

Cloud Base Inventory System

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*The candidates confirm that the work submitted is their own and appropriate credit has been given where reference has been made to work of others

Plagiarism Free Certificate

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Project Report

Cloud Base inventory system for local stores

Change Record

Author(s)	Version	Date	Notes	Supervisor's Signature

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Dedication

Every challenge needs selfless efforts as well as guidance of elders, especially those who are very close to our heart. We dedicate our hard work to our team and a special feeling of gratitude to our loving parents for their endless love, support and encouragement throughout our life. We would also like to appreciate the efforts of Mr. Jawad Ahmad and Mr. Usman Akbar, who helped us in every situation and made us eligible to complete this project.

Acknowledgements

We are thankful to our supervisor Mr. Jawad Ahmad and our co-supervisor Mr. Usman Akbar for their invaluable guidance, continuous encouragement and constant support in making this project possible. We appreciate their guidance from the initial to the final level that enabled us to develop an understanding of this project thoroughly. Without their advice and assistance, it would have been a lot tougher to complete this project.

Our sincere thanks to all of the lecturers and members of staff of the Department of Computer Science and Information Technology, who helped us in numerous ways and made our journey at Superior University pleasant and unforgettable.

Executive Summary

Now a day there have been a lot of technological advancement that have made the life of the people easier. As we can see that people are buying or offering different things from many different online websites while sitting at home. Similarly using these advancements our company is providing you an online shopping website from where we can purchase each and every kind of things without having any issues. We are providing you with the local store coverage in a cheap and easier way. We deliver happiness with innovative ideas.

In this document we have discussed about the problem that the people are facing now a days and also proposed solutions that how we are overcoming from them. We have also discussed about the scope of our project that what amenities we are providing. We have also shown a proper architectural design of our system that shows the major aspects. Then we have deliberated that on which tools we are working and how we are going to implement them on our website.

As we can see that the online shopping platform is vastly growing, as people have to waste a lot of time on surfing on different websites and have to pay a handsome amount of money on delivery charges. This creates problem for those people who likes to do online shopping and also there are no such website that provides the facilities for the people who can sold their all item in one hub

We have given our customers an easy and convenient way to shop from the comfort of their homes on a website that sells all of their favorite items from local stores nearby you. So, you don't need to go and look on each and every local store. We have given you a platform that will give you amazing discounts and they deliver all your products safely at your home.

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Chapter 1

Introduction

Chapter 1: Introduction

Each local store aims to create a unique point of sale. However, there are certain characteristics that are common to most local stores. But the main characteristic that we are entering in our website is that we are merging the entire Pakistanis different shops on a single platform that will ease you from surfing on different website.

The main objective of this local store website is to keep the viewer in the site enough time for him or her to see the product of all local stores and which are most selling. Some local stores don't have their inventory records when customer comes then they realize that they don't have that product in this way they can manage their inventory and update by time they need.

1.1. Background

Now days whole world is moving towards online market as we local market don't have such things; they maintain their records mostly hardcopy or orally they have huge amount of loan accounts of customers mostly they don't remember when customer come after long time

1.2. Motivations and Challenges

Now days whole world is moving towards online market. We are giving our customers and owners an easy and convenient way to shop from the comfort of their homes on a website that sells all of their items from their local stores nearby them. So, you don't need to go and look for each and every local store. We have given you a platform that will give you search anything from anywhere and we will give you guidance that your favorite item is that far from you

1.3. Goals and Objectives

- **Goal**

There are different guideline objectives of web-based shopping which are controlled by the end client.

- **Time and Energy efficiency**

It is efficient and vitality sparing. Customer can easily login to online website while sitting at home. So, by this we can state that it is time as vitality sparing.

- **Accessibility**

Individuals while sitting at one place can reach to number of things with different combinations and can arrange them and would get them at their door step.

- **Design**

The entire layout of the website is the most important aspect which consists of themes, banners, photographs, videos if any. The layout needs to be more organized and composed. So, in our website the design will be simple that is easy to understand and is user-friendly. Because the website that we are providing is a combination of many local stores clothing website so we will make the website simple and attractive

- **Implementation tools and technique**

In this competitive business world, it is of utmost importance for the business to be universal on all social media website ranging from Face book, Integral, twitter. However, this isn't just enough your website requires various marketing tools such as

- Newsletters
- Blog integration
- SMS notification
- Live chat

- **Product and packaging**

Another significant factor of our website is to ensure the product quality is superior and lives up to the customers' expectations. We will also ensure the product is delivered to customer safely by packaging the product in the right size of packages and with stamps in case of fragile materials.

- **Courier Services**

Lastly an efficient and hassle-free courier service is what the customers look forward to. We will deliver your product with the collaboration of top courier services that can deliver your glee with complete protection.

- **Customer support**

Some customers need help when completing a purchase on an online store. To overcome with that issue our website will provide you that facility. Whatever the reason that may hamper the visitor's progress from making a purchase, most customers would want to know that support is on hand if they require it.

- **Terms and conditions**

A terms and conditions page are a significant feature of any website as it can guard your website, your company and in some cases your customers in terms of liability for damages or losses incurred as a result of using your ecommerce website. Our website will be providing you with that feature as well.

Objective:

The principal target of Online Shopping Website is to give a path of purchasing online local stores clothes by instantly without any then intense medium. This Project has been intended to recreate the working of a genuine online shopping Store.

- To shop while in the comfort of your own home, without stepping out of the entrance.
- Provide a platform of all major local stores.
- Provide home conveyance free of cost.

1.4. Literature Review/Existing Solutions

Whole world is moving towards online market but our local market don't have such things to maintain their records through digital technology they maintain their record by hardcopy or orally. We can also support the local retailers.

1.5. Gap Analysis

Target Item	Current state	Future State	Improvement Steps
Software Requirement Specification	Requirements of User Interface are Complete.	Completing the System Requirement Specification to start Implementation.	We will make some changes after testing the software. Change only require when it needed.
Use case Analysis	Use case model is also complete.	Complete Use case model and Fully Dressed Use case to clearly define the path for design and implementation	If cases not go as our software requirements so we will improve or make Some changes.
System Design	Architecture diagram and use cases diagram and others are also completed.	Implementation will be started after testing of diagrams.	Design of the system will be improved and more changes are done if required.
Implementation	Working on front end and Prototype is almost completed	Software will be Complete.	Improve design and functionality with the instance.
Documentation and Project Testing	Documentation is almost completed but new increments will be included with time.	When documentation will be completed implementation will be start.	Setting up the errors and develop the project as per requirements.

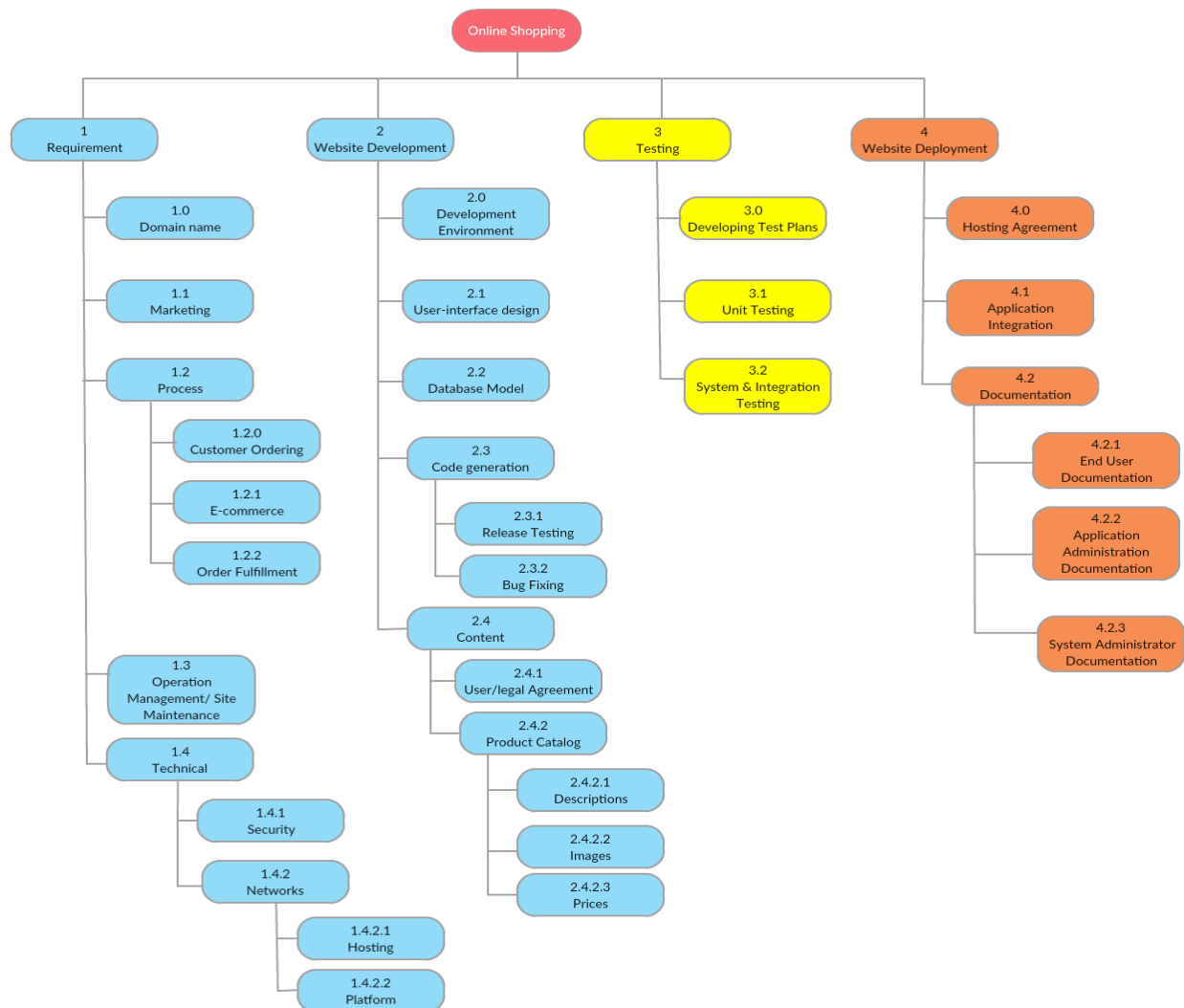
1.6. Proposed Solution

The solution of the problem is that we provide the platform that is easily accessible to the common people and provides the high security feature and feasible mode of payments and offers ubiquity to customer. All your needs can be conveniently and competitively fulfilled under the umbrella of our websites

1.7. Project Plan

It is a final year project and because of this we will use the Agile methodology of Software Engineering and get methodology for version Control.

1.7.1. Work Breakdown Structure



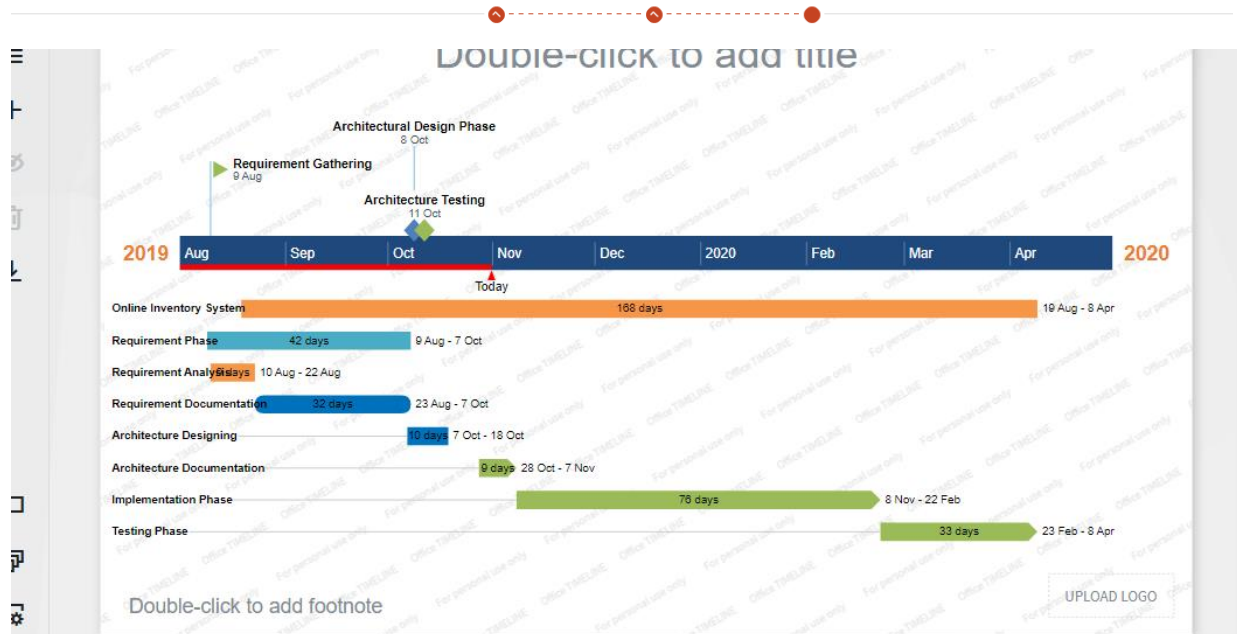
1.7.2. Roles & Responsibility Matrix

The purpose of roles & responsibility matrix is to identify who will do what.

WBS #	WBS Deliverable	Activity #	Activity to Complete the Deliverable	Duration (# of Days)	Responsible Team Member(s) & Role(s)
1	Training Session	PA-001	Take the trainings	40	Zainab Reebal
2	Requirements Gathering	PA-002	Done surveys of different brands	15	Zainab Reebal
3	Documentation	PA-003	Search and Read different FYP projects	30	Zainab
4	UI- Design	PA-004	Done surveys of different website	32	Muhammad Reebal Bin Akram
5	Development & Testing	PA-005	Check the systems with different process	30	Zainab Reebal
6	Maintenance	PA-006	Using agile methodology increment is done	12	Zainab Reebal

1.7.3. Gantt Chart

Architecture Documentation	Task	58\10\501e	03\11\501e	0
Architecture Testing	Milestone	1e\10\501e	1e\10\501e	0
Architecture Designing	Task	03\10\501e	18\10\501e	0
Architectural Design Phase	Milestone	03\10\501e	03\10\501e	0
Requirement Documentation	Task	33\08\501e	03\10\501e	0
Requirement Analysis	Task	10\08\501e	33\08\501e	0
Requirement Gathering	Milestone	0e\08\501e	0e\08\501e	0
Requirement Phase	Task	0e\08\501e	03\10\501e	0
Online Inventory System	Task	1e\05\80\er	08\04\5050	0
Description	Task			0
Title	Milestone	stah tra2	End date	Completed



1.7.4. Proposed Methodology

Agile methodology

Benefits of Implementing Agile Methodologies

During the project, end-user involvement is encouraged, providing visibility and transparency. There is continuous planning and feedback throughout the process, delivering value to the business from the beginning of the project.

Companies embrace this idea of delivering business value early in the process making it easier to lower risks associated with development. Some of the main benefits of agile project management are

High Product Quality

- Regular testing to see that the product is working during the development
- Defining and elaborating requirements just in time
- Incorporating continuous integration and daily testing into the development process
- Sprint retrospectives to continuously improve processes and work.

Reduced Risks

- Developing in sprints, ensuring a brief time between feature development
- Agile gives freedom when recent changes need to be implemented
- Adaptation to the client's needs and preferences through the development process

1.8. Report Outline

This report tells us about what the system is that we are trying to make.

- In Chapter 1 we have shown the goals and problems that the market is facing right now and also display the Gantt chart and work break down structure.
- Chapter 2 includes all the System requirements counting all type of explanation like product scope and operational environment.
- Chapter 3 and Chapter4 is all about the diagrams that elaborate all the aspects of the online clothing system.
- Chapter 5 tells the implementation tools and techniques that we are going to use for the implementation of our website.

Chapter 2

Software Requirement Specifications

Chapter 2: Software Requirement Specifications

2.1. Introduction

Each local store aims to create a unique point of sale. However, there are certain characteristics that are common to most local stores. But the main characteristic that we are entering in our website is that we are merging the entire Pakistanis different shops on a single platform that will ease you from surfing on different website.

The main objective of this local store website is to keep the viewer in the site enough time for him or her to see the product of all local stores and which are most selling. Some local stores don't have their inventory records when customer comes then they realize that they don't have that product in this way they can manage their inventory and update by time they need

2.1.1. Purpose

The purpose of this site is consumer directly buy the all types of items form the different local stores in Pakistan. Consumer easily search any type of product only in one website they don't visits different website again and again.

2.1.2. Document Conventions

Standard rule of documentation has been followed in the order of standardized the work. In order to create efficient **[Cloud Base inventory system for local stores Website]** in the building of online shopping.

2.1.3. Intended Audience and Reading Suggestions

This report is for individuals like engineer, client, database staff designer, developers, project managers, and marketing staff, users, testers, and documentation writers. Whereas the rest of the document tells us about what are the things that we want to add in our website and how it will present its basic ideas.

2.1.4. Product Scope

This product has great future scope. Local stores is online shopping store where user easily search product and purchase sit in the front of computer and received at doorstep.

The purpose scope is to present an efficient, reliable online shopping and deliver the product safely and securely.

2.1.5. References

- IEEE 830-1998 standard for writing SRS document.
- I Sommerville, Software Engineering, 8th edition, Addison- Wesley, 2007.
- Sommerville, Software Engineering, 10th edition.

2.2. Requirement Gathering

2.2.1. Technique selected

Questionnaires:

- What features would you like to see added to our site?
- Would a coupon entice you to purchase from us?
- How satisfied have you been with previous purchases?
- How often do you visit the site?
- How likely are you to recommend this site to others?
- How did you first hear about this site

Interviews:

Text based?

Yes.

Publicly Available data?

Mostly no

Observations:

- C2C E-Commerce Offers More Mature Ad Products and Data Analytics Than B2C Channels.
- E-Commerce Channels Do NOT Consider Themselves Media
- Brands Are Increasingly Using E-Commerce as an Awareness Channel With Direct Linkage to Offtake.

2.2.2. Reason of Selection

We have chosen these Requirement Gathering Techniques as these techniques result in collecting complete information with greater understanding. These allow more control over the order and flow of questions. Since interviews are more personal, they allow us to have higher response rates therefore interviews are used also. We can introduce necessary changes in the interview schedule based on initial results. Questionnaires are also used since they allow collection of both subjective and objective data in a large sample of the study population in order to obtain results that are statistically significant, especially when resources are limited.

2.2.3. User Classes and Characteristics

There are 2 kind of client of this product

- **Overall population**

Cloud base inventory system is one of the general websites for all the classes their cost and amount accessible. Consumer can easily purchase the item and order.

- **Administrator**

Administrator can see the all clients who have to purchase from this website and can easily handle all situation of client who are in trouble.

2.2.4. Operating Environment

- Operating Environment Win 8/10
- Language are used PHP and Laravel
- Database SQL Server

2.2.5. Design and Implementation Constraints

- Client details save into a database
- The cloud base inventory system is running 24 hours per day.
- Users must have their rights username and password to go into online records and do activities
- User may have access from anywhere where internet has accessible.

2.2.6. User Documentation

User must know details of our product, how to use it and how to purchase product. User use internet to order product or need friendly environment

2.2.7. Assumptions and Dependencies

- It is assumed that the requirements are in its completion phase.
- It is assumed that user is used to the internet browser
- It is assumed that user is familiar with mouse and keyboard use
- It is assumed that user has decent internet connectivity.

2.3. External Interface Requirements (For Networking)

2.3.1. User Interfaces

GUL of Screen

- **Login:** User have to write the username and secret password
- **Search:** User enter any kind of product he is looking for and that he can order for the required product by entering the name of the item.
- **Category View:** User can easily find the category which he is looking for, all product show on the front screen with price.
- **Add Product to Cart:** User can add product into the cart which he want to order.
- **Delete Product from Cart:** User also delete the selecting product from the cart.

- **Payment method:** User select the payment method (cash on delivery)

2.3.2. Hardware Interfaces (if hardware included)

- Processor core 2 duo 4 processor
- Hard drive 500GB
- Ram 1 GB RAM
- Keyboard
- Mouse
- LCD.

2.3.3. Software Interfaces

- Software required are the requirements which are required for creating the website and which software the project is been made up.
- Language: HTML, CSS, JAVASCRIPT, PHP
- Software: Dream viewer notepad++

2.3.4. Communications Interfaces

Communication interface are the interfaces through which user and product are connected with each other.

- Fax
- Mobile phone
- Email
- Live call



2.4. Functional Requirement

The features that are used in or website are also mentioned above but all the working of this is now going to explained below:

2.4.1. System Feature 1

Functional Requirement 1 (Registration Function)

Identifiers	FR-001
Title	Allows register access online
Requirement	Username, Email, Password, Address, Phone
Rational	Register to the system and provide security to personal information.
Restriction and risk	User must enter accurate information
Dependency	Pc , Connection with server
Priority	Safety ,timing

2.4.1.1. Functional Requirements

The functional Requirements of this are explained by the table here we have given a brief description of this system feature. So in this the user needs to enter all the data to register him or her selves if they want to purchase anything from our website. All the information, user enter must be valid and accurate.

2.4.2. System Feature 2

Functional Requirement 2 (Login Function)

Identifiers	FR-002
Title	Allows Login access online
Requirement	Username, password,
Rational	Login to the system and provide security to personal information.
Restriction and risk	User name and password must be correct Otherwise users can't login .
Dependency	Pc , Connection with server
Priority	Safety ,timing

2.4.2.1. Functional Requirements

This system feature is for login and in this the user needs to enter the correct data for login. User must have an account when he tries to login. User can also use the system without registering his self.

2.4.3. System Feature 3

Functional Requirement 3 (Search Item Function)

Identifiers	FR-003
Title	Allows user to search and view items.
Requirement	None
Rational	The user can search and view the data and the profile.
Restriction and risk	The data must be entered correctly.
Dependency	Pc , Connection with server
Priority	Safety ,timing

2.4.3.1. Functional Requirements

This system feature is to allow the user to search the website according to its perspective. The user can view all the description and other details of it.

2.4.4. System Feature 4

Functional Requirement 4 (View / Edit Profile Function)

Identifiers	FR-004
Title	Allows user to edit and view profile.
Requirement	Username, password, email etc.
Rational	The user can update the data and can view it.
Restriction and risk	User name and password must be correct While updating it
Dependency	Pc , Connection with server
Priority	Safety ,timing

2.4.4.1. Functional Requirements

This system feature is for viewing and editing the user profile. User must have an account which he tries to edit. User can also use the system without registering his self.

2.4.5. System Feature 5

Functional Requirement 5 (Select item Function)

Identifiers	FR-005
Title	Add a item to user account
Requirement	product type, name ,image, prize
Rational	User must add item in cart
Restriction and risk	The data must be entered properly
Dependency	Valid information

Priority	Item should add in user account.
-----------------	----------------------------------

2.4.5.1. Functional Requirements

In this the customer can select item from the system and then add the product into the cart. The user can select the product from any brands that are the website and then can confirm order.

2.4.6. System Feature 6

Functional Requirement 6 (View item Function)

Identifiers	FR-006
Title	Allows Login access online
Requirement	Product name ,product sale prize
Rational	Login to the system and provide security to personal information.
Restriction and risk	User name and password must be correct Otherwise users can't login .
Dependency	Pc , Connection with server
Priority	Safety ,timing

2.4.6.1. Functional Requirements

This system feature is for login and in this the user needs to enter the correct data for login. User must have an account when he tries to login. User can also use the system without registering his self.

2.4.7. System Feature 7

Functional Requirement 7 (View Details Function)

Identifiers	FR-007
Title	Allows customer to view details
Requirement	User login and then view detail of item
Rational	Login to the system and view detail
Restriction and risk	User must login to check the detail Otherwise detail doesn't show.
Dependency	Pc , Connection with server
Priority	Safety ,timing

2.4.7.1. Functional Requirements

This requirement is all about to view the details of the products its price , its quality and other things. The user will easily view all the details after logging.

2.4.8. System Feature 8

Functional Requirement 8 (View Order Function)

Identifiers	FR-008
Title	Access to view order on schedule
Requirement	Address, product type, date
Rational	User has ability to View order which have Place.
Restriction and risk	User must login to view order detail.
Dependency	Valid information
Priority	View order detail

2.4.8.1. Functional Requirements

This requirement is all about to view the products its price , its quality and other things. The Product will be shown by the name of the brand from which the customer is purchasing. The user will easily view all the details after logging.

2.4.9. System Feature 9

Functional Requirement 9 (Add Category Function)

Identifiers	FR-009
Title	Allow admin to add category.
Requirement	Category id , category name.
Rational	Allow admin to add item into cart easily.
Restriction and risk	None
Dependency	None
Priority	None

2.4.9.1. Functional Requirements

This functionality defines that after login admin can add categories like clothes accessories. All of these items are entered in the cart including their quantity and prices.

2.4.10. System Feature 10

Functional Requirement 10 (Edit Category Function)

Identifiers	FR-010
Title	Allow admin to edit categories.
Requirement	Category id , category name.
Rational	Allow admin to edit item category.
Restriction and risk	None

Dependency	User must enter the category first.
Priority	None

2.4.10.1. Functional Requirements

In this the admin can easily edit the categories that he added and can change the details of it.

2.4.11. System Feature 11

Functional Requirement 11 (Place order Function)

Identifiers	FR-0011
Title	<i>Access to place order on schedule</i>
Requirement	City name, item type, date
Rational	User has ability to place order to the Available item.
Restriction and risk	Current item, the available item or current Timing must be adjusted.
Dependency	Valid information, available item is valid
Priority	Modified in order.

2.4.11.1. Functional Requirements

User has ability to place order of the available item and the

2.4.12. System Feature 12

Functional Requirement 12 (Cancel Order Function)

Identifiers	FR-012
Title	Access to Cancel order on schedule
Requirement	Order in cart
Rational	The order will be cancelled
Restriction and risk	Current item, the available item or current Timing must be adjusted.
Dependency	Valid information, available item is valid.
Priority	Modified in order

2.4.12.1. Functional Requirements

The customer can cancel its order whenever he wants. All the data that he entered in the cart will be removed and the customer can place new order whenever he wants.

2.4.13. System Feature 13

Functional Requirement 13 (Add to cart Function)

Identifiers	FR-013
Title	Allow user to add item to cart.
Requirement	Types of item, item no , item name
Rational	Allow user to add item into cart easily.
Restriction and risk	None
Dependency	None
Priority	None

2.4.13.1. Functional Requirements

This functionality defines that after login user can add item like clothes accessories. All of these items are entered in the cart including their quantity and prices.

2.4.14. System Feature 14

Functional Requirement 14 (Edit cart Function)

Identifiers	FR-014
Title	Allow user to edit item in cart.
Requirement	Types of item, item no , item name
Rational	Allow user to edit item into cart easily.
Restriction and risk	None
Dependency	None
Priority	None

2.4.14.1. Functional Requirements

This functionality defines that after login user can add item like clothes accessories. All of these items are entered in the cart including their quantity and prices and after that the customer can easily edit the cart easily.

2.4.15. System Feature 15

Functional Requirement 15 (Cost Calculation Function)

Identifiers	FR-015
Title	Allow user to add item to cart and cost calculations module shows.
Requirement	Types of item, item no , item name, Total Cost

Rational	Allow user to add item into cart easily and cost module occur in front of the user's Screen.
Restriction and risk	None
Dependency	None
Priority	None

2.4.15.1. Functional Requirements

This function states the total cost of the products that the customer have entered in the cart and display the out with the total amount.

2.4.16. System Feature 16

Functional Requirement 16 (Payment Method Function)

Identifiers	FR-016
Title	Allow user Cash on delivery.
Requirement	User must login user address
Rational	None
Dependency	Pc, Connection with server
Priority	Safety, timing

2.4.16.1. Functional Requirements

In this system requirement the user can select the method of payment from the website after placing the order and all the data that the user entered will depend upon the payment method.

2.4.17. System Feature 17

Functional Requirement 17 (Logout Function)

Identifiers	FR-0017
Title	Allows Logout access online
Requirement	None
Rational	Logout to the system and provide security to personal information.
Restriction and risk	User must login
Dependency	Pc, Connection with server
Priority	Safety, timing

2.4.17.1. Functional Requirements

The users can logout from the account whenever he wants. The customer can't place the order after logging us from the account. Even after logging out the user get notify about all the updates of the website.

2.5. Other Nonfunctional Requirements

2.5.1. Performance Requirements

- System should be available all the time for customers.
- Application should be able to support 100 concurrent users without any performance degradation
- To get best speed, should best internet to server
- System should not be slow on having load on site.

2.5.2. Safety Requirements

- System should have a backup database
- Once admin delete products adds or product categories or user account the data of that product add can't be retrieve. To handle this problem system gives warning before delete the product.
- Safety disclaimers will be given for both render and customer.
- Administrator should always be alerted due to which no one will be able to hack website.

2.5.3. Security Requirements

- The web application must be secured from intruders.
- It should have login /password.
- The strong authentication tools are used by protection.
- The cloud will be used to ensure confidentiality of customers and credit card and other details.

2.5.4. Software Quality Attributes

- **Reliability**
System should be reliable so that client can give their personal information and booked the order.
- **Robustness**
Fast recovery from downfall.
- **Correctness**
System should always update the data and correct the new price whenever offer season are came.
- **Probability**
Client can sign in to the framework whenever.
- **Quality record**
Record can be managed in different way, by year, by alphabets and many more ways.

- **Availability**

System should be available all the 24 hours so that it could not be have any difficulty booked the order.

2.5.5. Business Rules

- Administrator has the full authorized of controlling the framework.
- User has authorization to buy request or view detail of the item.

2.6. Other Requirements

The requirements that we want to enter in the system are defined below:

- **Technical:** The system will have no technical issue and the information of the customer should be saved in the server with precautionary measures.
- **Scalability Requirements:** The system able to scale up to 500 concurrent users (if there is a need in the future) by installing additional hardware components.
- **Economic:** Cost will be reasonable
- **Specification:** This web base Application is for Windows Users. Web Application would be free of cost.
- **Maintainability:** The system is developed in such a way that changes can be made easily, whether for bug fixes or to add new functionality.

The system would be easy enough to maintain that someone else could do it with a manual and a few hours training.

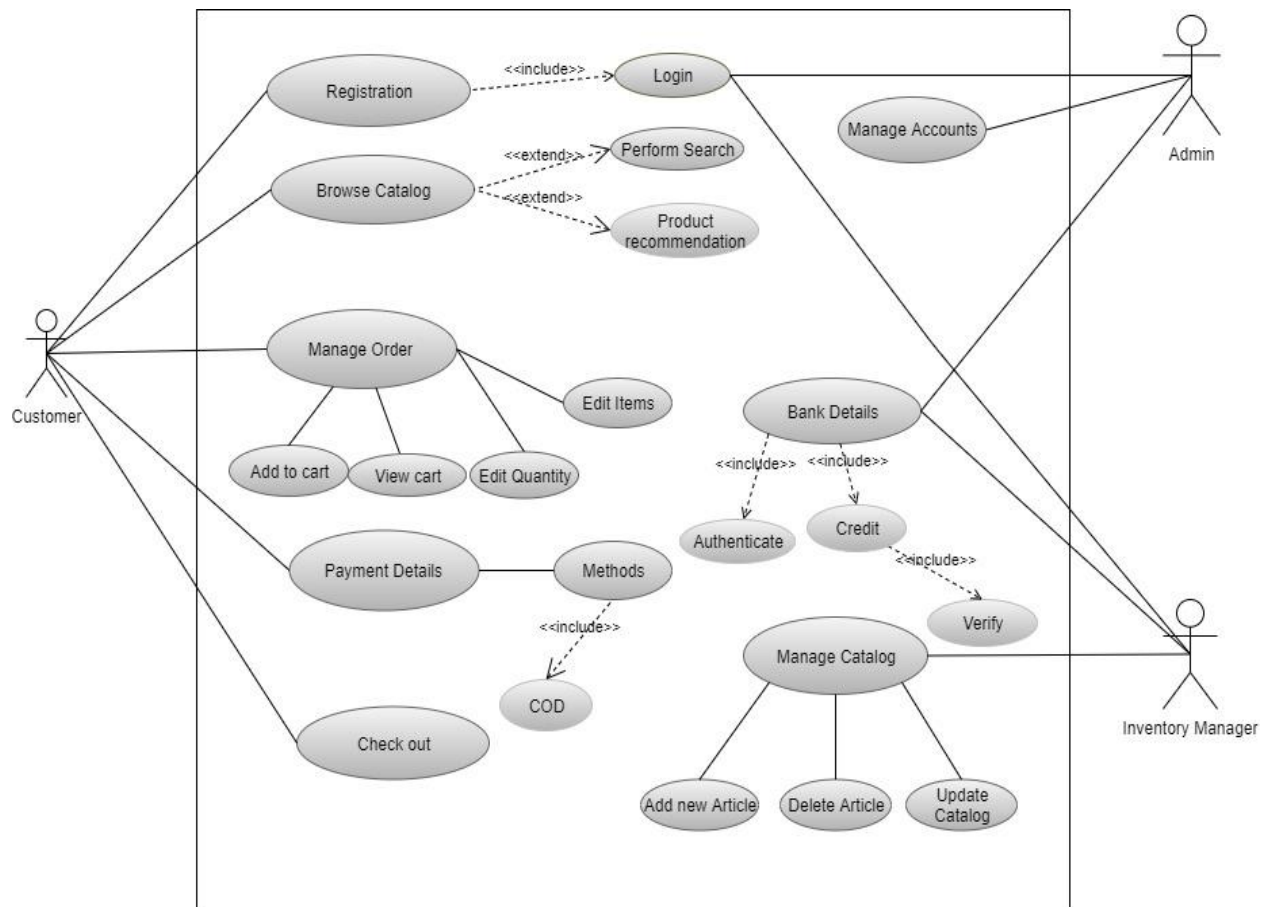
Chapter 3

Use Case Analysis

Chapter 3: System Analysis

This outline is bound with changing the shopping from manual to on the web. Client can easily purchase items online after login to the webpage. Admin will manage all the inventory managers that will add items in the database. The items are delivered to client address that he has given. Admin can see day-by-day offer and refresh the status. Both admin and client needs to login for performing their tasks.

3.1. Use Case Model



3.2. Fully Dressed Use Cases

Use Case	Registration
Name	
Purpose	To keep the details of the new user for the website.
Description	Admin will see the complete list of details of the customer.
Primary Actors	Customer
Stake Holders	Admin
Pre- Conditions	None
Post- Conditions	The customer will be registered.
Main Success Scenario	- The customer will enter all the details and get registered to buy different products and can get details about the product and delivery. - Customer can update their profile whenever they want.
Alternative Scenarios	If the system is down an error message will be displayed.
Assumptions	Customers know how to use the system.

Use Case	Browse Catalog
Name	
Purpose	To see the different products of different clothing Brands.
Description	Customer will see the complete list of products of the different brands.
Primary Actors	Customer
Stake Holders	Admin
Pre- Conditions	Customer needs to be logged in or register.

Post-Conditions	The customer will select any kind of clothes from any kind of brand.
Main Success Scenario	• The customer can browse different kind of products after registration. • Customer can add the products to cart while browsing.
Alternative Scenarios	• If the system is down an error message will be displayed.
Assumptions	Customers know how to use the system.

Use Case	Manage Order
Name	
Purpose	To see the different products of different clothes of different clothing Brands.
Description	Customer can manage the list of products from cart.
Primary Actors	Customer
Stake Holders	Admin
Pre- Conditions	Customer needs to add items into the cart.
Post-Conditions	The customer can confirm the order.
Main Success Scenario	• The customer can add item, edit quantity, view cart and delete item.
Alternative Scenarios	• The customer will confirm the order. • If the system is down an error message will be displayed.
Assumptions	Customers know how to use the system.

Use Case	Payment & Shipping Details
Name	
Purpose	How customer wants to do the payment and give the resources of shipping.
Description	Customer will select the method for payment and give details of delivering the product.
Primary Actors	Customer
Stake Holders	Admin
Pre- Conditions	Customer needs to add items into the cart.
Post- Conditions	The product will be delivered to the customer with the method that he selected.
Main Success Scenario	• The customer has given us all the original values for shipping.] • The method that he selected was one of our types.
Alternative Scenarios	• The product will not be delivered to the required customer while he or she has confirmed the order. • If the system is down an error message will be displayed.
Assumptions	Customers know how to use the system.

Use Case	Bank Details
Name	
Purpose	To authenticate that the methods that customer wants to use are valid and original.
Description	The admin and bank will authenticate and verify the account.
Primary Actors	Customer & Admin
Stake Holders	Admin
Pre- Conditions	Customer has to place the order and has to complete the shopping.
Post- Conditions	Order will be placed.

Main Success Scenario	- The details of the customer are valid and original. - The payment is successfully transferred in the bank account.
Alternative Scenarios	The system will give an error message and the user needs to select the different method for payment.
Assumptions	Customers know how to use the system.

Use Case	Manage Catalog
Name	Manage Catalog
Purpose	To add, update or delete new category from the data.
Description	Admin can manage the list of products from cart.
Primary Actors	Admin
Stake Holders	Customer
Pre- Conditions	Admin needs to add items into the cart.
Post- Conditions	The Admin can update the category.
Main Success Scenario	The admin can add item, edit quantity, view catalog and delete item.
Alternative Scenarios	- The admin will see the list and items. - If the system is down an error message will be displayed.
Assumptions	Admin know how to use the system.

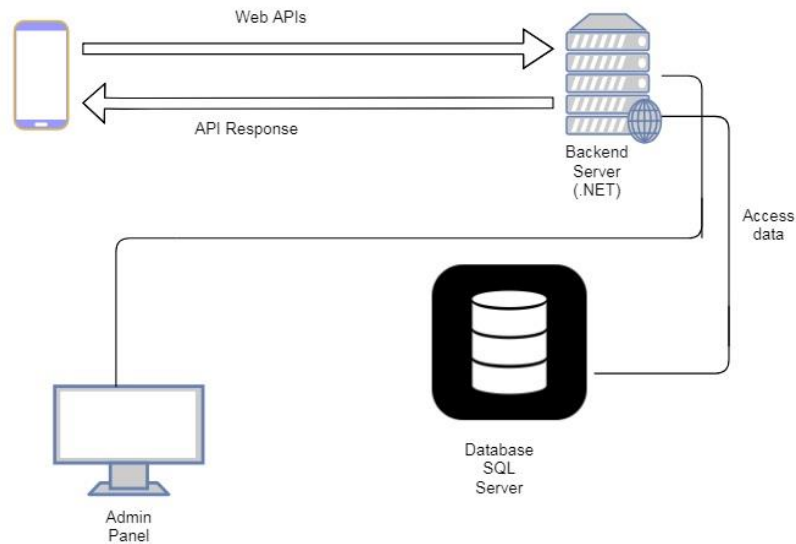
Use Case	Check out
Name	Check out
Purpose	Which methods customer wants to use form payment method and give shipping details.
Description	Customer can manage the list of products from cart.
Primary Actors	Customer
Stake Holders	Admin
Pre- Conditions	Customer has placed the order and has done the shopping.
Post- Conditions	None
Main Success Scenario	• The Customer will logout from their account conveniently.
Alternative Scenarios	• The customer will search for more products to place additional order. • If the system is down an error message will be displayed.
Assumptions	Customers know how to use the system.

Chapter 4

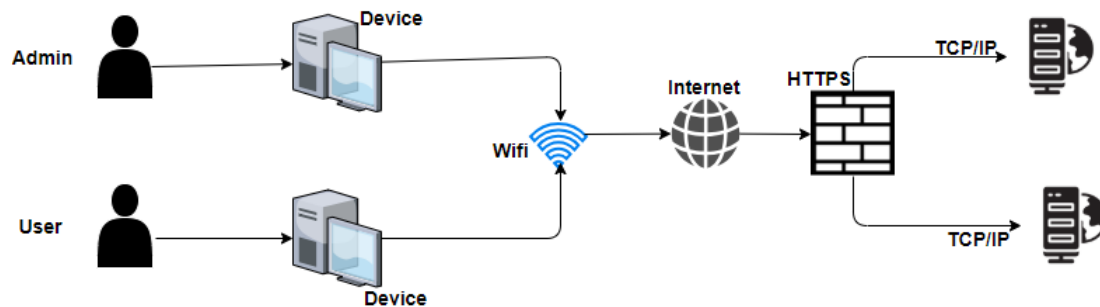
System Design

Chapter 4: System Design

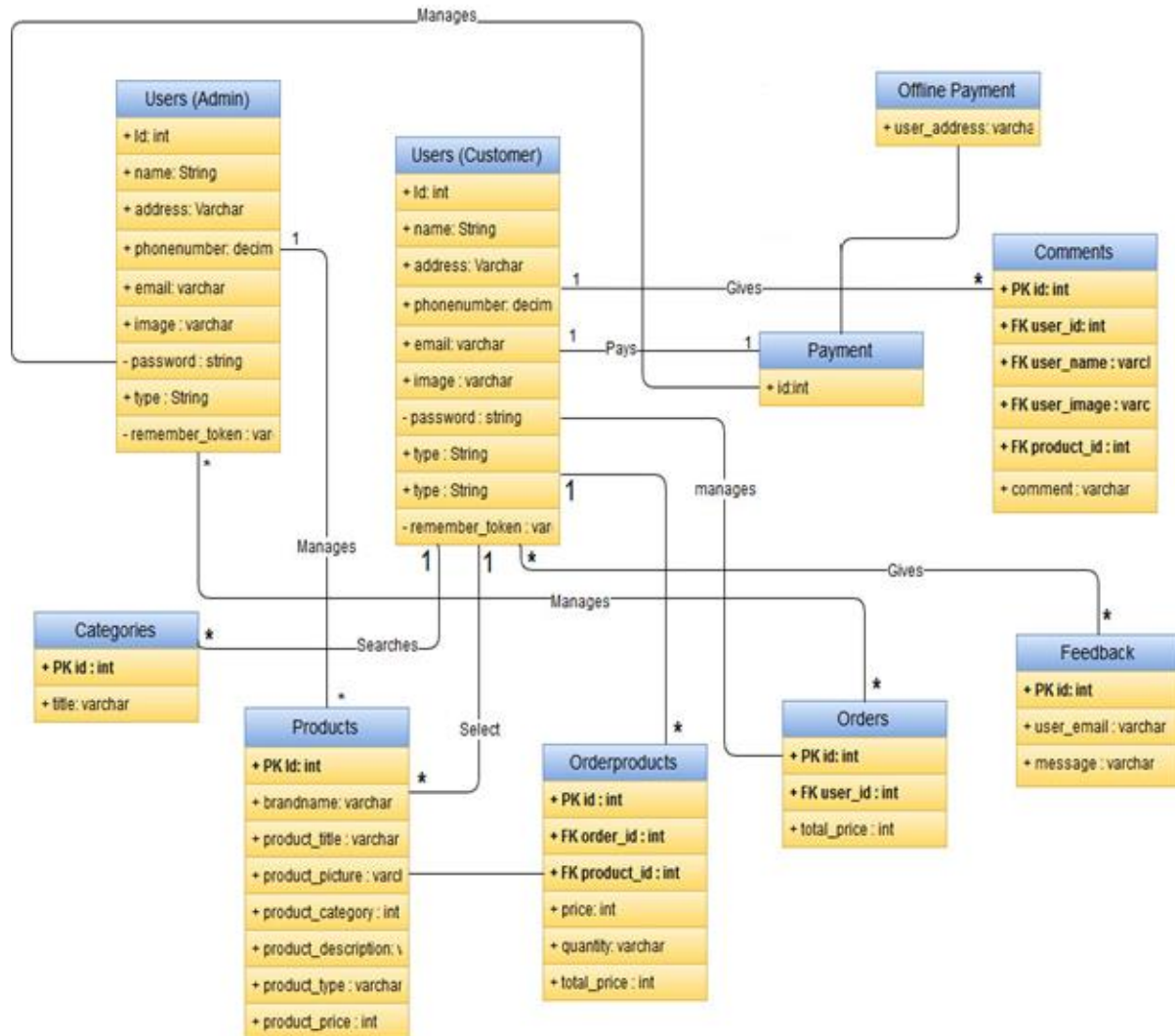
The cloud base inventory system is an online website server. The web program is the UI for the frame. The web program speaks with the server utilizing HTTP as transport convention. Web program sends messages to the server and the server react to web in and the web program display the data to the client. WIFI or Ethernet is utilized and it needs for the working of system. MySQL Database is used for the storage of the clients' information.



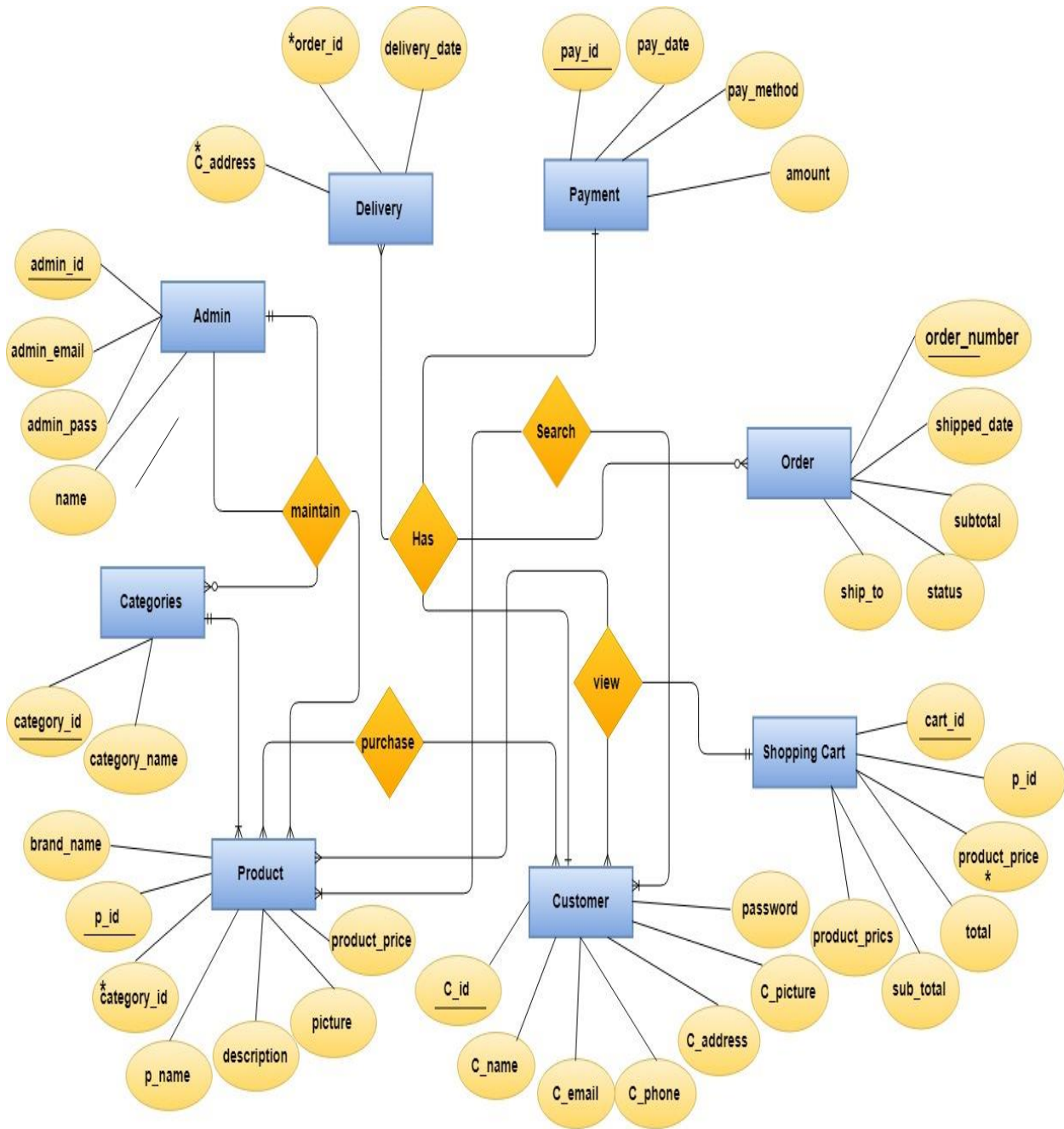
4.1. Architecture Diagram



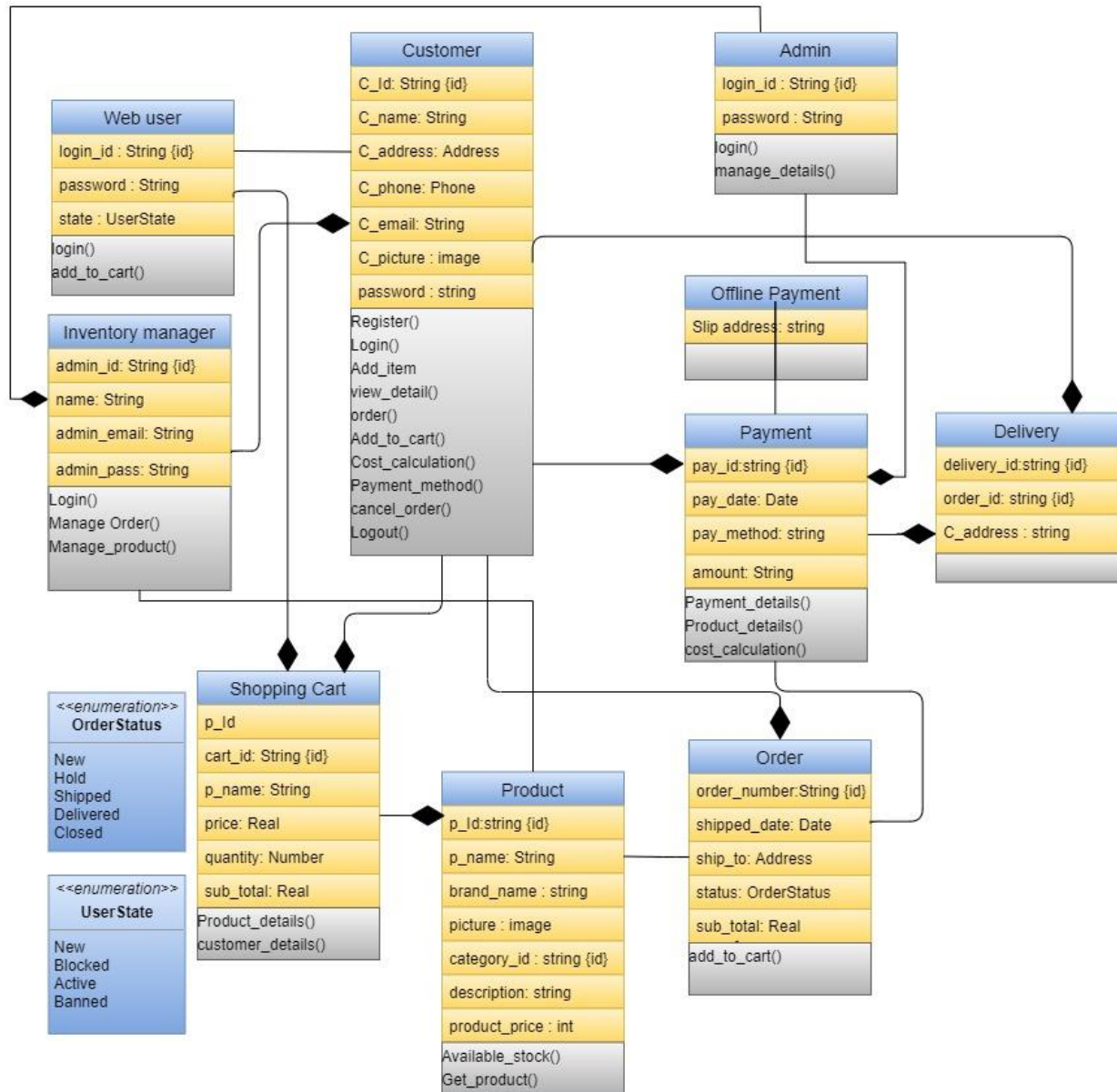
4.2. Domain Model



4.3. Entity Relationship Diagram with data dictionary

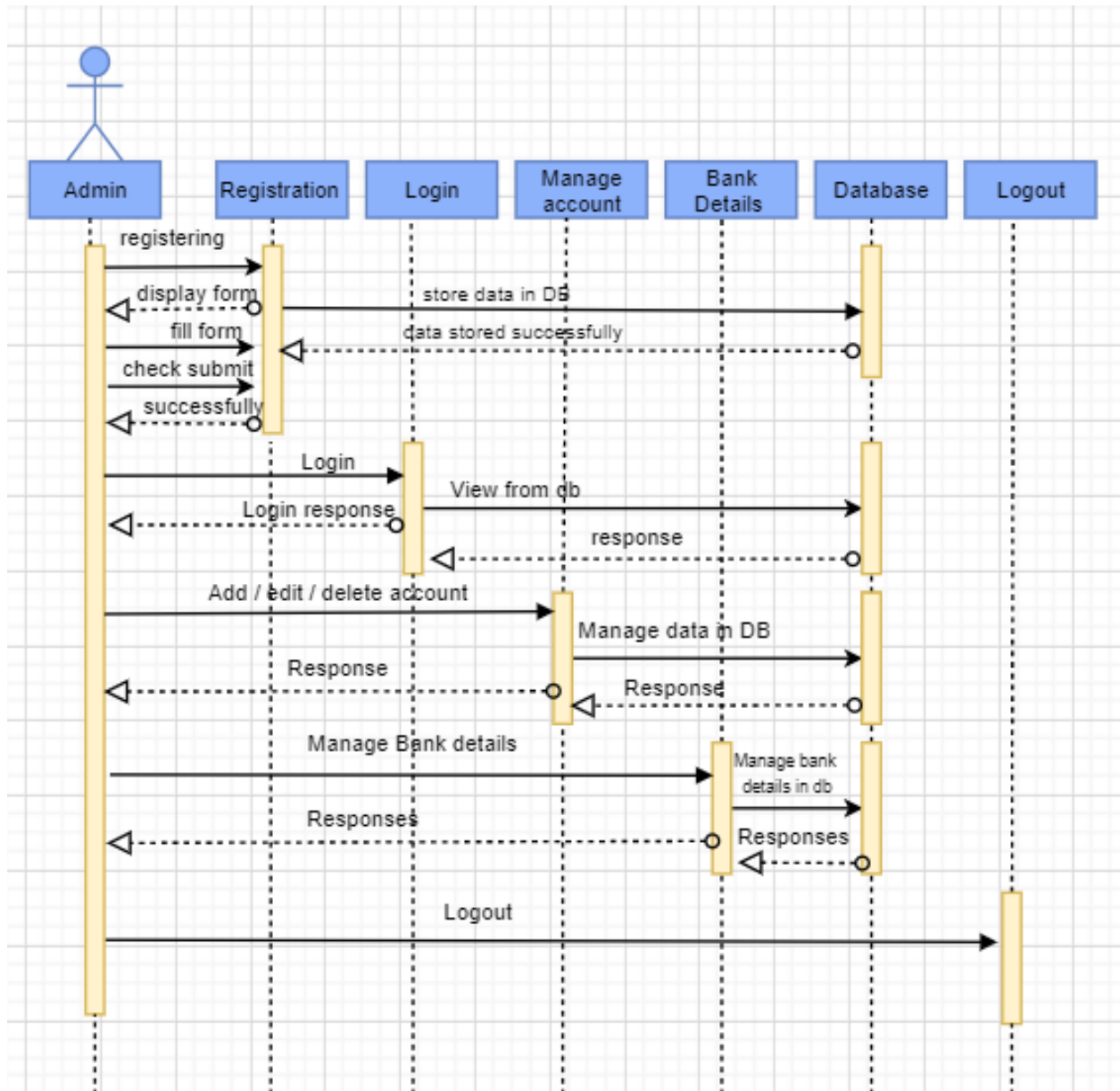


4.4. Class Diagram

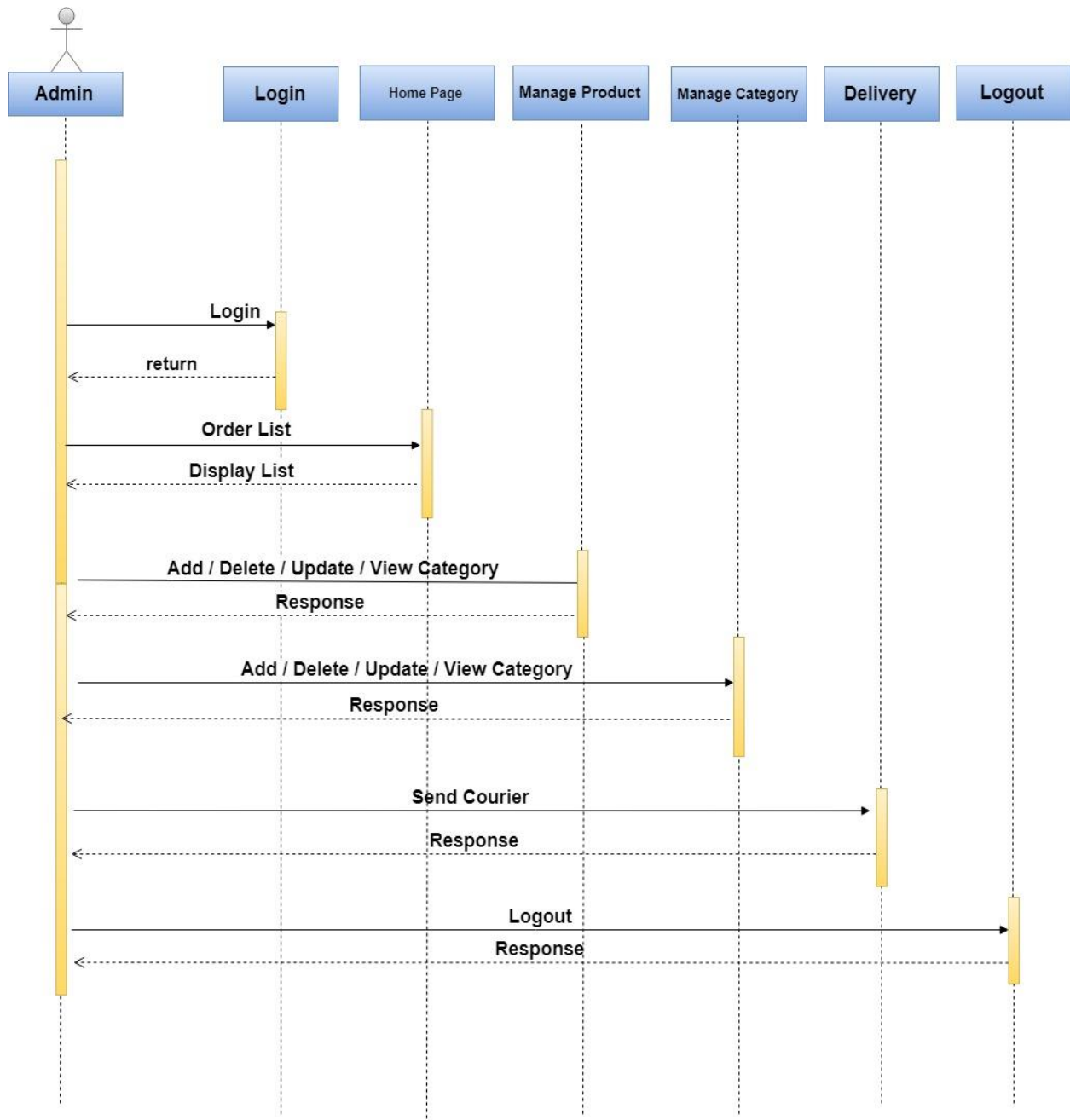


4.5. Sequence / Collaboration Diagram

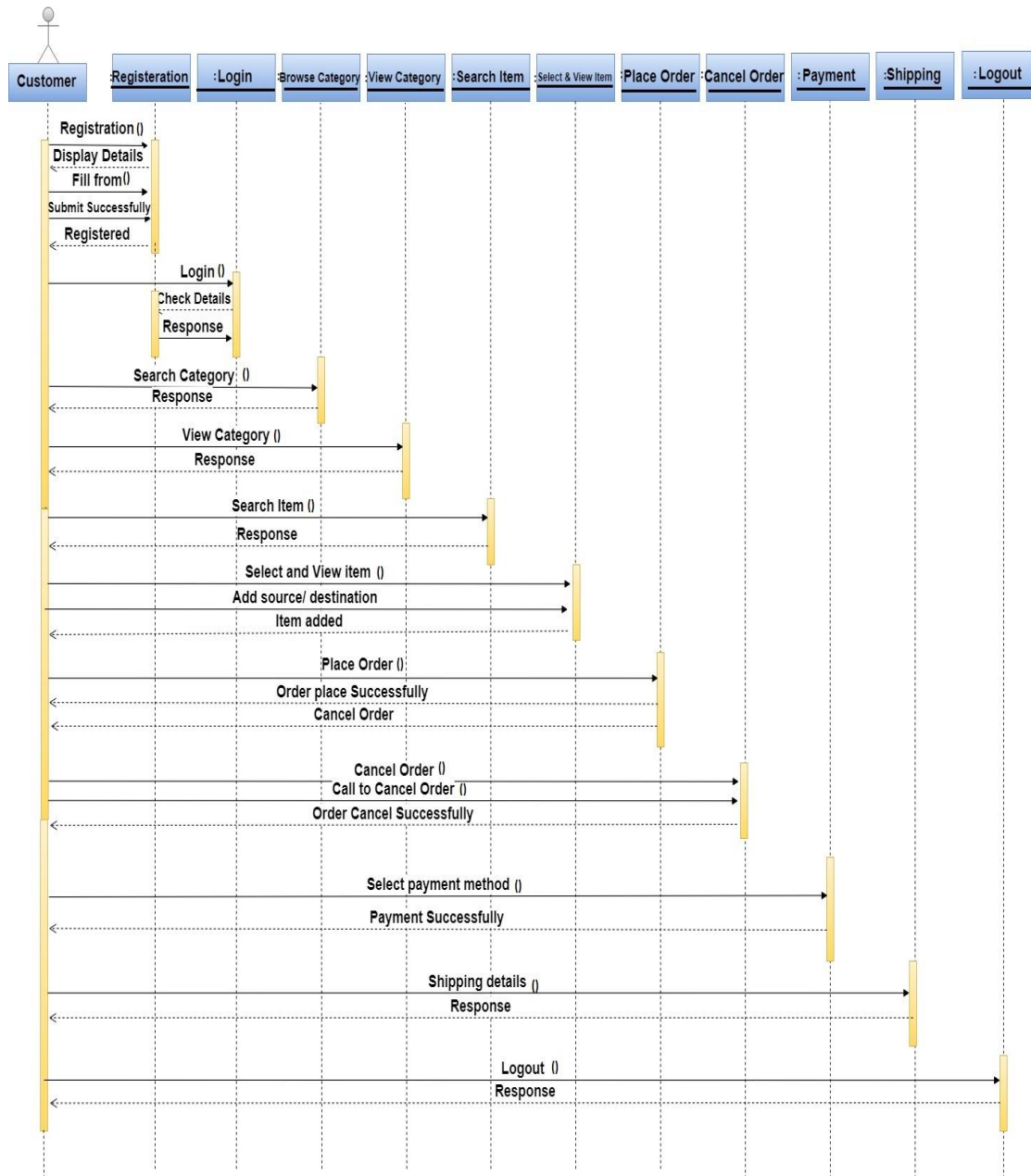
Admin



Inventory Manager



Customer



4.6. Operation contracts

4.6.1 Operation Contract#1

Name: Register.

Responsibilities: To register the new user.

Cross References: Use case: Register.

Exceptions: None.

Preconditions: Registration form will open and user must enter valid information.

Post conditions: Home Page displayed

4.6.2 Operation Contract#2

Name: Log in.

Responsibilities: A user is logged in.

Cross References: Use Case: log In.

Exceptions: invalid user name or password.

Preconditions: user should have account.

Post conditions: Successfully logged in.

4.6.3 Operation Contract#3

Name: Browse Category.

Responsibilities: User must Search any category or brands.

Cross References: Use Case: Browse Category.

Exceptions: None.

Preconditions: user should have account.

Post conditions: Browse successfully

4.6.4 Operation Contract#4

Name: Perform Search.

Responsibilities: User must Search for items.

Cross References: Use Case: Perform search.

Exceptions: None.

Preconditions: User must login.

Post conditions: Search item successfully.

4.6.5 Operation Contract#5

Name: Select item

Responsibilities: User must login and select item.

Cross References: Use Case: Select item.

Exceptions: None.

Preconditions: Must be logged in.

Post conditions: Select item successfully.

4.6.6 Operation Contract#6

Name: View detail.

Responsibilities: User must View detail of the product.

Cross References: Use Case: View Detail.

Exceptions: None.

Preconditions: User must login.

Post conditions: View detail successfully.

4.6.7 Operation Contract#7

Name: Place order.

Responsibilities: User must Place order of the selected product.

Cross References: Use Case: Place order.

Exceptions: None.

Preconditions: User must login.

Post conditions: View place order successfully.

4.6.8 Operation Contract#8

Name: View order.

Responsibilities: User should View order, which he place.

Cross References: Use Case: View order.

Exceptions: None.

Preconditions: User must login.

Post conditions: **View** order successfully.

4.6.9 Operation Contract#9

Name: Add to cart.

Responsibilities: User will select the product and add it to the cart.

Cross References: Use Case: Add to cart.

Exceptions: None.

Preconditions: User must login.

Post conditions: Add to cart successfully.

4.6.10 Operation Contract#10

Name: Cancel order.

Responsibilities: User can cancel order of the product, which he placed.

Cross References: Use Case: Cancel order.

Exceptions: None.

Preconditions: User must login.

Post conditions: Cancel order successfully.

4.6.11 Operation Contract#11

Name: Cost calculation.

Responsibilities: User must select the product and cost will display.

Cross References: Use Case: Cost calculation.

Exceptions: None.

Preconditions: User must login.

Post conditions: Cost calculation successfully.

4.6.12 Operation Contract#12

Name: Payment.

Responsibilities: User must select payment method after placing the order.

Cross References: Use Case: Cancel order.

Exceptions: None.

Preconditions: User must login.

Post conditions: Cancel order successfully.

4.6.13 Operation Contract#13

Name: Check out.

Responsibilities: user is logged out.

Cross References: Use Case: Check out.

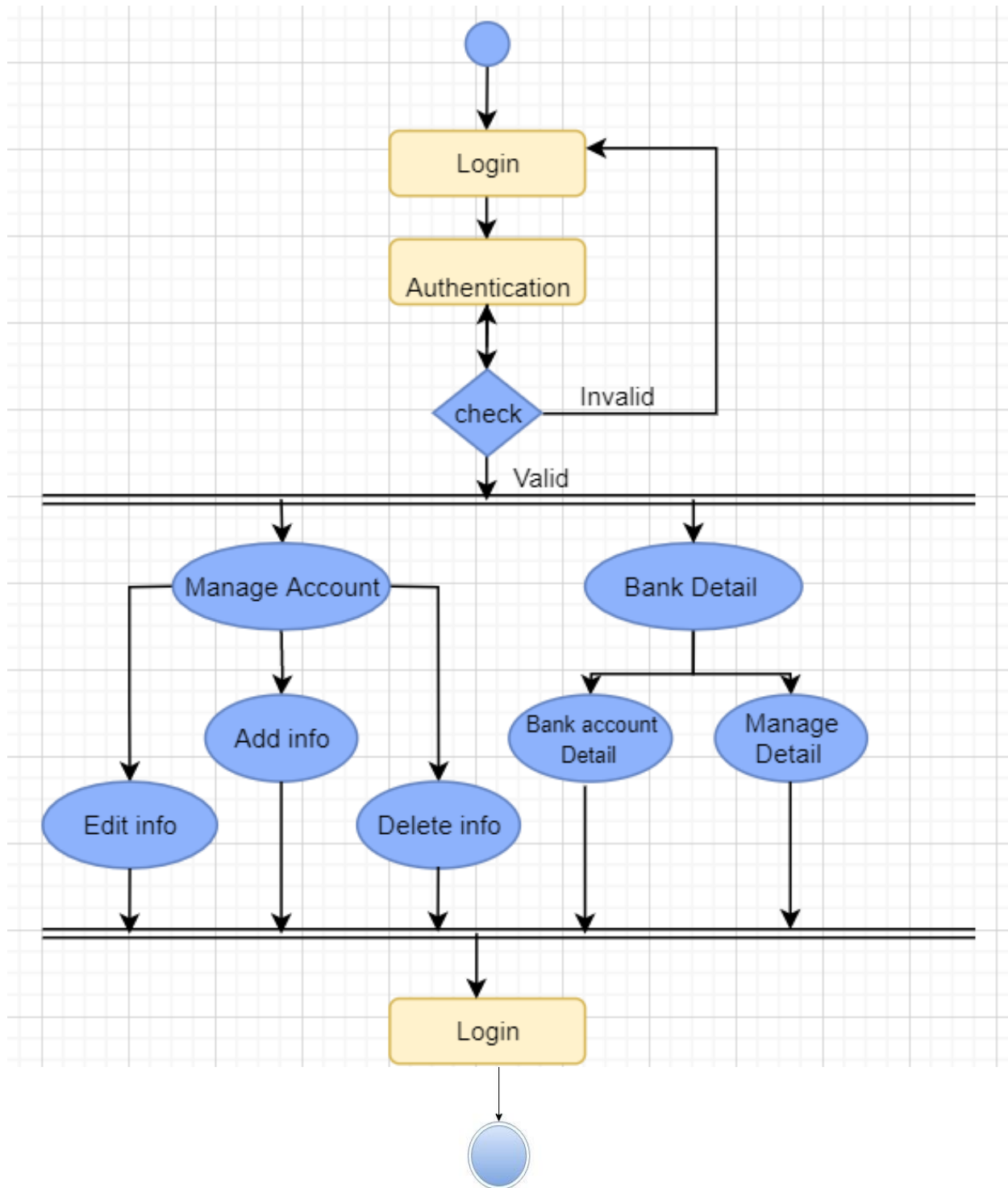
Exceptions: None.

Preconditions: should be logged in.

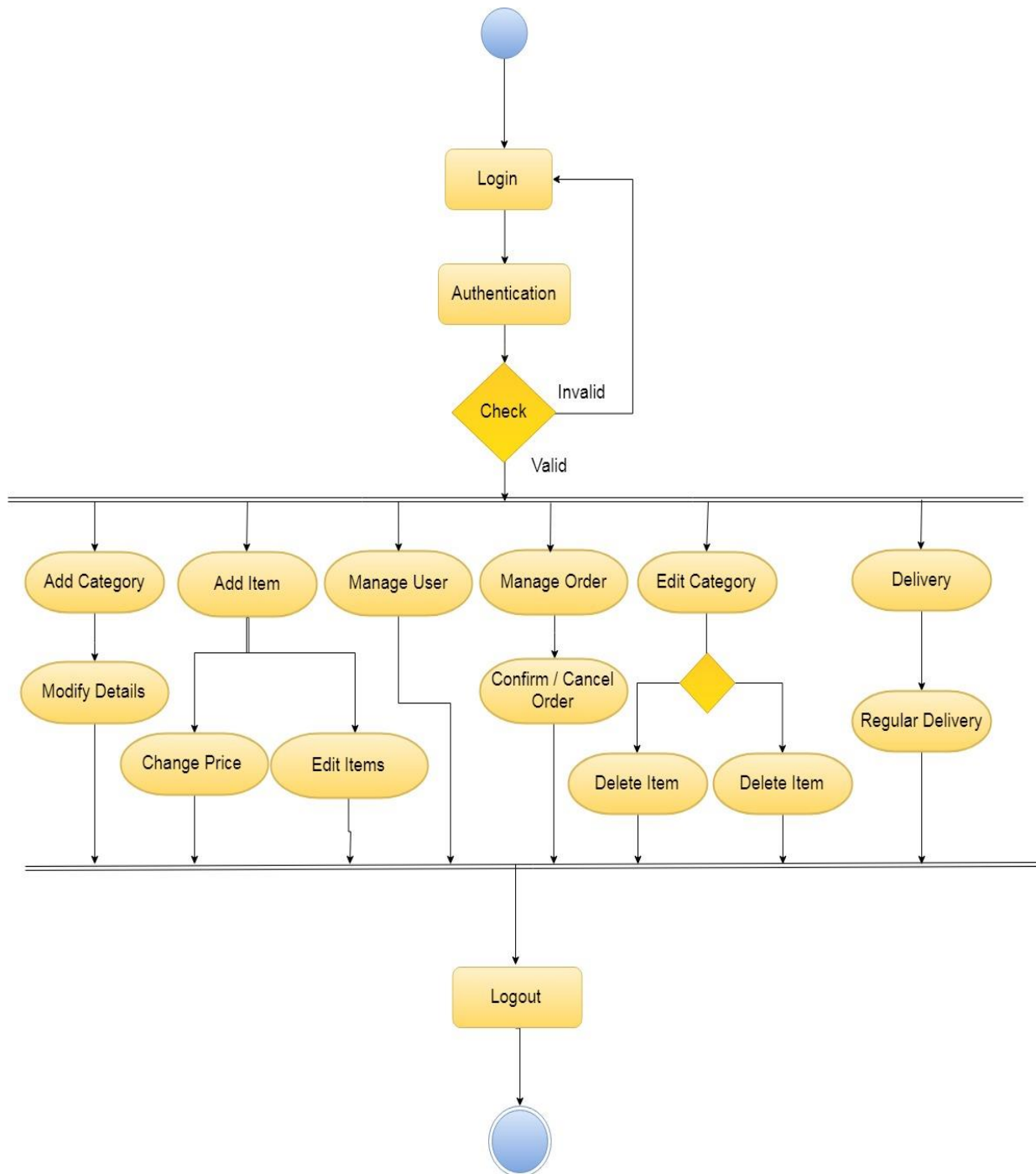
Post conditions: Log out successfully.

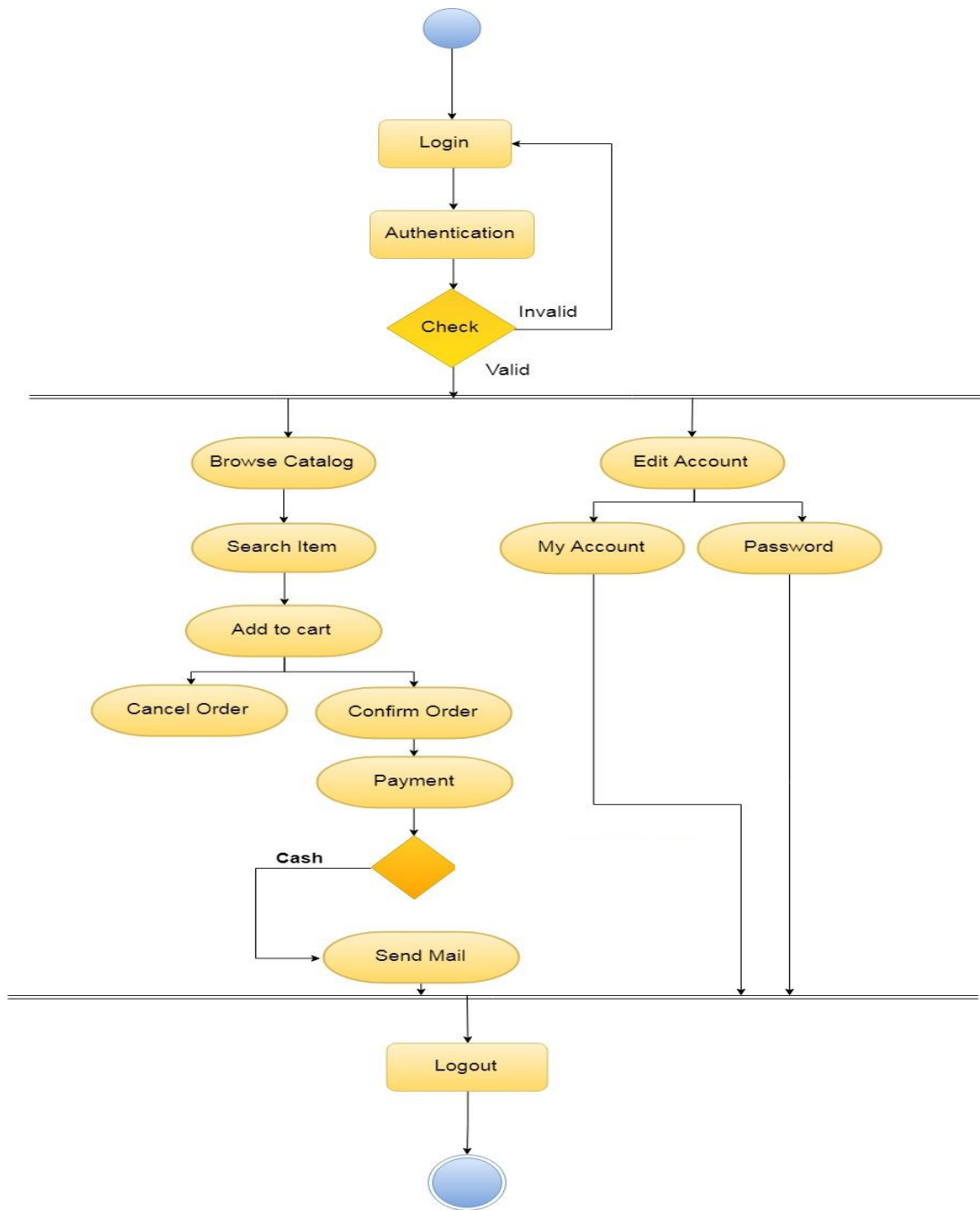
4.7. Activity Diagram

Admin

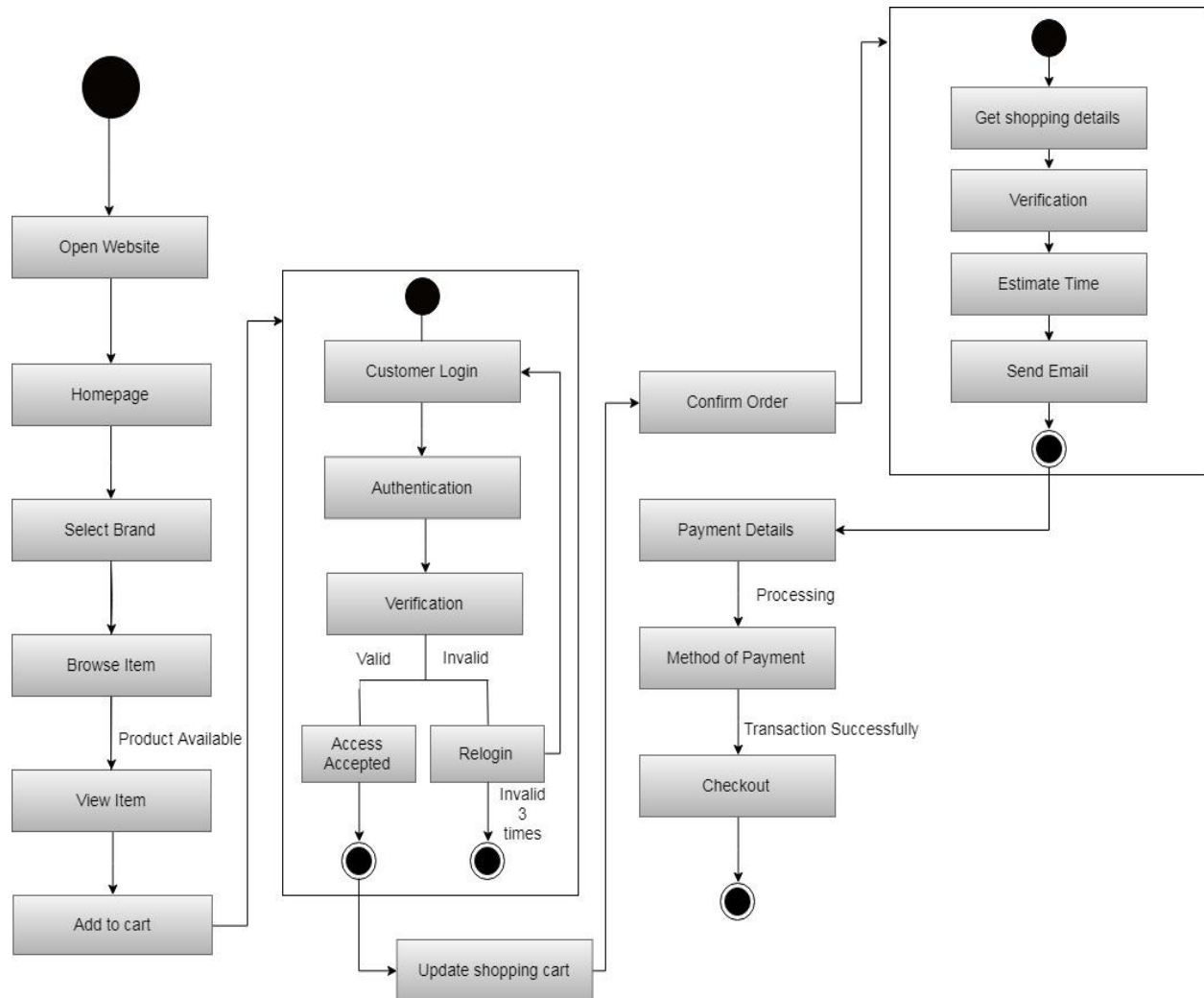


Inventory Manager

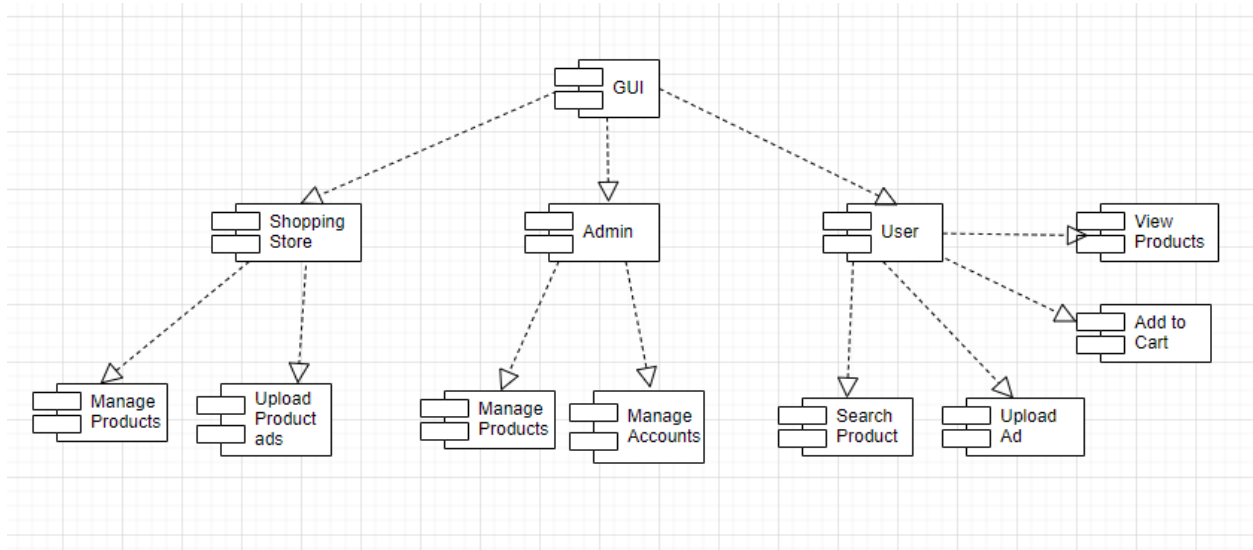


Customer

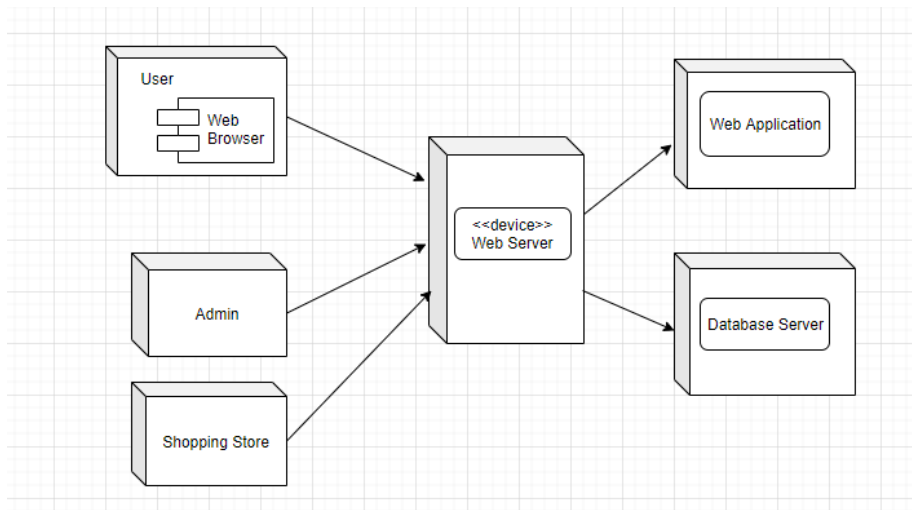
4.8. State Transition Diagram



4.9. Component Diagram (Applicable in FYP2)



4.10. Deployment Diagram (Applicable in FYP2)



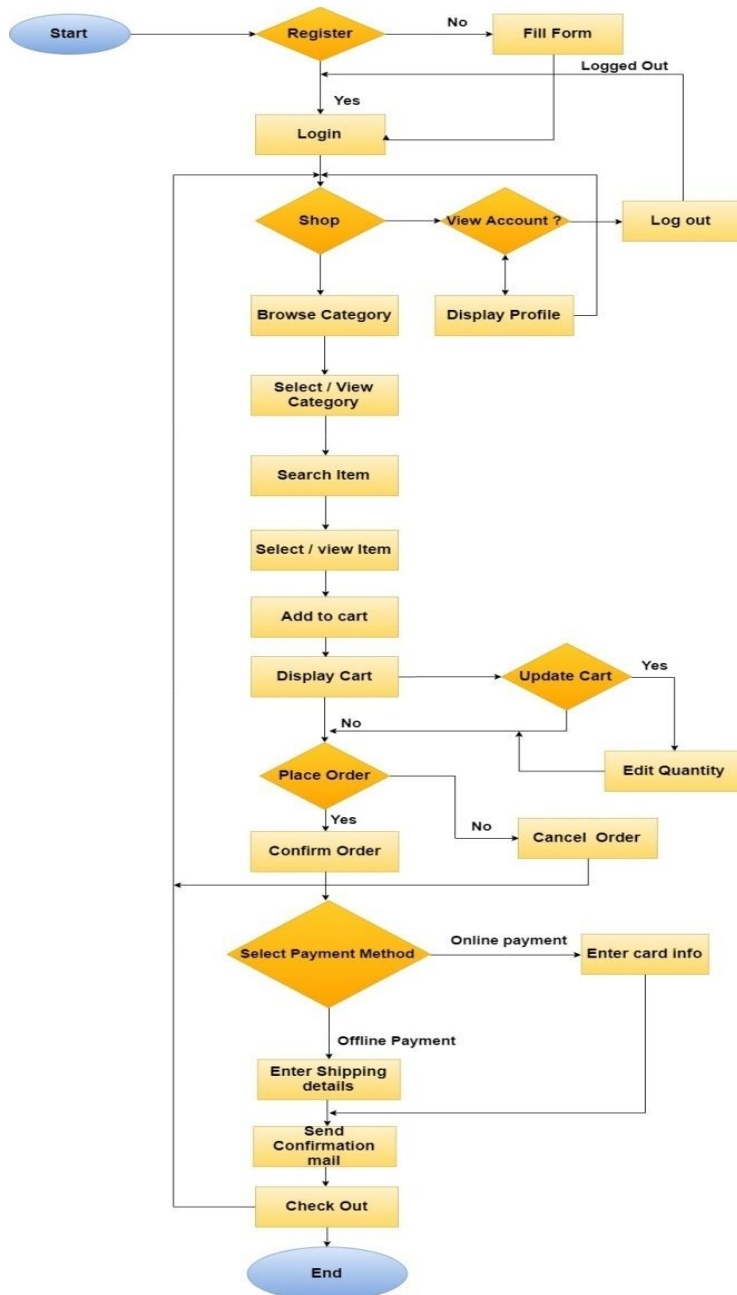
Chapter 5

Implementation

Chapter 5: Implementation

To make a website where customer can buy any kind of product of any kind of company that are available To implement such kind of thing on a single platform require many things to perform and how we are going to handle them and implement them is explained in this chapter.

5.1. Important Flow Control/Pseudo codes



5.2. Components, Libraries, Web Services and stubs

Components:

1. Properly Structured Website

One stop shop website is easy and useful to use. If a customer wants to purchase any product of any companies , they can easily purchase from our website. Our website has a easy configuration. All the information and arrangements of data are in a appropriate order and user can easily gets what he wants.

2. Mobile Friendly Shopping Experience

As we know that in today's world of technology more and more people have been using mobile devices for almost everything. Our website is mobile friendly. And customer can easily access the enjoyment of our website on their smart phones.

Web Services

- Working -hr access
- Variety
- Facility to evaluate
- home-privacy

5.3. Deployment Environment

Here we need a domain on which the 000webhost system will exists and through the domain several people will access the application. And smart phone users can download either from Google play store through which they can easily access the service and can easily purchase online products. It required one administrator who will be in charge of the approval and other supervision duty.

5.4. Tools and Techniques

Applications and tools that would be used during this project preparation are as follows:

4. Microsoft Word

Microsoft word is used for documentation purpose throughout the whole project.

5. Microsoft Project

Microsoft Projects provides extensive features on project management with a prominent feature of project scheduling. Gantt charts, resource allocations. This would be used as a project management tool throughout the whole project.

6. Draw.io

Draw.io is a tool for modeling different diagrams which would be addressed during Analysis and design phases of the project.

7. Project Modeling

Microsoft Visio is also used for different Perspectives. Use case Diagram, Data Flow Diagram (DFD), domain model and all other OOAD analysis and Design diagrams are supported.

8. Server

Server is required where whole data is stored.

5.1. Best Practices / Coding Standards

- No coding repetitions
- Function are always commented showing expected input and output.

5.2. Version Control

A component of software configuration management, version control, also known as revision control or source control, is the management of changes to documents, computer programs, large web sites, and other collections of information. So in this system we have used the agile software development for version control.

Chapter 6

Testing and Evaluation

Chapter 6: Testing and Evaluation

A test strategy is methodology that describes the various steps that need to be performed during testing and the time and effort required for performing them. The following strategies are used for testing.

6.1. Use Case Testing

Test case 1 (Registration)	
Test suite ID	S001
Test Case ID	C001
Actor	Unregister user
Test Case Summery	To verify that the Registration saves new user.
Related Requirement	User should be able to sign up.
Prerequisites	None
Test Procedure	• Open the Signup , Press Register button • Fill Registration Form. • Click Submit button.
Test Data	For username field: zainab, zainab123, zainab123@gmail.com For password field: 1234, abc12 , ABC12*
Expected	For username: ➤ If valid username is entered, the field color should turn green (accepted). ➤ If invalid username is entered, the field color should turn red (rejected). ➤ The form will not be post and User will be notify "Please match the format request as the password requirement is not meet." ➤ The form will not be post and User will be notify "Please match the format request as the password Confirmation is not Correct." ➤ When User enters a Password less then (5 digits password) then a message must show "Your Password is Weak Please Enter the Strong Password to secure your account".

	➤ The User will be created in the database, the browser will display the Search area and client name will replace the text “guest” in the Navigation bar.
Actual Result	Test Successful.
Status	Pass
Created By	Zainab shahid
Date of Creation	10- June-2020
Executed by	Muhammad Reebal Bin Akram

Test case 2 (Login)	
Test suite ID	S002
Test Case ID	C002
Actor	Register user
Test Case Summery	To verify that login button functions
Related Requirement	correctly.
Prerequisites	1. User must be registered
Test Procedure	• 2.Open application • 3. Enter Email and password • 4. Click on the login button
Data Test	Login detail jack123,john Login detail abc123@outlook.org

Expected	➤ If the username and password are valid then the home page should be Opened. ➤ When User enters in invalid Email then message show “Your Email is invalid Please Enter the correct Email, Retry option”. ➤ When User enters a wrong Password then message show “Your Password is invalid Please Enter the correct Password, Retry option”.
Actual Result	Login successful
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	10- June-2020
Executed by	Zainab Shahid

Test case 3 (LogOut)	
Test suite ID	S003
Test Case ID	C003
Actor	Register user
Test Case Summery	To verify that Logout button is working when user click on it.
Related Requirement	Login user cans Logout.
Prerequisites	None
Test Procedure	• When the user can Log in if he want to Logout. • Click Logout button
Test Data	For username field: Jack, john123,abc234@outlook.org For password field: 123123, asdasdv1232, as, ATy78& For city: 23123, asdasdas, Chakwal, Lahore
Expected	For username: ➤ If valid username is entered, the field color should turn green (accepted).

	➤ If invalid username is entered, the field color should turn red (rejected). ➤ The form will not be post and User will be notify "Please match the format request as the password requirement is not meet." ➤ The form will not be post and User will be notify "Please match the format request as the password Confirmation is not Correct." ➤ When User enters a Password less then (5 digits password) then message show "Your Password is Weak Please Enter the Strong Password to secure your account". ➤ The User will be created in the database, the browser will display the search area and client name will replace the text "guest" in the navigation bar. ➤ When the user want to logout then click on logout button.
Actual Result	Login successful
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	10- June-2020
Executed by	Zainab shahid

Test case 4 (Select Item)	
Test suite ID	S004
Test Case ID	C004
Actor	Register user
Test Case Summery	To verify Select item button is functioning correctly.
Related Requirement	User can select item and add into cart.
Prerequisites	Use must be login.
Test Procedure	• Login in • Select Item
Test Data	Valid selected Item Invalid selected Item
Expected	User can select Item
Actual Result	Select item is added into the cart.
Status	Test Successful.

Created By	Muhammad Reebal Bin Akram
Date of Creation	15-May-2020
Executed by	Zainab Shahid
Date of Execution	10- June-2020

Test case 5 (View Detail)	
Test suite ID	S005
Test Case ID	C005
Actor	Register user
Test Case Summery	To verify View Detail is functioning correctly.
Related Requirement	User can enter required information to view detail.
Prerequisites	Use must be login.
Test Procedure	Login in User can enter a required information
Test Data	User can view detail of the items
Expected	User can view detail of selected item.
Actual Result	View detail of the selected item
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	15-May-2020
Executed by	Zainab shahid
Date of Execution	10- June-2020

Test case 6 (Place Order)	
Test suite ID	S006
Test Case ID	C006
Actor	Register user
Test Case Summery	To verify place order button is functioning correctly.
Related Requirement	• User must be successfully Login In. • Information of the User must be successfully entered. • Information of the Source must be successfully entered.
Prerequisites	User must be login. Select the item.
Test Procedure	User must login Select the item Add to cart after selecting the item.
Test Data	User can place order.
Expected	User can place order after selecting the item.
Actual Result	Place order after selecting the product.
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	15-May-2020
Executed by	Zainab shahid
Date of Execution	10- June-2020

Test case 7 (View Order)	
Test suite ID	S007
Test Case ID	C007
Actor	Register user
Test Case Summery	To verify view order button is functioning correctly.
Related Requirement	• User must be successfully Login In • Information of the User must be successfully entered

	Information of the Source must be successfully entered
Prerequisites	User can view order of selected item.
Test Procedure	- User must login - Select the item - Add to cart after selecting the item. User can view order of selected item.
Test Data	User can view order.
Expected Result	User can view order after placing the order.
Actual Result	View the order detail.
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	15-May-2020
Executed by	Zainab Shahid
Date of Execution	10- June-2020

Test case 8 (Cancel Order)	
Test suite ID	S008
Test Case ID	C008
Actor	Register user
Test Case Summery	To verify cancel order button is functioning correctly.
Related Requirement	- User must be successfully Login In - Information of the User must be successfully entered - Information of the Source must be successfully entered
Prerequisites	User can cancel order of selected item.
Test Procedure	- User must login - Select the item - User can cancel the order..
Test Data	User can cancel order.
Expected Result	User can cancel order after placing the order.

Actual Result	View the detail.
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	15-May-2020
Executed by	Zainab Shahid
Date of Execution	10- June-2020

Test case 9 (Add to Cart)	
Test suite ID	S009
Test Case ID	C009
Actor	Register user
Test Case Summery	To verify Add to cart button is functioning correctly.
Related Requirement	• User must be successfully Login In • Information of the User must be successfully entered • Information of the Source must be successfully entered
Prerequisites	None
Test Procedure	• User must login • Select the item • Add to cart after selecting the item.
Test Data	User can add item into cart.
Expected Result	User can add item into cart.
Actual Result	Add item into the cart.
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	15-May-2020
Executed by	Zainab shahid
Date of Execution	10- June-2020

Test case 10 (Select Payment Method)	
Test suite ID	S010
Test Case ID	C010
Actor	Register user
Test Case Summery	To verify payment method button is functioning correctly.
Related Requirement	• User must be successfully Login In • Information of the User must be successfully entered • Information of the Source must be successfully entered
Prerequisites	None
Test Procedure	• User must login • Select the item • After tracking the order then payment module show in front of the user and • select payment method by hand or by credit card.
Test Data	User can add item into cart and payment method show.
Expected Result	Payment method shows in front of the user.
Actual Result	After placing the order payment method shows in front of the user.
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	15-May-2020
Executed by	Zainab Shahid
Date of Execution	10- June-2020

Test case 11 (Add Item)	
Test suite ID	S011
Test Case ID	C011
Actor	Admin
Test Case Summery	To verify add item button is functioning correctly.

Related Requirement	Admin can add item like
Prerequisites	None
Test Procedure	Admin can add item like
Test Data	None
Expected	Admin can add item.
Actual Result	Item is added
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	15-May-2020
Executed by	Zainab shahid
Date of Execution	10- June-2020

Test case 12 (Delete Item)	
Test suite ID	S012
Test Case ID	C012
Actor	Admin
Test Case Summery	To verify delete item button is functioning correctly.
Related Requirement	Admin can delete item like
Prerequisites	None
Test Procedure	Admin can delete item like
Test Data	None
Expected	Admin can delete item.
Actual Result	Item is delete
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	15-May-2019

Executed by	Zainab Shahid
Date of Execution	10- June-2019

Test case 13 (Update Item)	
Test suite ID	S013
Test Case ID	C013
Actor	Admin
Test Case Summery	To verify Update item button is functioning correctly.
Related Requirement	Admin can Update item like
Prerequisites	None
Test Procedure	Admin can Update item like
Test Data	None
Expected	Admin can Update item.
Actual Result	Item is Update
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	15-May-2019
Executed by	Zainab Shahud
Date of Execution	10- June-2019

Test case 11 (Add category)	
Test suite ID	S011
Test Case ID	C011
Actor	Manager
Test Case Summery	To verify add category button is functioning correctly.
Related Requirement	Manager can add item like
Prerequisites	None
Test Procedure	Manager can add category like
Test Data	None
Expected	Manager can add category
Actual Result	category is added
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	15-May-2020
Executed by	Zainab shahid
Date of Execution	10- June-2020

Test case 12 (Delete category)	
Test suite ID	S012
Test Case ID	C012
Actor	Manager
Test Case Summery	To verify delete item button is functioning correctly.
Related Requirement	Manager can delete category like
Prerequisites	None
Test Procedure	Manager can delete category like
Test Data	None

Expected	Manager can delete category
Actual Result	Category is delete
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	15-May-2019
Executed by	Zainab Shahid
Date of Execution	10- June-2019

Test case 13 (Update Item)	
Test suite ID	S013
Test Case ID	C013
Actor	Admin
Test Case Summery	To verify Update item button is functioning correctly.
Related Requirement	Manager can Update category like
Prerequisites	None
Test Procedure	Manager can Update category like
Test Data	None
Expected	Manager can Update category
Actual Result	category is Update
Status	Test Successful.
Created By	Muhammad Reebal Bin Akram
Date of Creation	15-May-2020
Executed by	Zainab shahid
Date of Execution	10- June-2020

6.2. Function Testing

The function testing is about to test the whole function and check that if the function is working properly. In this scenario we will test all the functionalities of the project and after all these testing we have entered all the screenshots of our website which are given further below in this document. System testing involves the set of tests that ensures that the entire system performs according to specifications

6.3. Unit testing

Unit testing is a white-box testing technique. The main consideration in this test is verification of all modules of the software system. Each module is unit tested, as follows:

- Unit testing for the project User Management is tested by valid user or invalid user.
- Unit testing for the project User Account management is provided by testing Login, Logout and creating new or deleting updating existing user.
- Unit testing for the project articles details is performed by entering new information.
- Unit testing for the Project Detail of items give detail accurately.
- Unit testing for the module Add/update/delete product.
- Unit testing for the project online payments is performed by searching customer record of continuing status then entering payment information

6.4. Integration testing

Integration testing is the technique for testing the interfaces of software components. Each software components in unit tested, and all the components are integrated to perform together. The tests are conducted to ensure that the components are working properly after interfacing. All modules are integrated by an incremental approach, and integration testing of the system is performed as follows:

- Integrate login module and test that the software is properly connected to the database.
- Integrate all modules and test by inserting updating, and deleting records.

Chapter 7

Summary, Conclusion and Future Enhancements

Chapter 7: Summary, Conclusion & Future Enhancements

7.1. Project Summary

As we know due to COVID-19 there is lock down everywhere. The most affective persons are owner of local stores who don't have their inventory management system or any web services. We are offering great opportunity to them to register their own stores and work from home. Each local store aims to create a unique point of sale. However, there are certain characteristics that are common to most local stores. But the main characteristic that we are entering in our website is that we are merging the entire Pakistanis different shops on a single platform that will ease you from surfing on different website.

The main objective of this local store website is to keep the viewer in the site enough time for him or her to see the product of all local stores and which are most selling. Some local stores don't have their inventory records when customer comes then they realize that they don't have that product in this way they can manage their inventory and update by time they need.

We are giving our customers an easy and convenient way to shop from the comfort of their homes on a website that sells all of their favorite products from their favorite companies So, you don't need to go and look for each and every website of each brand. We have given you a platform and they will deliver all your products safely at your home.

7.2. Achievements and Improvements

The online shopping website where consumer search different companies and select product only in one website. This product has great future scope. The online shopping store where user easily search product and purchase sit in the front of computer and received at doorstep

The purpose scope is to present an efficient, reliable online shopping and deliver the product safely and securely. The achievements that we have made is that we are providing all the details of different and top most Pakistani companies on a single shelter and gives our customers an ease for shopping with us.

7.3. Lessons Learnt

This project helped us in gaining valuable information and practical knowledge on several topics like designing web pages using html & css and php, usage of responsive templates, designing of responsive website, and management of database using mysql . The entire system is secured. Also the project helped us understanding about the development phases of a project and software development life cycle. We learned how to test different features of a project.

7.4. Future Enhancements/Recommendations

In future the project will be updated with to top most methodology and with the passage of time new advancement will be mad in it and kept in knowledge. Stay aware of patterns and advancements in online industry, watch out for the opposition and receive new innovation.

Appendices

Appendix A: User Manual



Cloud Base Inventory System

User Manual

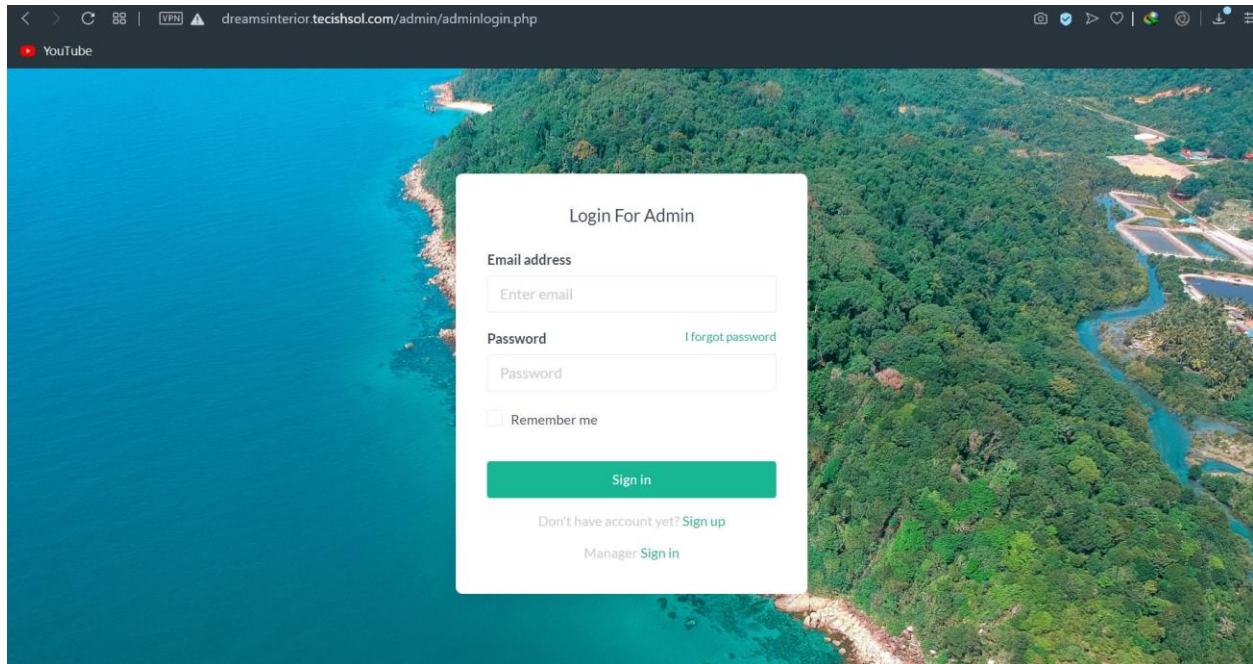
Table of Contents

- 1. Admin Login**
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 - a. View Profile**
 - b. Admin Home**
 - c. About us**
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 - c. View Manufacturer**
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 - e. Add Category**
 - f. View Category**
 - g. Edit Category**
 - h. Add Products**
 - i. View Products**
 - j. Edit Products**
- 6. User Home**
- 7. Cart**

- 8. Category**
- 9. Search**
- 10. Detail**
- 11. User Create Account/Login**
- 12. Checkout**
- 13. About us**
- 14. Contact us**

1) Admin Login

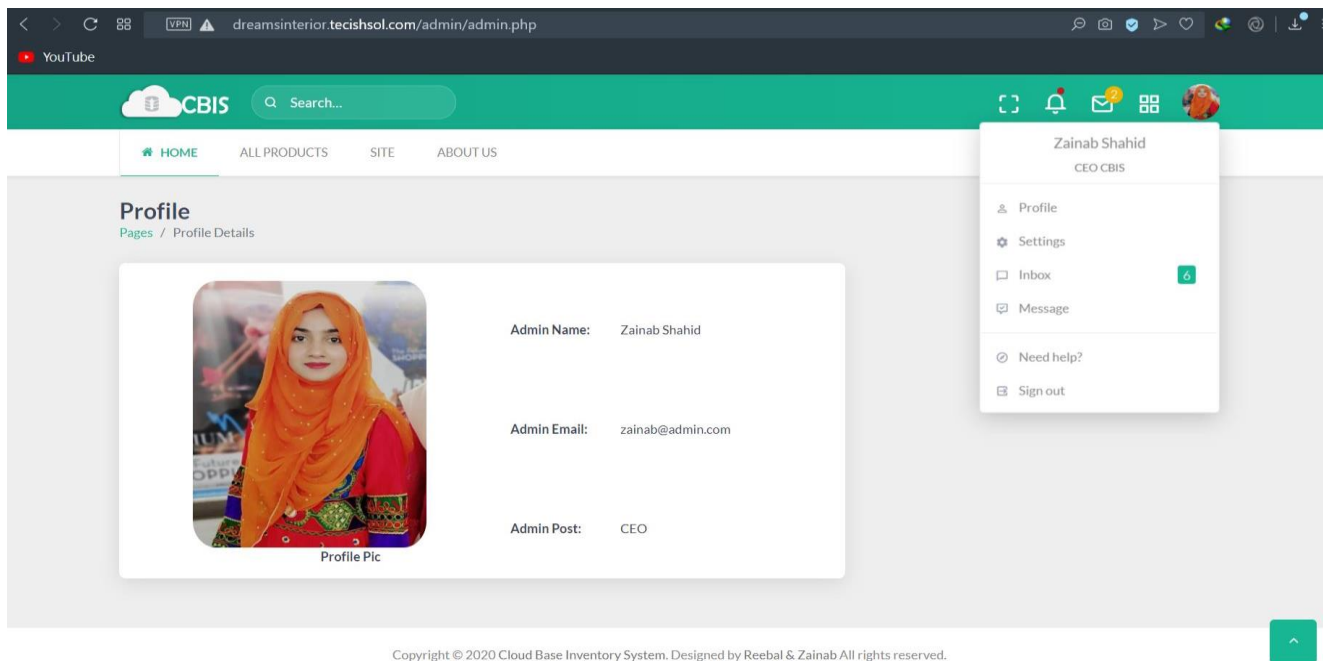
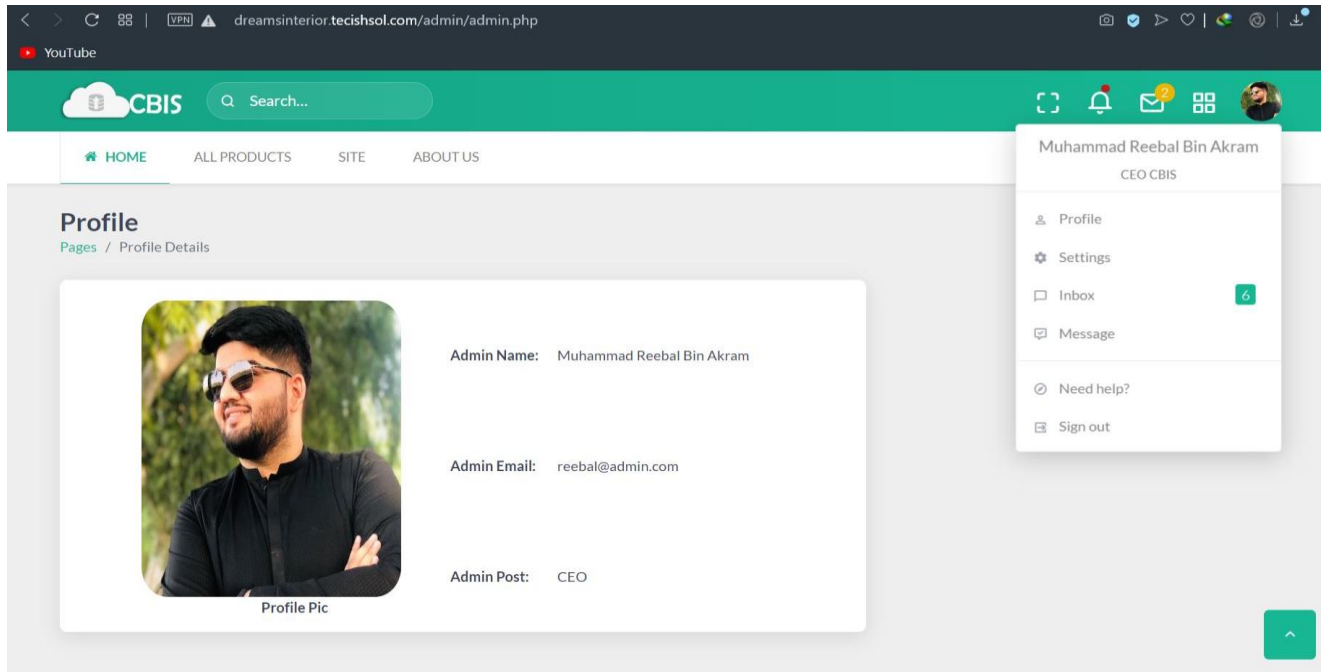
Admin can create their account by submitting the required data in the sign-up form. The registered admin can then login into their account with their email and password. The admin can access this interface by clicking on the “Login” button on the header.



2) Admin Profile

a. View Profile

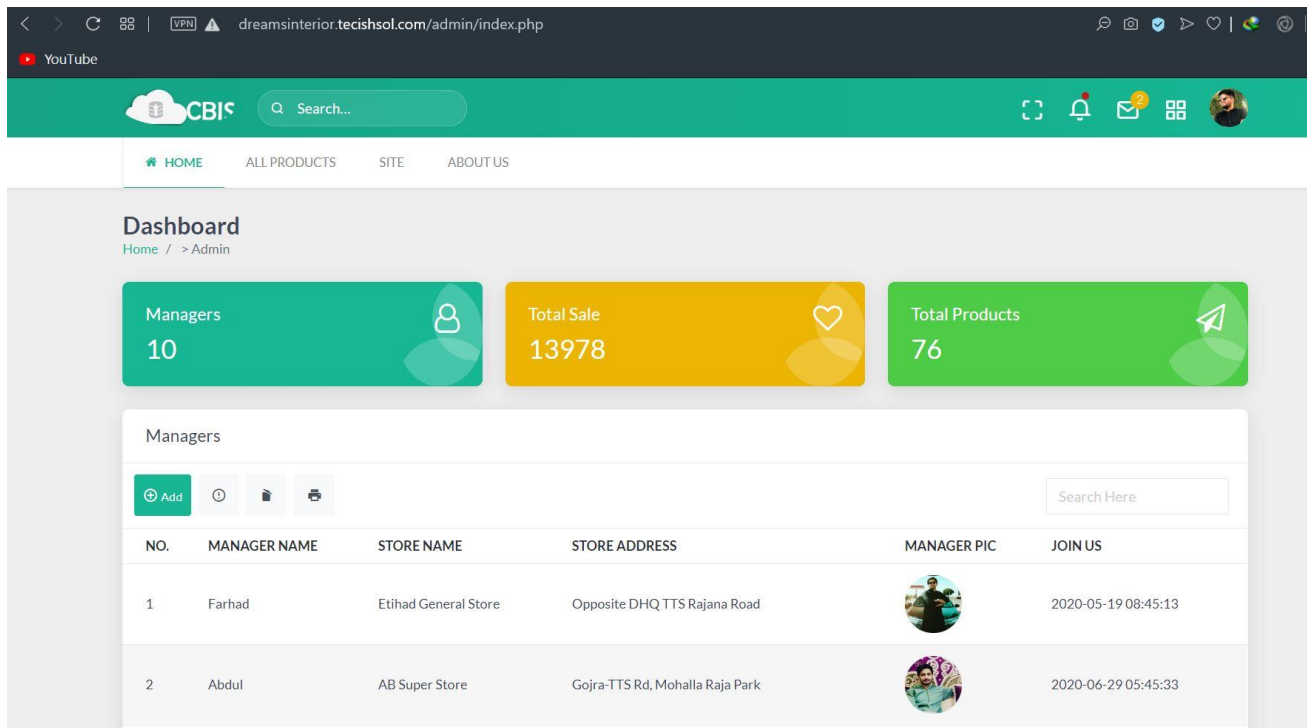
Users can view their own profile by clicking on the “My Account” button on the header. All of the information that the user entered while creating account shall be displayed to the user.



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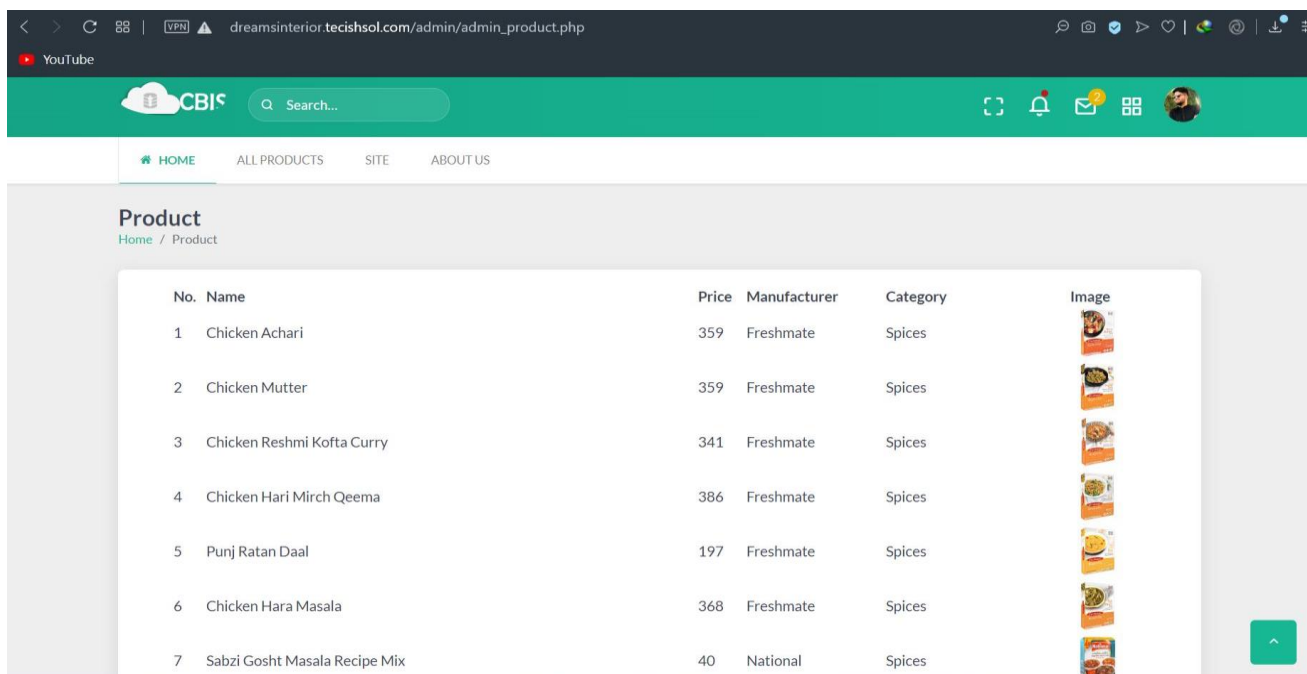
b. Admin Home

Admin can create their account by submitting the required data in the sign-up form. The registered admin can then login into their account with their email and password. The admin can access this interface by clicking on the “Login” button on the



The screenshot shows the Admin Home Dashboard of the Cloud Base Inventory System. The dashboard includes a navigation bar with a search bar and a sidebar with links to HOME, ALL PRODUCTS, SITE, and ABOUT US. The main content area displays three summary cards: Managers (10), Total Sale (13978), and Total Products (76). Below these cards is a table titled 'Managers' with columns for NO., MANAGER NAME, STORE NAME, STORE ADDRESS, MANAGER PIC, and JOIN US. The table lists two managers: Farhad and Abdul.

NO.	MANAGER NAME	STORE NAME	STORE ADDRESS	MANAGER PIC	JOIN US
1	Farhad	Etihad General Store	Opposite DHQ TTS Rajana Road		2020-05-19 08:45:13
2	Abdul	AB Super Store	Gojra-TTS Rd, Mohalla Raja Park		2020-06-29 05:45:33

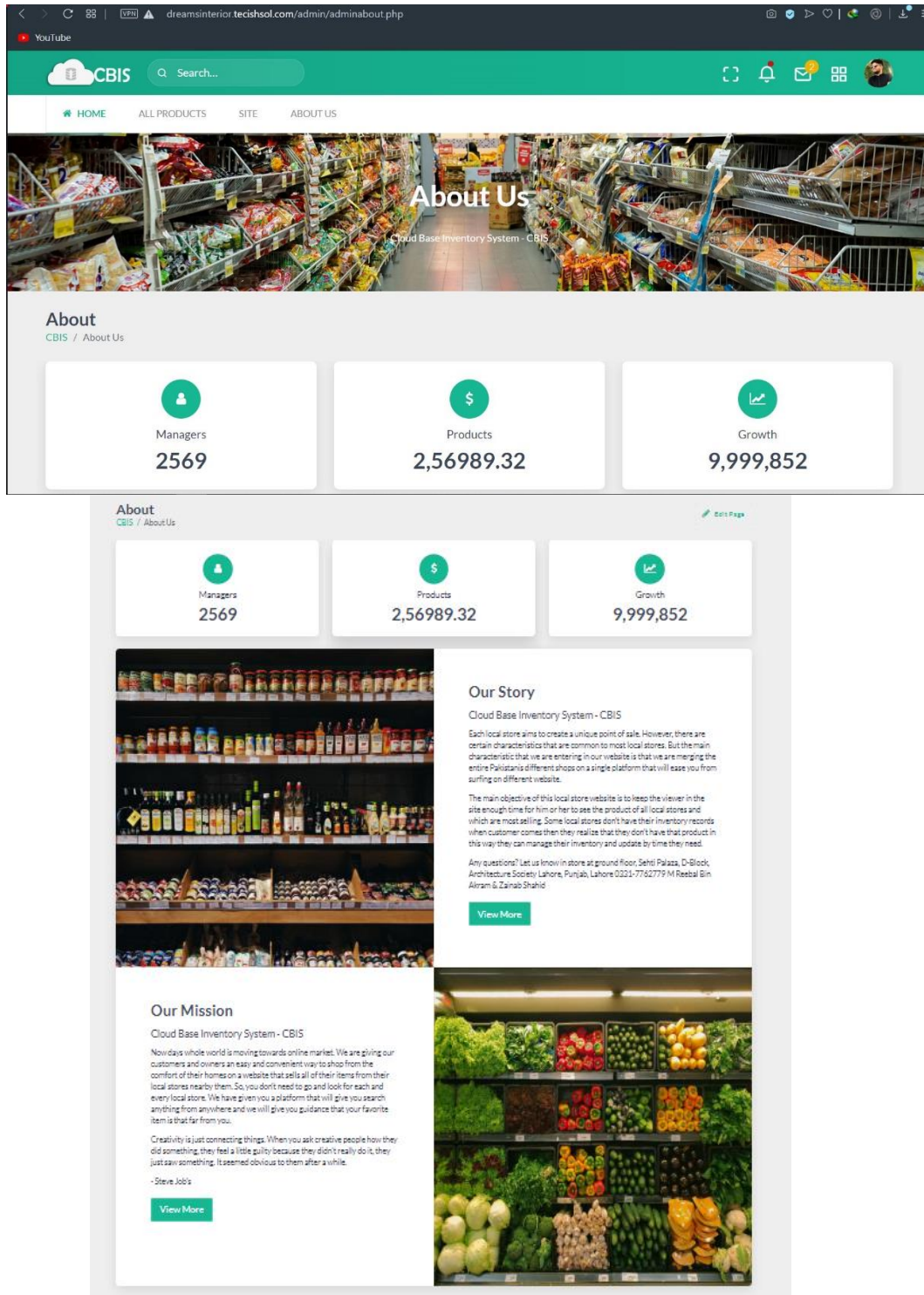


The screenshot shows the Admin Product List page. The page displays a table with columns for No., Name, Price, Manufacturer, Category, and Image. The table lists seven products, all of which are in the 'Spices' category and manufactured by 'Freshmate' or 'National'.

No.	Name	Price	Manufacturer	Category	Image
1	Chicken Achari	359	Freshmate	Spices	
2	Chicken Mutter	359	Freshmate	Spices	
3	Chicken Reshmi Kofta Curry	341	Freshmate	Spices	
4	Chicken Hari Mirch Qeema	386	Freshmate	Spices	
5	Punj Ratan Daal	197	Freshmate	Spices	
6	Chicken Hara Masala	368	Freshmate	Spices	
7	Sabzi Gosht Masala Recipe Mix	40	National	Spices	

c. About us

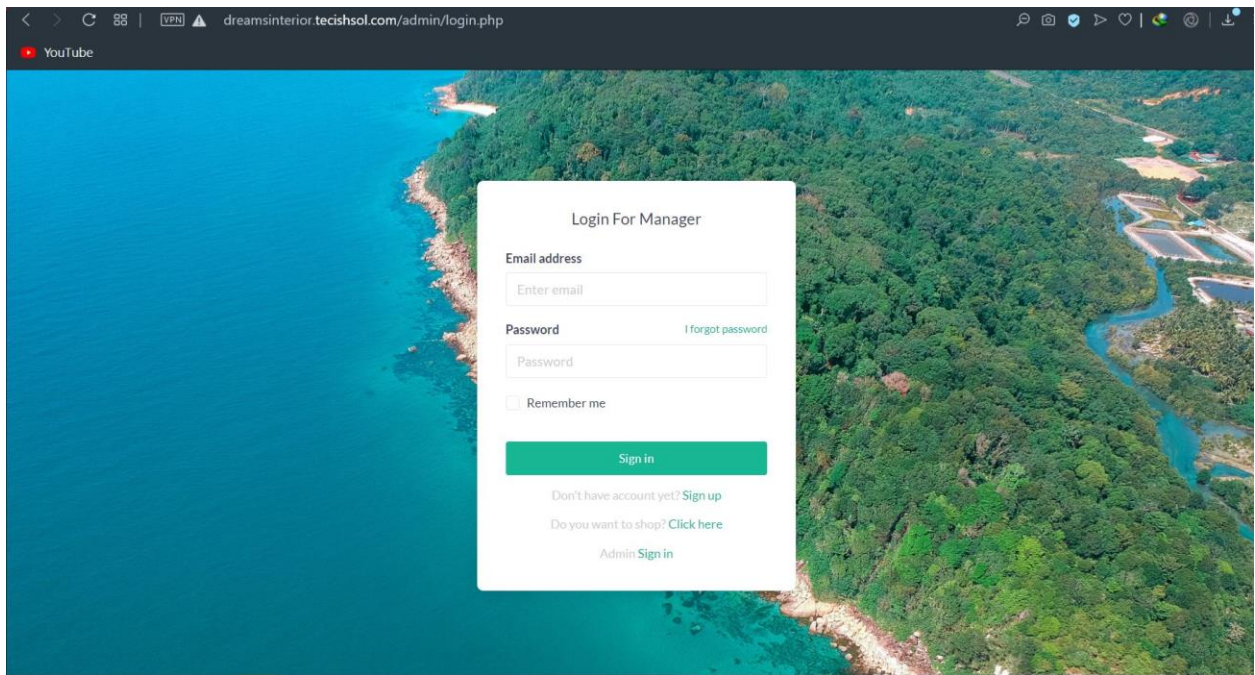
The user can access this interface by clicking on “About Us” button from the footer. From here, the user can read all the information about our website, its ideology and its working



3) Managers Create Account/ Login

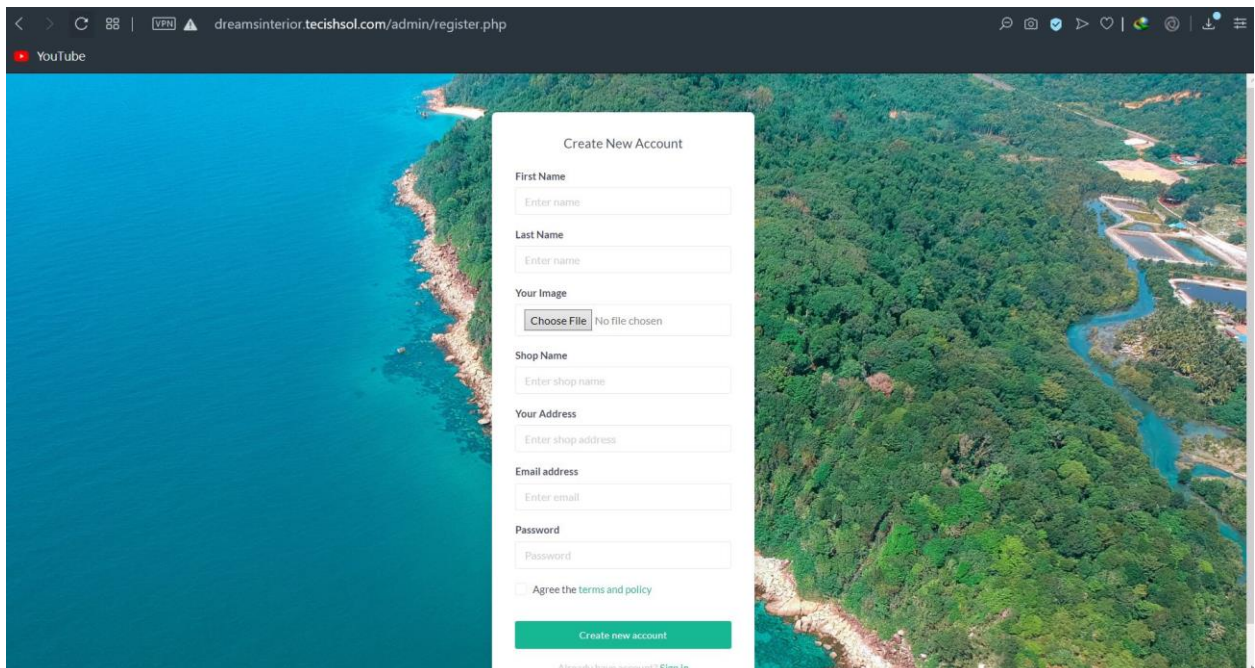
Users can create their account by submitting the required data in the sign up form. The registered users can then login into their account with their email and password. The user can access this interface by clicking on the “Login” button on the header.

Managers Login



The screenshot shows a web browser window with the URL `dreamsinterior.tecishsol.com/admin/login.php`. The page features a background image of a tropical coastline with turquoise water and lush green forest. A white login form titled "Login For Manager" is centered on the page. The form includes fields for "Email address" and "Password", a "Remember me" checkbox, and a green "Sign in" button. Below the button, there are links for "Sign up" (for users without an account), "Click here" (for users who want to shop), and "Admin Sign in".

Managers Sign up

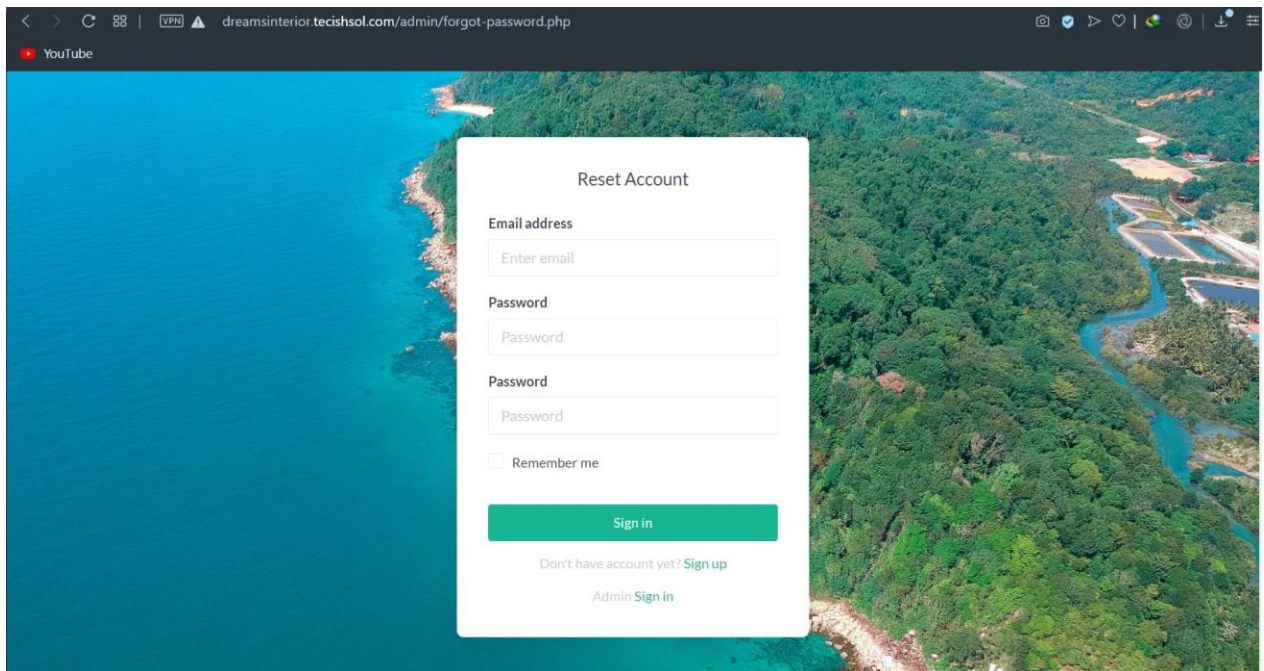


The screenshot shows a web browser window with the URL `dreamsinterior.tecishsol.com/admin/register.php`. The page features the same tropical coastline background as the login page. A white registration form titled "Create New Account" is centered on the page. The form includes fields for "First Name", "Last Name", "Your Image" (with a "Choose File" button), "Shop Name", "Your Address", "Email address", and "Password". There is also a checkbox for "Agree the terms and policy" and a green "Create new account" button. At the bottom, there is a link for "Sign in" for users who already have an account.

4) Password Recovery

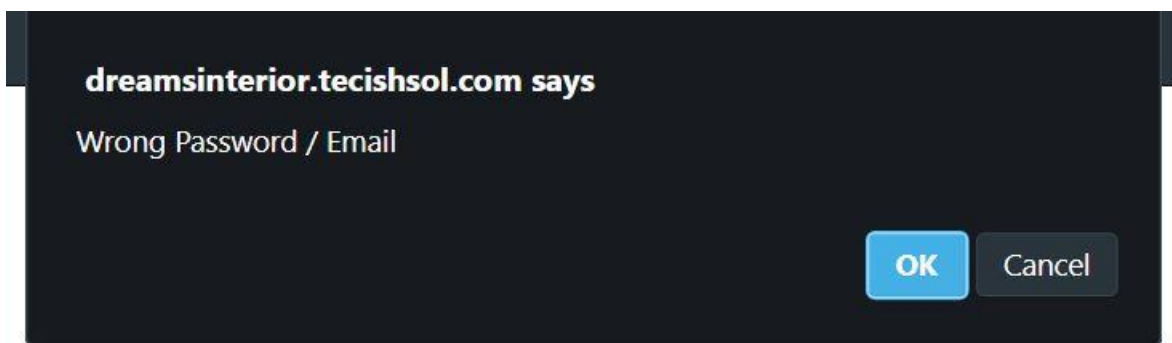
In case a user forgets its password, the password recovery feature can help the user by allowing the user to reset its password.

Managers Password Forget



The screenshot shows a web browser window with the URL `dreamsinterior.tecishsol.com/admin/forgot-password.php`. The page features a background image of a tropical coastline. Overlaid on this is a white 'Reset Account' form. The form contains the following elements:

- Email address:** A text input field with the placeholder text 'Enter email'.
- Password:** A text input field with the placeholder text 'Password'.
- Password:** A second text input field with the placeholder text 'Password'.
- Remember me:** A checkbox with the label 'Remember me'.
- Sign in:** A green button.
- Don't have account yet?** A link to 'Sign up'.
- Admin Sign in:** A link.

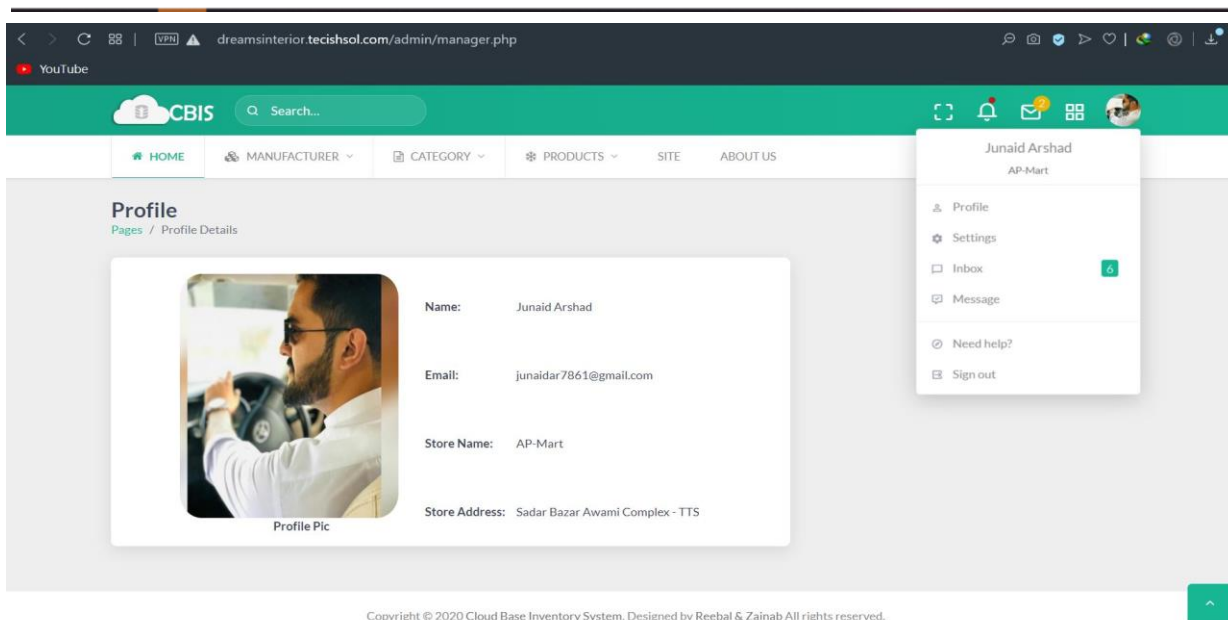
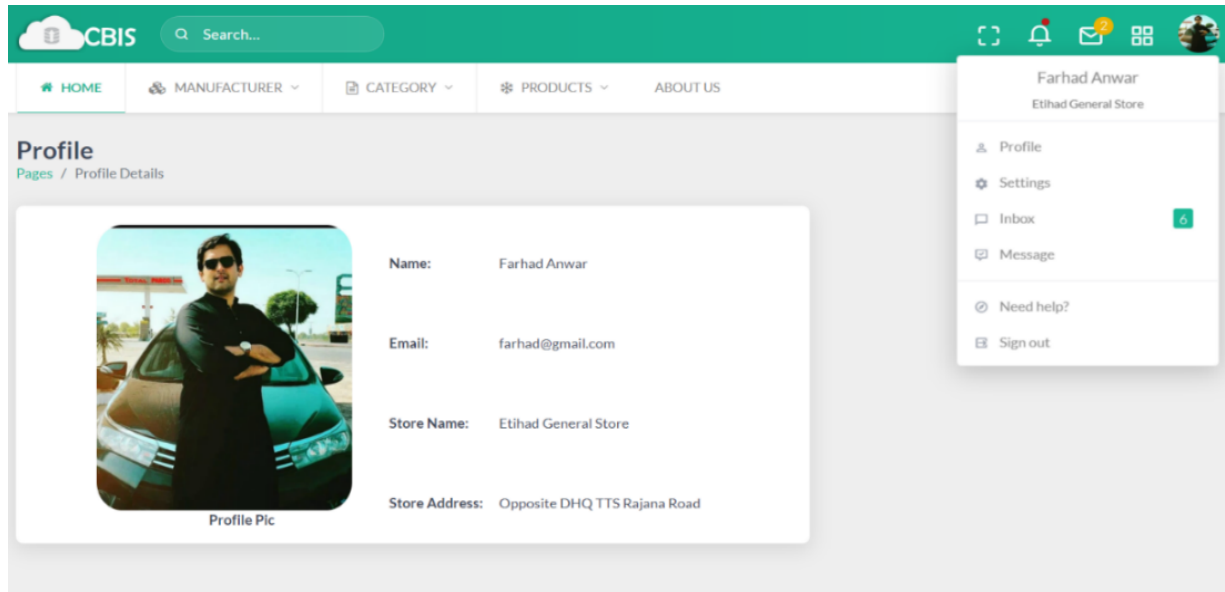


5) Managers Profile

Once signed in, users shall be able to manage their own profile.

a. View Profile

Users can view their own profile by clicking on the “My Account” button on the header. All of the information that the user entered while creating account shall be displayed to the user.



b. Add Manufacturers

Manufacturer

Manufacturer Name:

Details:

Logo: No file chosen

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c. View Manufacturer

No.	Name	Details	Logo	Operation
1	Shan	Products Range for your kitchen needs		Edit / Delete
2	Pepsi	The Choice of a New Generation		Edit / Delete
3	Coca Cola	Open Happiness		Edit / Delete
4	Nestle	Good Food, Good Life		Edit / Delete
5	Knorr	Life can be delicious		Edit / Delete
6	Unilever	Feel good, look good, and get more out of life		Edit / Delete
7	Heineken	Open Your World		Edit / Delete
8	Kellogg Company	What breakfast was meant to be		Edit / Delete

d. Edit Manufacturer

Manufacturer

Manufacturer Name: Shan

Details: Products Range for your kitchen needs

Existing Logo: 

New Logo: Choose File No file chosen

Update clear

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e. Add Category

The Category interface displays all the products belonging to the specific category which the user had selected to access the Category page. The user can view those products either in the form of grid, or in the form of list by selecting the mode shown below the Category Name.

Add New Category

Category Name:

Details:

Logo: Choose File No file chosen

save clear

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f. View Category

The screenshot shows the 'View Category' page in the Cloud Base Inventory System. The page has a green header with the 'CBIS' logo and a search bar. Below the header is a navigation menu with links to HOME, MANUFACTURER, CATEGORY, PRODUCTS, SITE, and ABOUT US. The main content area is titled 'Dashboard' and shows a list of categories. The table has five columns: No., Name, Details, Logo, and Operation. The categories listed are Spices, Sauces and Pickles, Dish Wash, Dairy Drinks, Batteries & Chargers, Book Stationery, and Snacks. Each category has a corresponding logo and an 'Edit / Delete' link in the Operation column.

No.	Name	Details	Logo	Operation
1	Spices	Goodness on plate		Edit / Delete
2	Sauces and Pickles	Adds More Taste To Every Taste		Edit / Delete
3	Dish Wash	Clean you mess		Edit / Delete
4	Dairy Drinks			Edit / Delete
5	Batteries & Chargers			Edit / Delete
6	Book Stationery			Edit / Delete
7	Snacks			Edit / Delete

g. Edit Category

The screenshot shows the 'Edit Category' page in the Cloud Base Inventory System. The page has a green header with the 'CBIS' logo and a search bar. Below the header is a navigation menu with links to HOME, MANUFACTURER, CATEGORY, PRODUCTS, SITE, and ABOUT US. The main content area is titled 'Dashboard' and shows a form to edit a category. The form has four main sections: Category Name, Details, Existing Logo, and New Logo. The Category Name is 'Spices' and the Details are 'Goodness on plate'. The Existing Logo is a small image of spices. The New Logo field has a 'Choose File' button and a 'No file chosen' message. There are 'Update' and 'clear' buttons at the bottom.

Category

Category Name:

Details:

Existing Logo:

New Logo: No file chosen

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h. Add Products

The Category interface displays all the products belonging to the specific category which the user had selected to access the Category page. The user can view those products either in the form of grid, or in the form of list by selecting the mode shown below the Category Name

The screenshot shows a web browser window with the URL `dreamsinterior.tecishsol.com/admin/product_new.php`. The page features a green header with the 'CBIS' logo and a search bar. Below the header is a navigation menu with links: HOME, MANUFACTURER, CATEGORY, PRODUCTS, SITE, and ABOUT US. The main content area is titled 'Dashboard' and 'Home / Dashboard 02'. A modal window titled 'Add New Product' is open, displaying a form with the following fields:

- Product Name:
- Purchase Price:
- Quantity:
- Selling Price:
- Manufacturer:
- Category:
- Details:
- Logo: No file chosen

At the bottom of the form are 'save' and 'clear' buttons. A copyright notice at the bottom of the page reads: 'Copyright © 2020 Cloud Base Inventory System. Designed by Reebal & Zainab All rights reserved.'

i. View Products



[HOME](#)
[MANUFACTURER](#)
[CATEGORY](#)
[PRODUCTS](#)
[ABOUT US](#)

Product

[Home](#) / [Product](#)

No.	Name	Price	Purchase Price	Quantity	Manufacturer	Category	Image	Operations
1	Chilli Sauce	125	112	45	Dipitt	Sauces and Pickles		Edit / Delete
2	Hoisin Sauce	425	400	78	Razmin	Sauces and Pickles		Edit / Delete
3	Sweet Chilli Sauce	380	360	22	Razmin	Sauces and Pickles		Edit / Delete
4	Oyster Sauce Filipino Style	380	360	33	Razmin	Sauces and Pickles		Edit / Delete
5	Habanero Sauce	120	102	30	Dipitt	Sauces and Pickles		Edit / Delete
6	Spicy Mixed Pickle	130	108	44	National	Sauces and Pickles		Edit / Delete



[HOME](#)
[MANUFACTURER](#)
[CATEGORY](#)
[PRODUCTS](#)
[SITE](#)
[ABOUT US](#)

Product

[Home](#) / [Product](#)

No.	Name	Price	Purchase Price	Quantity	Manufacturer	Category	Image	Operations
1	Chicken Achari	359	340	50	Freshmate	Spices		Edit / Delete
2	Chicken Mutter	359	340	50	Freshmate	Spices		Edit / Delete
3	Chicken Reshmi Kofta Curry	341	320	50	Freshmate	Spices		Edit / Delete
4	Chicken Hari Mirch Qeema	386	360	50	Freshmate	Spices		Edit / Delete
5	Punj Ratan Daal	197	160	50	Freshmate	Spices		Edit / Delete
6	Chicken Hara Masala	368	342	50	Freshmate	Spices		Edit / Delete

j. Edit Products

dreamsinterior.tecishsol.com/admin/product_update.php

CBIS Search...

HOME MANUFACTURER CATEGORY PRODUCTS SITE ABOUT US

Product

Home / Product List

Product List

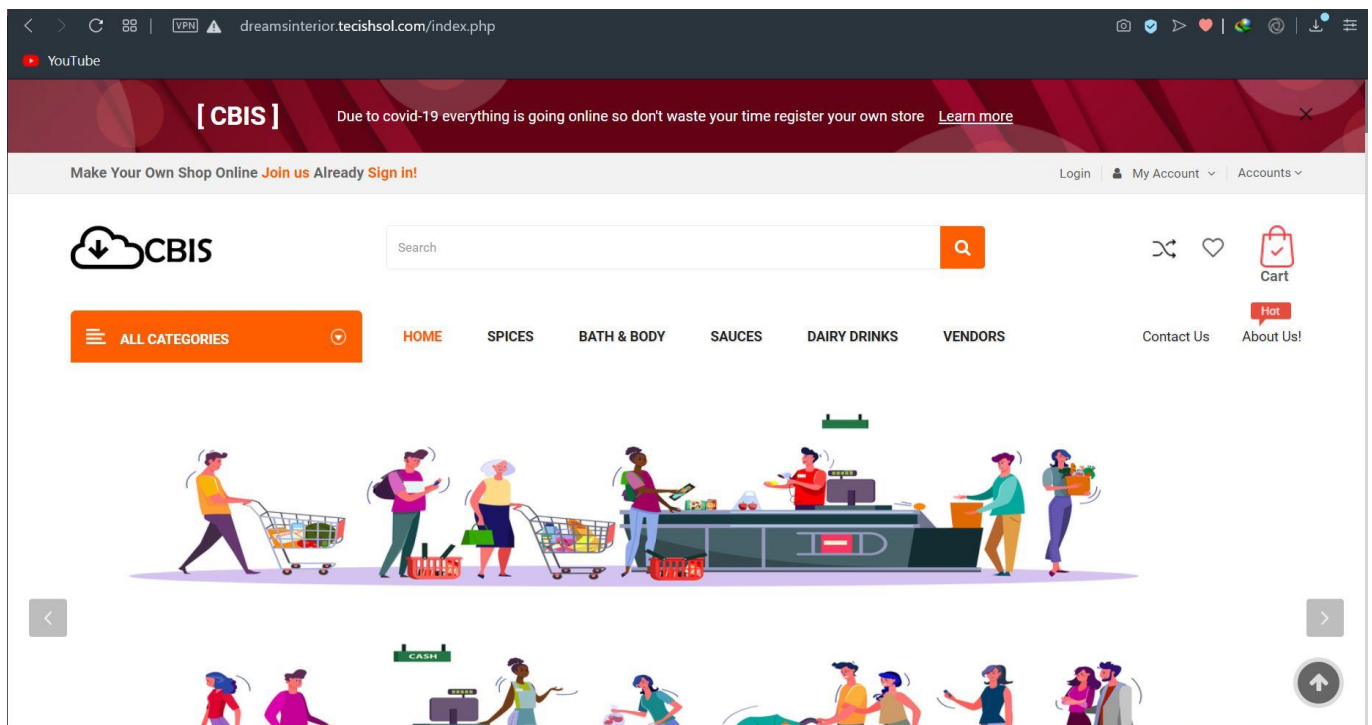
Product Name:	Chicken Achari
Purchase Price:	340
Selling Price:	359
Quantity:	50
Manufacturer:	Freshmate
Category:	Spices
Details:	Freshmate Chicken Achari 275gm
Existing Logo:	
New Logo:	Choose File No file chosen
	Update

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6) User Home

This home interface shows the multiple products belonging to different categories that are uploaded by different brands or companies to be sold. From here, the users can add the products of their choice to “Cart” to place order, or to the “Wishlist” to consider them later.

The users can also see products of some specific “Category” by selecting any category mentioned in the side bar. They can also view the “Detail” of a specific product by clicking on the image or the name of the product itself from the scroll bars shown on the “Home” interface.



Home (cont.)

dreamsinterior.tecishsol.com/index.php

YouTube

Milk & Dairy Drinks

Shop now



Spices

Shop now



Soft Drinks & Soda

Shop now



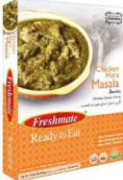
BEST SELLER



Super Heavy Duty AAA Batteries

Camelion Super Heavy Duty AAA Batteries, 2-Pack, R03P-BP2G

PKR - 50



Chicken Hara Masala

Freshmate Chicken Hara Masala 275gm

PKR - 368



French Cheese

Lays French Cheese Potato Chips 29g

PKR - 20



Hoisin Sauce

Razmin Hoisin Sauce, 300ml

PKR - 425

Home (cont.)

dreamsinterior.tecishsol.com/index.php

YouTube

Spices

Best Seller

New Arrivals

Most Rating



Chicken Reshmi Kofta Curry

Freshmate Chicken Reshmi Kofta Curry 275gm

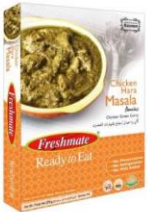
PKR - 341



Seekh Kabab Masala Mix

National Seekh Kabab Masala Mix 50gm

PKR - 70



Chicken Hara Masala

Freshmate Chicken Hara Masala 275gm

PKR - 368



Daal Masala

National Mazedaar Daal Masala Recipe Mix, 23x2g

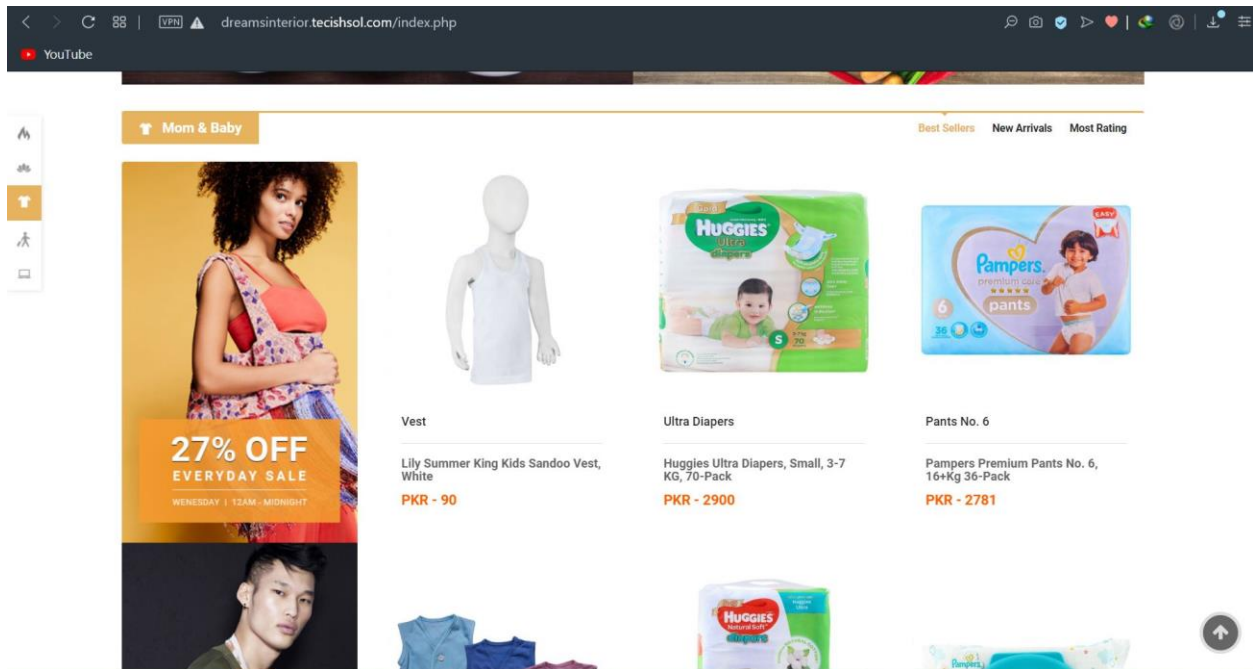
PKR - 40



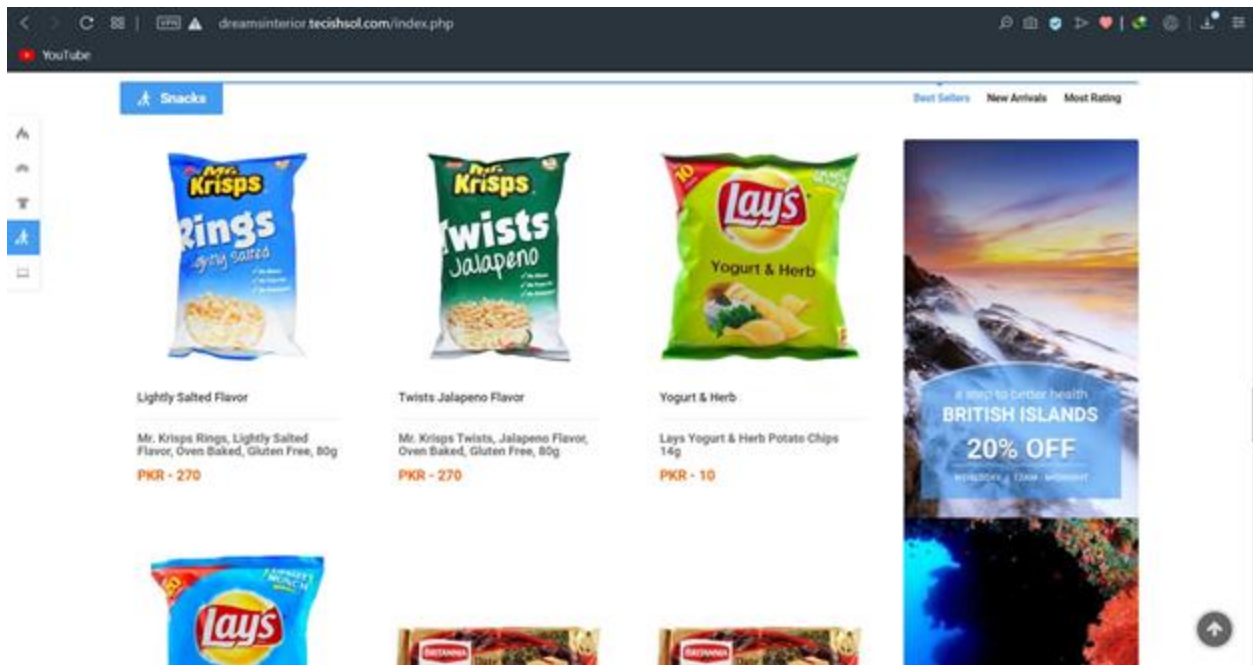




Home (cont.)



Home (cont.)



Home (cont.)

dreamsinterior.tecishsol.com/index.php

YouTube

Digital & Electronics

Best Seller New Arrivals Most Rating

 Super Heavy Duty AAA Batteries Camelion Super Heavy Duty AAA Batteries, 2-Pack, R03P-BP2G PKR - 50	 Lithium AA Batteries Energizer Lithium AA Batteries 2-Pack PKR - 950	 Rechargeable AAA Batteries Energizer Rechargeable AAA Batteries 2-Pack PKR - 1150	 Alkaline Batteries Energizer C Alkaline Batteries BP-2 Pack PKR - 650
---	---	---	--




Home (cont.)

dreamsinterior.tecishsol.com/index.php

YouTube

Manufacturer	Food & Restaurant	Books
 Knorr Life can be delicious	 Lemon Malt Muree Brewery Lemon Malt, Non-Alcoholic, Bottle, 300ml PKR - 50	 Cooking Super Juicing Lets Get Cooking Super Juicing PKR - 295
 Freshmate Taza hu lay	 Lays Paprika Lays Paprika Potato Chips 24g PKR - 20	 Snow White Movie Story Book Disney Snow White Movie Story Book PKR - 600
 Tapal Laal hai to Tapal hai	 Sprite Sprite Pet 500ml PKR - 45	 Cooking Superfoods Lets Get Cooking Superfoods PKR - 295

PAYMENT ON DELIVERY
Cash On Delivery Option

FREE SHIPPING
Free Shipping On Oder Over PKR - 1500

SECURE PAYMENT
We Value Your Security

ONLINE SUPPORT
We Have Support 24/7

dreamsinterior.tecishsol.com/index.php

YouTube

Venders



14 MAR 2020

Farhad Anwar
Etihad General Store
Opposite DHQ TTS Rajana Road



28 FEB 2020

Syed Noman
E-Mart
Susan Road, Officer Colony 1, Faisalabad








SIGN UP TO NEWSLETTER CLOUD BASE INVENTORY SYSTEM - (CBIS)

Your email address... SUBSCRIBE

f t G+ @

CBIS

Home (cont.)

dreamsinterior.tecishsol.com/index.php

YouTube






Venders



18 MAR 2020

Muneeb Javed
Yes Mega Mart
Jhang - TTS Road, Mahmood Abad



11 JUN 2020

Babar Shehzad
MBS-Store
Jhang Road - TTS, Opposite Stadium








SIGN UP TO NEWSLETTER CLOUD BASE INVENTORY SYSTEM - (CBIS)

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CBIS

They key is to have every key, the key to open every door. We will never see them.

Sahel Palace Lahore ☎ (+92) 331 77 62 779 ✉ Contact@CBIS.Com





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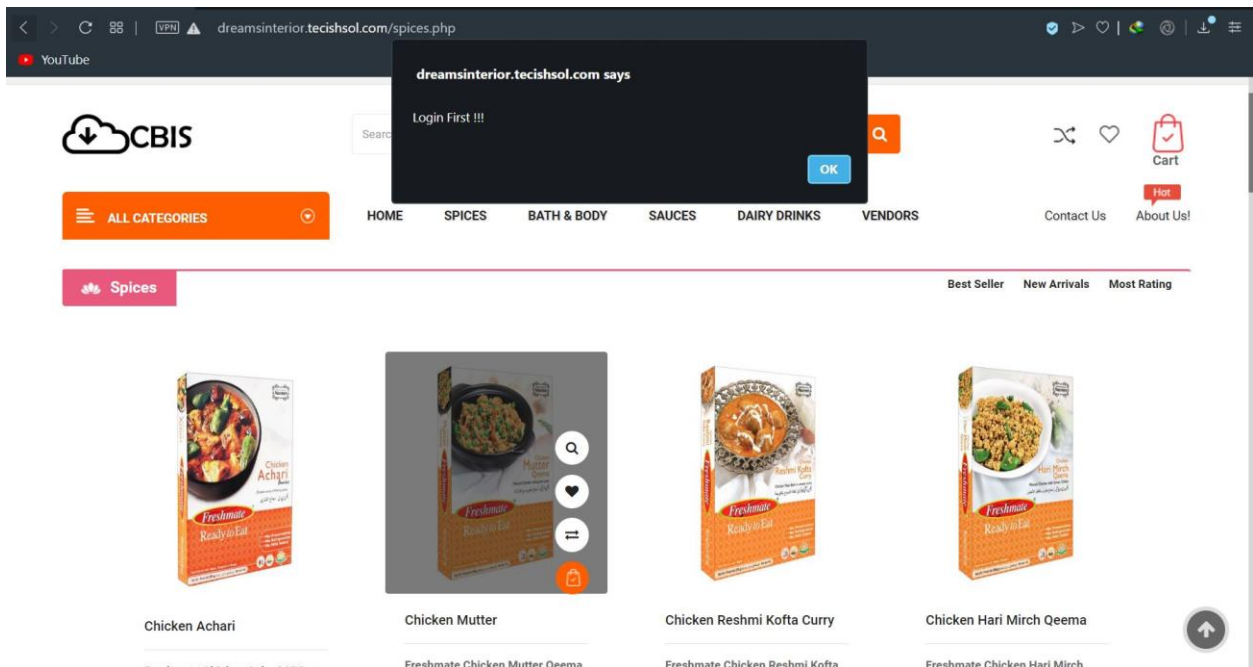








7) Cart



Shopping Cart

Image	Product Details	Category	Quantity	Unit Price	Total
	Hoisin Sauce Razmin Hoisin Sauce, 300ml	Sauces and Pickles	1	425 - PKR	425 - PKR
	Chicken Hara Masala Freshmate Chicken Hara Masala 275gm	Spices	1	368 - PKR	368 - PKR
	Milkpak Milk Nestle Milkpak Milk 250ml	Dairy Drinks	1	38 - PKR	38 - PKR
	Yogurt & Herb Lays Yogurt & Herb Potato Chips 14g	Snacks	1	10 - PKR	10 - PKR

What would you like to do next?

Choose if you have a discount code or reward points you want to use or would like to estimate your delivery cost.

Use Coupon Code ▼

Use Gift Certificate ▼

Sub-Total:	841 - PKR
Eco Tax (-2.00):	20.00 - PKR
VAT (20%):	100.43 - PKR
Total:	961 - PKR

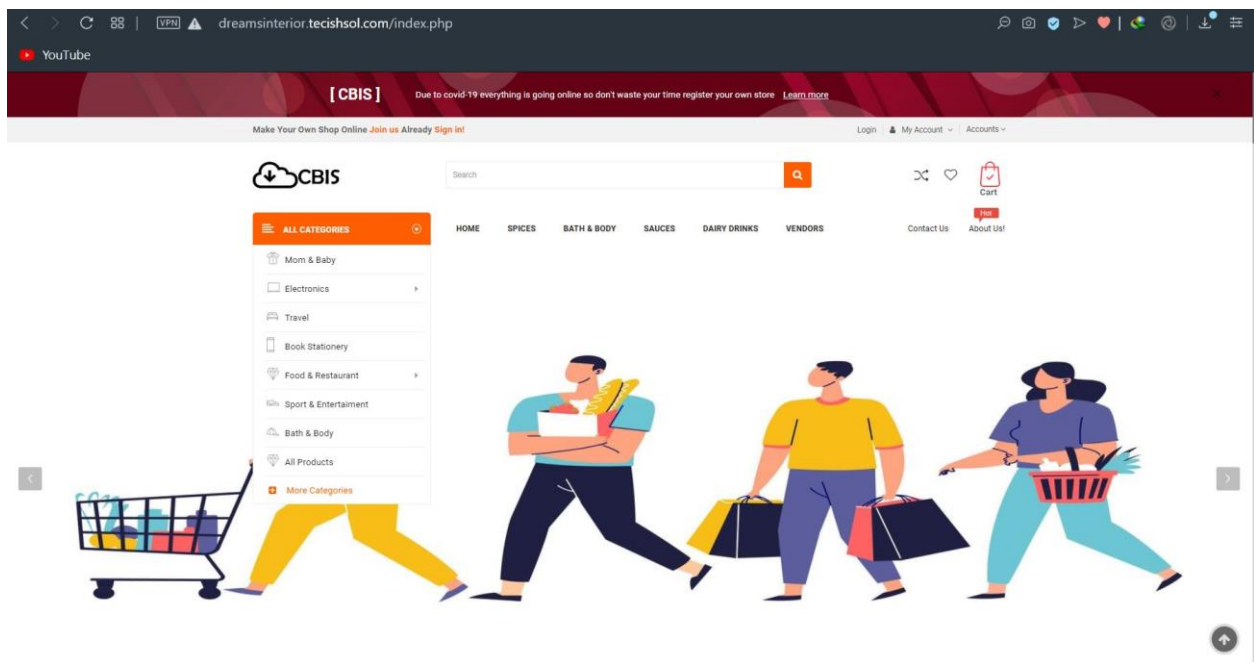
Continue Shopping

CHECKOUT

8) Category

The Category interface displays all the products belonging to the specific category which the user had selected to access the Category page. The user can view those products either in the form of grid, or in the form of list by selecting the mode shown below the Category Name.

This Category interface can be accessed either by selecting a category from the side-bar shown on the “Home” interface, the navigation-bar shown on the header, or by searching the category from the “Search-Bar” shown in the header.



Home (cont.)

Milk & Dairy Drinks

Best Seller New Arrivals Most Rating



Nido Bunyad Milk Powder

Nestle Nido Bunyad Milk Powder, 600g

PKR-500



Nido Fortigrow

Nestle Nido Fortigrow 650g Pouch

PKR-720



Banana Milk

Day Fresh Banana Milk 235ml

PKR-45



Strawberry Milk

Day Fresh Strawberry Milk 235ml

PKR-45

SAVE Rs. 7

Home (cont.)

dreamsinterior.tecishsol.com/sauces.php

[CBIS] Due to covid-19 everything is going online so don't waste your time register your own store [Learn more](#)

Make Your Own Shop Online [Join us](#) Already [Sign in!](#) Login My Account Accounts

CBIS Search

ALL CATEGORIES HOME SPICES BATH & BODY SAUCES DAIRY DRINKS VENDORS Contact Us About Us!

Sauces And Pickles

Best Seller New Arrivals Most Rating



Chilli Sauce

Dipitt Chilli Sauce, 290g

PKR - 125



Hoisin Sauce

Razmin Hoisin Sauce, 300ml

PKR - 425



Sweet Chilli Sauce

Razmin Sweet Chilli Sauce, 300ml

PKR - 380



Oyster Sauce Filipino Style

Razmin Oyster Sauce Filipino Style, 320ml

PKR - 380

9) Search

dreamsinterior.tecishsol.com/search.php

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CBIS Search

ALL CATEGORIES HOME SPICES BATH & BODY SAUCES DAIRY DRINKS VENDORS Contact Us About Us!

Search Result Best Seller New Arrivals Most Rating

Search Result: daal masala



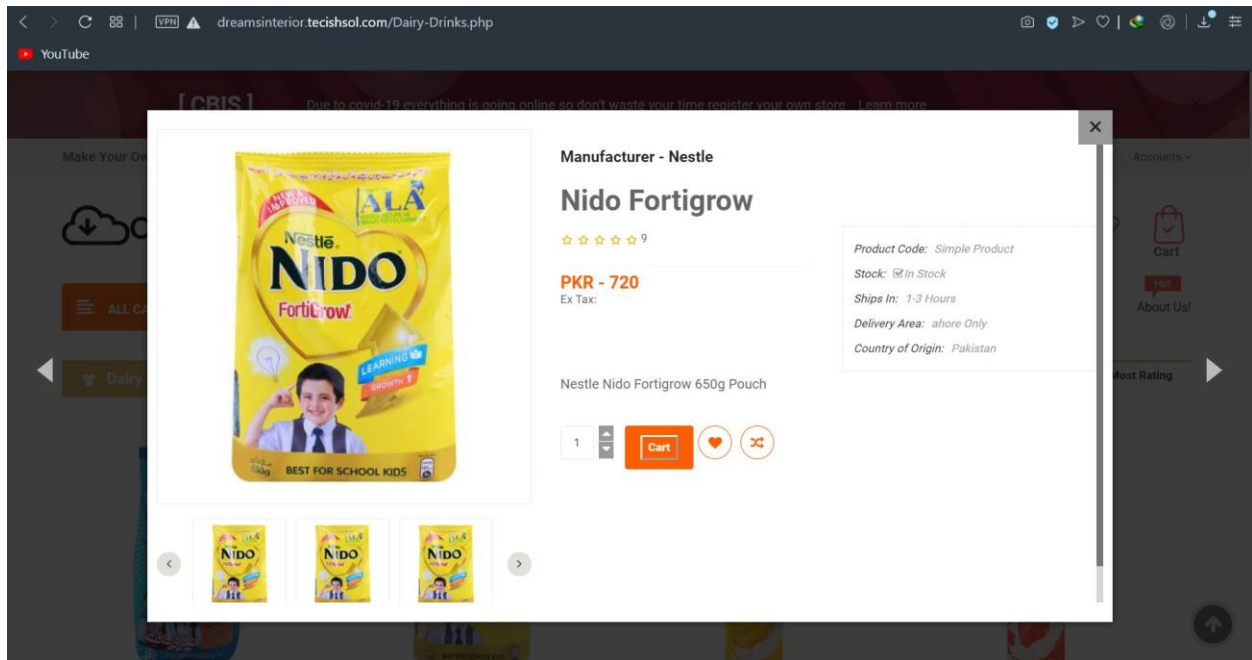
Daal Masala

National Mazedaar Daal Masala Recipe Mix, 23x2g

PKR - 40

10) Details

The Product Detail interface shows the detail and description of one specific product that the user has selected either from the “Home” interface or from the “Category” interface to view. From here, user can add the product to “Wishlist” or “Cart” to consider it later or to place order respectively. The information shown on this interface includes the name, image, color, brand, and the description of the product being considered.



dreamsinterior.tecishsol.com/my.php

My Account

Hello, **Reebal Akram** - To update your account information.

Personal Details

* First Name
Reebal

* Last Name
Akram

* E-Mail
reebal@gmail.com

* Telephone
03317762779

Change Password

* Old Password

* New Password

* New Password Confirm

Newsletter

Subscribe ☐ Yes ☒ No

Shipping Address

* Address
House no 122

* City
Toba Tek Singh

* Post Code
3600

MY ACCOUNT

- Login / Register
- Forgotten Password
- My Account
- Address Book
- Wish List
- Order History
- Downloads
- Recurring payments
- Reward Points
- Returns
- Transactions
- Newsletter

dreamsinterior.tecishsol.com/order.php

[CBIS] Due to covid-19 everything is going online so don't waste your time register your own store [Learn more](#)

Make Your Own Shop Online [Join us](#) Already [Sign in!](#) [Login](#) [My Account](#) [Accounts](#)

CBIS Search

[ALL CATEGORIES](#) [HOME](#) [SPICES](#) [BATH & BODY](#) [SAUCES](#) [DAIRY DRINKS](#) [VENDORS](#) [Contact Us](#) [About Us!](#)

[Order History](#)

Order History

Image	Product Name	Order ID	Qty	Status	Date Added	Total	
	Chicken Hari Mirch Qeema Freshmate Chicken Hari Mirch Qeema 250gm	231	2	Shipped	21/06/2020	772	
	Pears with mint Pears Transparent Soap With Mint Extracts, 125g	240	1	Shipped	21/06/2020	150	
	Super Heavy Duty AAA Batteries Camellion Super Heavy Duty AAA Batteries: 2-Pack: R03P-BP2G	255	10	Shipped	21/06/2020	500	

ACCOUNT

- Login / Register
- Forgotten Password
- My Account
- Address Book
- Wish List
- Order History
- Downloads

11) User Create Account/Login

Users can create their account by submitting the required data in the sign up form. The registered users can then login into their account with their email and password. The user can access this interface by clicking on the “Login” button on the header.

The screenshot shows the CBIS website interface. At the top, there's a navigation bar with the CBIS logo, a search bar, and links for Login, My Account, and Accounts. Below this is a main navigation bar with categories like HOME, SPICES, BATH & BODY, SAUCES, DAIRY DRINKS, and VENDORS. The main content area is divided into three sections: New Customer, Returning Customer, and MY WISH LIST.

New Customer

Register Account

By creating an account you will be able to shop faster, be up to date on an order's status, and keep track of the orders you have previously made.

[CONTINUE](#)

Returning Customer

I am a returning customer

E-Mail Address

Password

[Forgotten Password](#)

[LOGIN](#)

[f](#) [t](#) [G](#) [in](#)

MY WISH LIST

- My Account
- Edit Account
- Password
- Address Book
- Wish List
- Order History
- Downloads
- Recurring payments
- Reward Points

Sign up

dreamsinterior.tecishsol.com/register.php

ALL CATEGORIES

HOME

SPICES

BATH & BODY

SAUCES

DAIRY DRINKS

VENDORS

Contact Us

About Us!

Account > Register

Register Account

If you already have an account with us, please login at the login page.

Your Personal Details

* First Name	First Name
* Last Name	Last Name
* E-Mail	E-Mail
* Address	Address
* City	City
* Telephone	Telephone
* Postal Code	Code

Your Password

* Password	Password
* Password Confirm	Password Confirm

REGISTER ACCOUNT

- Login / Register
- Forgotten Password
- My Account
- Address Book
- Wish List
- Order History
- Downloads
- Recurring payments
- Reward Points
- Returns
- Transactions
- Newsletter

12) Checkout

The user can access this interface by clicking on “Checkout” button from the header. The user can find information related to the Billing information, Shipping information, and Payment information about from here

The screenshot shows the checkout process for the Cloud Base Inventory System (CBIS). The browser address bar indicates the URL is `dreamsinterior.tecishsol.com/checkout.php`.

Checkout

YOUR PERSONAL DETAILS

Reebal Akram

reebal@gmail.com

03317762779

YOUR PASSWORD

YOUR ADDRESS

House no 122

Toba Tek Singh

3600

☒ My delivery and billing addresses are the same.

SHIPPING METHOD

☒ Flat Shipping Rate - PKR - 100

PAYMENT METHOD

☒ Cash On Delivery

DO YOU HAVE A COUPON OR VOUCHER?

Enter coupon code

Enter voucher code

SHOPPING CART (0.00KG)

SUB-TOTAL:	841 - PKR
ECO TAX :	120 - PKR
TOTAL:	961 - PKR

PAYMENT DETAILS

THANK YOU

Your Order is Placed

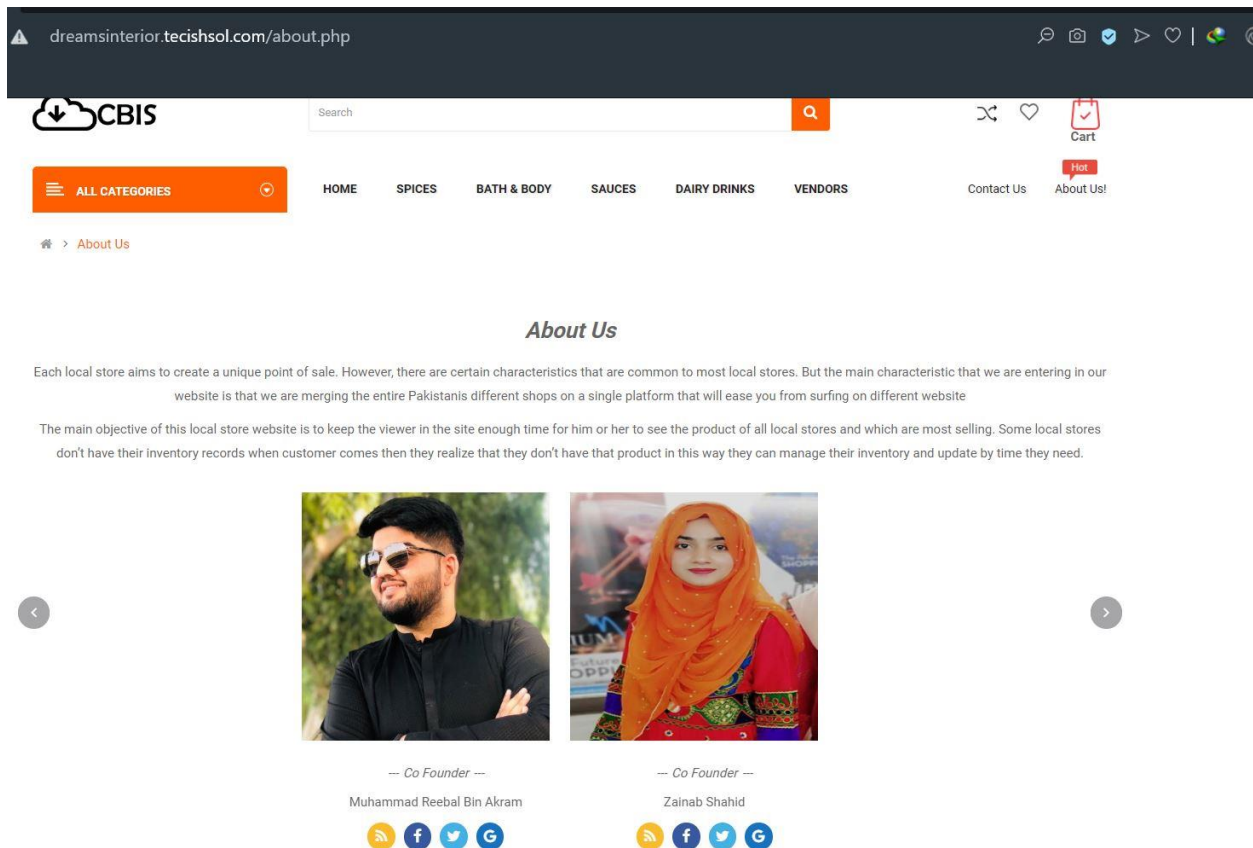
THANK YOU FOR ... SHOPPING

Cloud Base Inventory System - CBIS

☐ I wish to subscribe to the Your Store newsletter
☐ I have read and agree to the Support 24/7 page
☐ I have read and agree to the Warranty And Services

13) About Us

The user can access this interface by clicking on “About Us” button from the footer. From here, the user can read all the information about our website, its ideology and its working

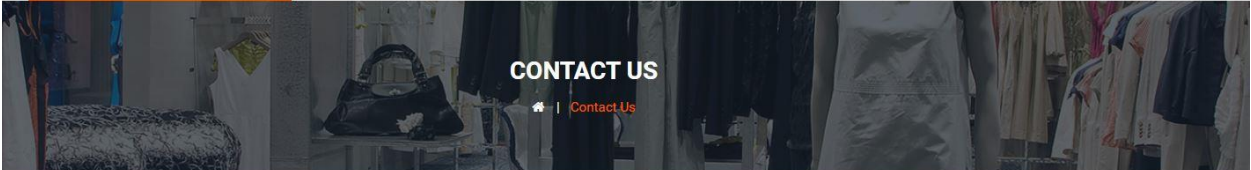


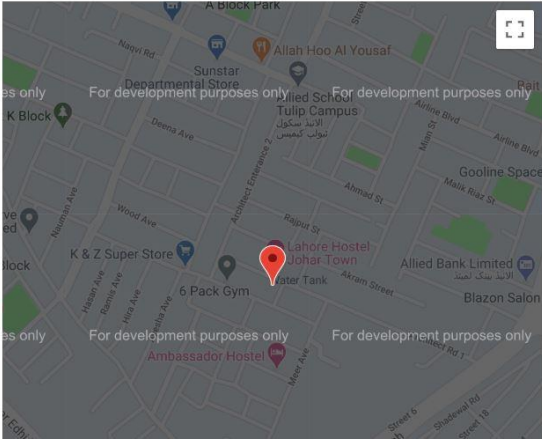
14) Contact Us



[HOME](#)
[SPICES](#)
[BATH & BODY](#)
[SAUCES](#)
[DAIRY DRINKS](#)
[VENDORS](#)

[Contact Us](#)
[About Us!](#)





CONTACT FORM

Cloud Base Inventory System - CBIS

Your Name *

E-Mail Address *

Enquiry *

SUBMIT

Reference and Bibliography

Reference and Bibliography

- [1] M. Sher, M. Rehman, "*Title of the Paper*" Conference name/Journal Name, Edition, Volume, Issue, ISBN/ISSN, PP, Publisher/City-Country, Year.
- [2]

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