

# THE SUPERIOR COLLEGE LAHORE



Faculty of Computer Science & IT

Final Year Project

## PROJECT REPORT (Part-1)

### [Golden Space]

Project ID: [Issued by FYP Manager]

#### Project Team

Muhammad Mughees Khan	Mcsm-F18-030
Muhammad Talha	Mcsm-F18-039
Abdul Rehman	Mcsm-F18-031

#### [Project Supervisor]

([Sir Waqas Ilyas])

(Lecturer)

# Project Report

[Title of Project]

## Change Record

Author(s)	Version	Date	Notes	Supervisor's Signature
	1.0		<Original Draft>	
			<Changes Based on Feedback from Supervisor>	
			<Changes Based on Feedback From Faculty>	
			<Added Project Plan>	
			<Changes Based on Feedback from Supervisor>	

## APPROVAL

---

### PROJECT SUPERVISOR

Comments: \_\_\_\_\_

---

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

---

### PROJECT MANAGER

Comments: \_\_\_\_\_

---

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

---

### HEAD OF THE DEPARTMENT

Comments: \_\_\_\_\_

---

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

### **Dedication**

We dedicate this project report to our family especially our parents and friends

Who have always been our strength throughout our project. Our teachers who

have never left my side and are special, also supported us throughout the process

we also dedicate this project to our project supervisor **Sir Waqas Ilyas** who has

Encouraged and guided us to finish the project successfully on time. All of them

have been our best cheerleaders.

**"If you believe in yourself and have dedication and pride - And never quit, you'll be a winner. The price of victory is high but so are the rewards". - Paul**

**Bryant**

## Acknowledgements

### **In the name of Allah, the Most Gracious and the Most Merciful**

All praises to ALMIGHTY ALLAH, Creator of the Universe, the Powerful Owner of all the Worlds, the Magnificent, the Self Sufficient, the Responder and Answer of all prayers and the Beneficent.

All our love and respect to the **Holy Prophet Hazart Mohammad (P.B.U.H)** who guided us in the light of Holy Quran so that we can distinguish between the righteous and the wrong. Alhamdulillah, all praises to Allah for the strengths and His blessing in completing this project.

I would like to thank God Almighty for giving me the strength, knowledge, ability and opportunity to undertake this research study and to persevere and complete it satisfactorily. Without his blessings, this achievement would not have been possible. In my journey towards this degree, I have found a teacher, a friend, an inspiration, a role model and a pillar of support in my guide. I would like to thank the Superior University and specially my project supervisor, **Sir Waqas Ilyas** for his support and proper guidance to fulfill my final year project. I offer my sincere appreciation for the learning opportunities provided by the university. This report is completely dedicated to all the people who have helped me directly or indirectly to complete this report.

## **Executive Summary**

Golden Space is a website where people can find best places in other city. The basic purpose is that we are informing people about credentials. Purpose of our website is to promote tourism in Pakistan. Customers have liberty to choose their place of their need. Owners can post the notification of his place and the customers view the notification and if he needs the place he will contact to the owner.

## Table of Contents

Dedication .....	iv
Acknowledgements .....	v
Executive Summary .....	vi
Table of Contents .....	vii
List of Figures .....	xi
Chapter 1 .....	1
Introduction .....	1
1.1. Background .....	2
1.2. Motivations and Challenges .....	2
1.3. Goals and Objectives .....	3
• It is easy to find a space. ....	3
• They know how to use this type of website. ....	3
• It will promote to the tourism of Pakistan. ....	3
1.4. Literature Review/Existing Solutions .....	3
1.5. Gap Analysis .....	3
1.6. Proposed Solution .....	3
1.7. Project Plan .....	3
1.7.2. Work Breakdown Structure .....	6
1.7.3. Roles & Responsibility Matrix .....	7
1.7.4. Gantt Chart .....	8
1.8. Report Outline .....	8
Chapter 2 .....	10
Software Requirement Specifications .....	10
2.1. Introduction .....	11
2.1.1. Purpose .....	11

2.1.2. Document Conventions .....	11
This document follows Calibri font and font size 12 pt. Bold-faced text has been used to emphasize section and sub-section headings. Highlighting is to point out words in the glossary. ....	
2.1.3. Intended Audience and Reading Suggestions .....	11
2.1.4. Product Scope .....	12
Scope of the Golden Space is that owners or customers are connect to each other with the help of this website. All the customers can easily find out the places according to their need .Owners and customers sign in their on our website. ....	
• It is easy to find a space. ....	12
• They know how to use this type of website. ....	12
• It will promote to the tourism of Pakistan. ....	12
2.1.5. References .....	12
2.2. Overall Description .....	12
2.2.1. Product Perspective .....	12
2.2.2. Product Functions .....	13
2.2.3. User Classes and Characteristics .....	13
2.2.4. Operating Environment .....	13
2.2.5. Design and Implementation Constraints.....	13
2.2.6. User Documentation .....	14
2.2.7. Assumptions and Dependencies .....	14
2.3. External Interface Requirements .....	14
2.3.1. User Interfaces .....	14
2.3.2. Hardware Interfaces .....	14
2.3.3. Software Interfaces .....	14
2.3.4. Communications Interfaces .....	15
2.4. System Features.....	15
2.4.1. System Feature 1 .....	15



2.4.1.1.	Description and Priority .....	15
2.4.1.2.	Stimulus/Response Sequences .....	16
2.4.1.3.	Functional Requirements .....	16
2.4.2.	System Feature 2 .....	16
2.4.2.1.	Description and Priority .....	16
2.4.2.2.	Stimulus/Response Sequences .....	17
2.4.2.3.	Functional Requirements .....	17
2.4.3.	System Feature 3 (and so on) .....	17
2.5.	Other Nonfunctional Requirements .....	17
2.5.1.	Performance Requirements.....	17
2.5.2.	Safety Requirements.....	18
2.5.3.	Security Requirements.....	18
2.5.4.	Software Quality Attributes.....	18
2.5.5.	Business Rules.....	18
2.6.	Other Requirements.....	19
Chapter 3.....		20
Use Case Analysis.....		20
3.1.	Use Case Model .....	21
3.2.	Fully Dressed Use Cases .....	21
Chapter 4.....		22
System Design .....		22
4.1.	Architecture Diagram.....	23
4.2.	Domain Model.....	23
4.3.	Entity Relationship Diagram with data dictionary .....	23
4.4.	Class Diagram .....	23
4.5.	Sequence / Collaboration Diagram .....	23

---

4.6.	Operation contracts .....	23
4.7.	Activity Diagram.....	24
4.8.	State Transition Diagram .....	24
4.9.	Component Diagram .....	24
4.10.	Deployment Diagram .....	24
4.11.	Data Flow diagram [ <i>only if structured approach is used - Level 0 and 1</i> ].....	24
Chapter 5.....		25
Implementation .....		25
5.1.	Important Flow Control/Pseudo codes.....	26
5.2.	Components, Libraries, Web Services and stubs .....	26
5.3.	Deployment Environment .....	26
5.4.	Tools and Techniques.....	26
5.5.	Best Practices / Coding Standards.....	26
5.6.	Version Control.....	26
Appendices.....		27
Appendix A: Information / Promotional Material .....		28
Appendix [no.]: Appendix Title.....		28
Reference and Bibliography .....		29

## List of Figures

1.1	Caption of first figure of first chapter	6
1.2	Caption of second figure of first chapter	7
2.1	Caption of first figure of second chapter	14
2.2	Caption of second figure of second chapter	22
2.3	Caption of third figure of second chapter	26
5.1	Caption of first figure of fifth chapter	49
5.2	Caption of second figure of fifth chapter	49

## List of Tables

1.1	label of first table of first chapter	6
1.2	label of second table of first chapter	7
2.1	label of first table of second chapter	14
2.2	label of second table of second chapter	22
2.3	label of third table of second chapter	26
5.1	label of first table of fifth chapter	49
5.2	label of second table of fifth chapter	49

# Chapter 1

## **Introduction**

# Chapter 1: Introduction

We are designing a website that's name is "**Golden Space**". Basic purpose of our website is to promote tourism in Pakistan. The basic purpose is that we are informing people about credentials. Hotels and Free spaces are being provide by this website for user requirement and giving them information about beautiful places. We also provide transport information about their location. Website provide these features are

1-Hotel/Free Space Booking

2-Flight Booking

3-Vehicle Booking

4-Eco Tourism

5-Best Food Places

## 1.1. Background

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

## 1.2. Motivations and Challenges

The benefit of this website is that provide the facilities for the tourism. The user know what is vacant and what is the requirements for it and they are only suitable, good and average places depending on your requirement. The website is worth it to save our time.

We provide more features than existing system like food, transport, eco and hostels. We gonna save people time with giving them more information. The current system works manually. The existing system was not very effective. This takes time the existing system was somehow paper-based (paper-work).

### **1.3. Goals and Objectives**

- It is easy to find a space.
- They know how to use this type of website.
- It will promote to the tourism of Pakistan.
- If we get good reviews we will add new feature in this website in future.

### **1.4. Literature Review/Existing Solutions**

When the user come from another country or city they do not find the suitable location for their requirements because of which they have to face considerable difficulties.

Some people cancel or delay their plans because they do not provide facilities according to their requirements and budget. We have to survey the hotels and free spaces one by one. We have to find these recurrences and we do not find a single place depending on our requirement which makes it quite difficult and a lot of time to spare.

### **1.5. Gap Analysis**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

### **1.6. Proposed Solution**

We are giving a platform for customers to choose the space of our need or requirement. The benefit of this website is that provide the facilities for the tourism. The user knows what is vacant and what are the requirements for it and they are only suitable, good and average places depending on your requirement. The website is worth it to save our time.

### **1.7. Project Plan**

- ✓ **Planning**
- Identification of Project Requirements
- Identification of Risks

- Identification of Cost Estimates
- Prepration of Project Charter
- Prepration of Project Plan
- ✓ **Designing**
  - Front end
  - Back end
- ✓ **Implementation**
  - Coding front end
  - Coding back end
- ✓ **Testing**

## **Maintenance**

### **1.7.1. Work Breakdown Structure**

#### **1. Project Management**

- 1.1. Requirements
- 1.2. Roles & Responsibility Matrix
- 1.3. Change Control System

#### **2. Reports / Documentation**

- 2.1. Final Documentation Introduction
- 2.2. Literature / Markey Survey
- 2.3. Requirements Analysis
- 2.4. System Design



2.5. Implementation

2.6. Testing & Performance Evaluation

2.7. Conclusion & Outlook

2.8. End User Documentation

2.9. Application Administration Documentation

2.10. System Administrator Documentation

### **3. System**

3.1. Development Environment

3.1.1. IDE

3.1.2. Version Control

3.1.3. Server

3.1.4. Database

3.2. Presentation Layer

3.2.1. Process

3.3. Business Logic Layer

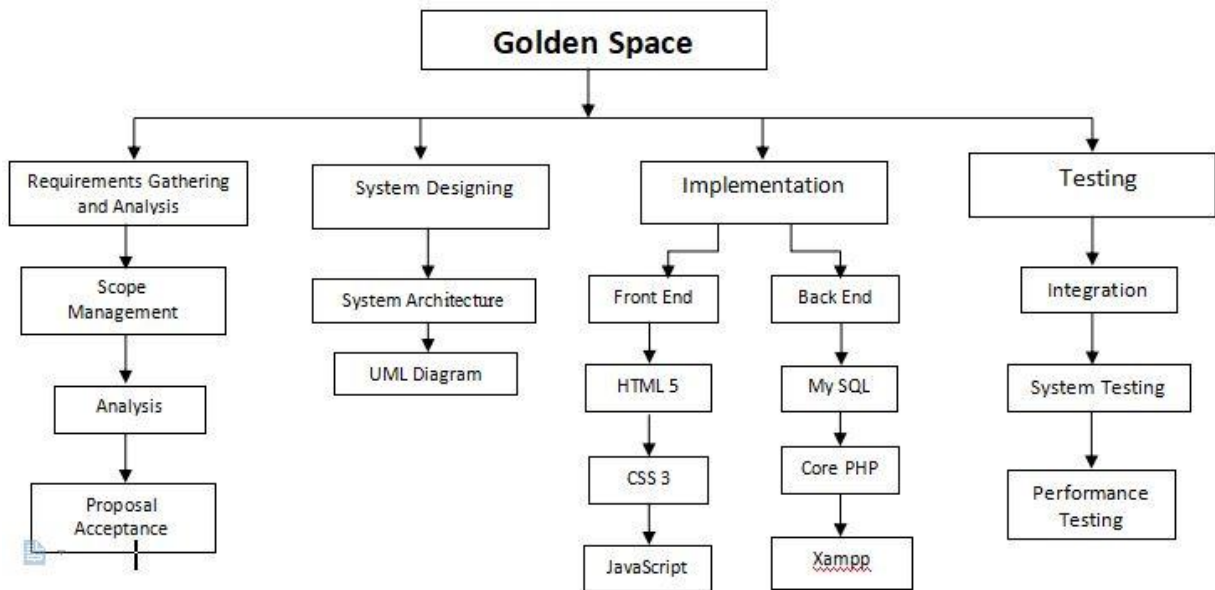
3.3.1. Domain Name

3.3.2. Marketing

3.3.3. Process

3.3.4. Customer request

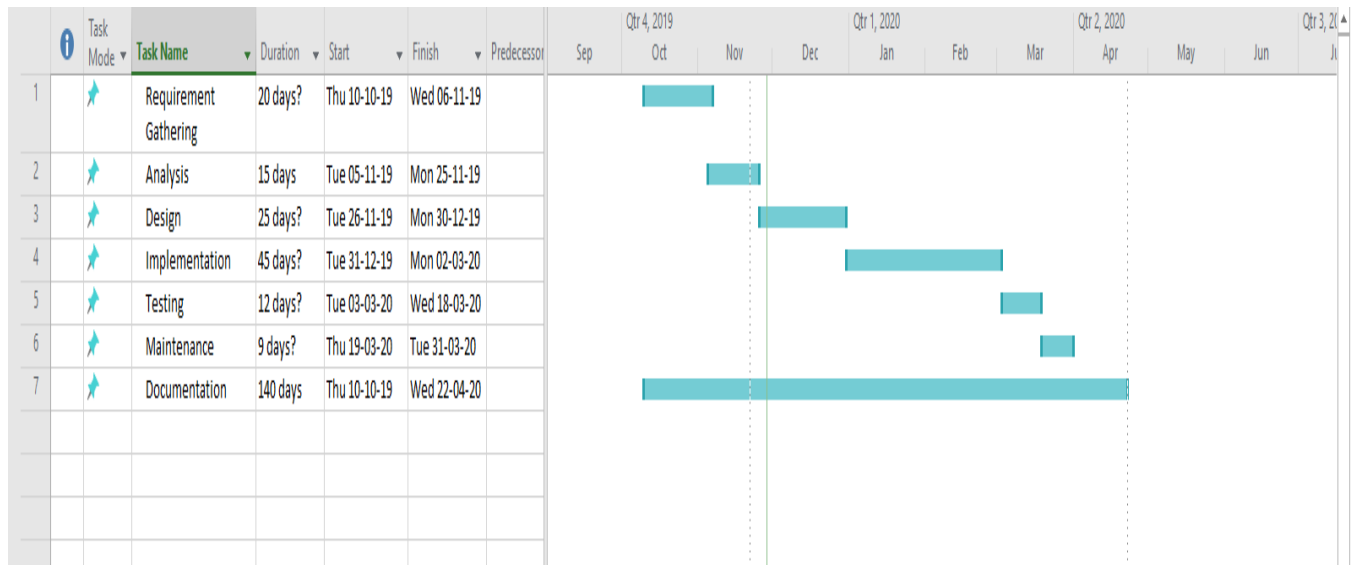
### 1.7.2. Work Breakdown Structure



### 1.7.3. Roles & Responsibility Matrix

Activity WBS #	WBS Deliverable	Activity to Complete the Deliverable	Duration (# of Days)	Responsible Team Member(s) & Role(s)
1	Requirement Gathering	Requirement analysis and put together	20	M.Mughees Khan M.Talha Abdul Rehman
2	Analysis	Project Plan Analysis	15	M.Mughees Khan M.Talha Abdul Rehman
3	Design	Design the architecture of website	25	M.Mughees Khan M.Talha Abdul Rehman
4	Implementation	Make wireframes and done coding	45	M.Mughees Khan M.Talha Abdul Rehman
5	Testing	Testing the whole project	12	M.Mughees Khan M.Talha Abdul Rehman
6	Maintenance	Present Final Report	09	M.Mughees Khan M.Talha Abdul Rehman
7	Documentation	Final Documentation	140	M.Mughees Khan M.Talha Abdul Rehman

### 1.7.4. Gantt Chart



### 1.8. Report Outline

- Introduction
- Background
- Motivations and challenges
- Goals and Objectives
- Literature Review/Existing Solutions
- Gap Analysis
- Proposed Solution
- Project Plan
  - Planning
  - Requirement gathering
  - Finding functional and non-functional requirement
  - Choosing tools and techniques

- Choosing architecture
- People
  - Project sponsor
  - Project manager
  - Project team
  - End user
  - Others
- **Designing**
  - Front end
  - Back end
- **Implementation**
  - Coding front end
  - Coding back end
- **Testing**
  - Black box testing
  - White box testing
  - Gray box testing
  - Website testing
- Maintenance
- Work Breakdown Structure
- Roles & Responsibility Matrix
- Gantt chart

# Chapter 2

## Software Requirement Specifications

## Chapter 2: Software Requirement Specifications

### 2.1. Introduction

#### 2.1.1. Purpose

We are designing a website that's name is "**Golden Space**". Basic purpose of our website is to promote tourism in Pakistan. The basic purpose is that we are informing people about credentials. Hotels and Free spaces are being provide by this website for user requirement and giving them information about beautiful places. We also provide transport information about their location. Website provide these features are

1-Hotel/Free Space Booking

2-Flight Booking

3-Vehicle Booking

4-Eco Tourism

5-Best Food Places

#### 2.1.2. Document Conventions

This document follows Calibri font and font size 12 pt. Bold-faced text has been used to emphasize section and sub-section headings. Highlighting is to point out words in the glossary.

*Int* We are making this document by keeping in mind different types of readers. This document will be useful for different audience in various ways.

#### 2.1.3. Intended Audience and Reading Suggestions

<Describe the different types of reader that the document is intended for, such as developers, project managers, marketing staff, users, testers, and documentation writers. Describe what the rest of this SRS contains and how it is organized. Suggest a sequence for

reading the document, beginning with the overview sections and proceeding through the sections that are most pertinent to each reader type.>

#### **2.1.4. Product Scope**

Scope of the Golden Space is that owners or customers are connect to each other with the help of this website. All the customers can easily find out the places according to their need .Owners and customers sign in their on our website.

- It is easy to find a space.
- They know how to use this type of website.
- It will promote to the tourism of Pakistan.
- If we get good reviews we will add new feature in this website in future.

#### **2.1.5. References**

Coding W3school.com

Typography Google fonts

Graphic designing Pixels.com

Implementation Video Lectures

## **2.2. Overall Description**

### **2.2.1. Product Perspective**

<Describe the context and origin of the product being specified in this SRS. For example, state whether this product is a follow-on member of a product family, a replacement for certain existing systems, or a new, self-contained product. If the SRS defines a component of a larger system, relate the requirements of the larger system to the functionality of this software and identify interfaces between the two. A simple diagram that shows the major components of the overall system, subsystem interconnections, and external interfaces can be helpful.>



### **2.2.2. Product Functions**

<Summarize the major functions the product must perform or must let the user perform. Details will be provided in Section 3, so only a high level summary (such as a bullet list) is needed here. Organize the functions to make them understandable to any reader of the SRS. A picture of the major groups of related requirements and how they relate, such as a top level data flow diagram or object class diagram, is often effective.>

### **2.2.3. User Classes and Characteristics**

<Identify the various user classes that you anticipate will use this product. User classes may be differentiated based on frequency of use, subset of product functions used, technical expertise, security or privilege levels, educational level, or experience. Describe the pertinent characteristics of each user class. Certain requirements may pertain only to certain user classes. Distinguish the most important user classes for this product from those who are less important to satisfy.>

### **2.2.4. Operating Environment**

- First it will operate on internet explorer version 10 called Edge, Google Chrome , Mozilla and others.
- Required good speed of internet Connection at least 1 MB.
- The development is done in Windows 10.

### **2.2.5. Design and Implementation Constraints**

- Major things in this project is time because it will complete within three months.
- We should flow the IEEE standards. We should follow the Agile Process Model.
- Default Language will be English.
- Website will follow the copyright and cyber law of PTA.

### **2.2.6. User Documentation**

- We will give the complete documentation of the project.
- We make call for online help.

### **2.2.7. Assumptions and Dependencies**

- User know English language , so the interface will be provided in English.
- Languages used for developing are: HTML5 , CSS , JavaScript , Core PHP ,

## **2.3. External Interface Requirements**

### **2.3.1. User Interfaces**

<Describe the logical characteristics of each interface between the software product and the users. This may include sample screen images, any GUI standards or product family style guides that are to be followed, screen layout constraints, standard buttons and functions (e.g., help) that will appear on every screen, keyboard shortcuts, error message display standards, and so on. Define the software components for which a user interface is needed. Details of the user interface design should be documented in a separate user interface specification.>

### **2.3.2. Hardware Interfaces**

<Describe the logical and physical characteristics of each interface between the software product and the hardware components of the system. This may include the supported device types, the nature of the data and control interactions between the software and the hardware, and communication protocols to be used.>

### **2.3.3. Software Interfaces**

<Describe the connections between this product and other specific software components (name and version), including databases, operating systems, tools, libraries, and integrated commercial components. Identify the data items or messages coming into the system and going out and describe the purpose of each. Describe the services needed and the nature of

communications. Refer to documents that describe detailed application programming interface protocols. Identify data that will be shared across software components. If the data sharing mechanism must be implemented in a specific way (for example, use of a global data area in a multitasking operating system), specify this as an implementation constraint.>

### **2.3.4. Communications Interfaces**

<Describe the requirements associated with any communications functions required by this product, including e-mail, web browser, network server communications protocols, electronic forms, and so on. Define any pertinent message formatting. Identify any communication standards that will be used, such as FTP or HTTP. Specify any communication security or encryption issues, data transfer rates, and synchronization mechanisms.>

## **2.4. System Features**

<This template illustrates organizing the functional requirements for the product by system features, the major services provided by the product. You may prefer to organize this section by use case, mode of operation, user class, object class, functional hierarchy, or combinations of these, whatever makes the most logical sense for your product.>

### **2.4.1. System Feature 1**

<Don't really say "System Feature 1." State the feature name in just a few words.>

#### **2.4.1.1. Description and Priority**

<Provide a short description of the feature and indicate whether it is of High, Medium, or Low priority. You could also include specific priority component ratings, such as benefit, penalty, cost, and risk (each rated on a relative scale from a low of 1 to a high of 9).>

#### **2.4.1.2. Stimulus/Response Sequences**

<List the sequences of user actions and system responses that stimulate the behavior defined for this feature. These will correspond to the dialog elements associated with use cases.>

#### **2.4.1.3. Functional Requirements**

<Itemize the detailed functional requirements associated with this feature. These are the software capabilities that must be present in order for the user to carry out the services provided by the feature, or to execute the use case. Include how the product should respond to anticipated error conditions or invalid inputs. Requirements should be concise, complete, unambiguous, verifiable, and necessary. Use “TBD” as a placeholder to indicate when necessary information is not yet available.>

<Each requirement should be uniquely identified with a sequence number or a meaningful tag of some kind.>

REQ-SF1-1: <Write your requirement here>

REQ-SF1-2:

REQ-SF1-3:

### **2.4.2. System Feature 2**

<Don't really say “System Feature 1.” State the feature name in just a few words.>

#### **2.4.2.1. Description and Priority**

<Provide a short description of the feature and indicate whether it is of High, Medium, or Low priority. You could also include specific priority component ratings, such as benefit, penalty, cost, and risk (each rated on a relative scale from a low of 1 to a high of 9).>

#### **2.4.2.2. Stimulus/Response Sequences**

<List the sequences of user actions and system responses that stimulate the behavior defined for this feature. These will correspond to the dialog elements associated with use cases.>

#### **2.4.2.3. Functional Requirements**

<Itemize the detailed functional requirements associated with this feature. These are the software capabilities that must be present in order for the user to carry out the services provided by the feature, or to execute the use case. Include how the product should respond to anticipated error conditions or invalid inputs. Requirements should be concise, complete, unambiguous, verifiable, and necessary. Use “TBD” as a placeholder to indicate when necessary information is not yet available.>

<Each requirement should be uniquely identified with a sequence number or a meaningful tag of some kind.>

REQ-SF2-1:

REQ-SF2-2:

REQ-SF2-3:

#### **2.4.3. System Feature 3 (and so on)**

### **2.5. Other Nonfunctional Requirements**

#### **2.5.1. Performance Requirements**

<If there are performance requirements for the product under various circumstances, state them here and explain their rationale, to help the developers understand the intent and make suitable design choices. Specify the timing relationships for real time systems. Make such requirements as specific as possible. You may need to state performance requirements for individual functional requirements or features.>

### **2.5.2. Safety Requirements**

<Specify those requirements that are concerned with possible loss, damage, or harm that could result from the use of the product. Define any safeguards or actions that must be taken, as well as actions that must be prevented. Refer to any external policies or regulations that state safety issues that affect the product's design or use. Define any safety certifications that must be satisfied.>

### **2.5.3. Security Requirements**

<Specify any requirements regarding security or privacy issues surrounding use of the product or protection of the data used or created by the product. Define any user identity authentication requirements. Refer to any external policies or regulations containing security issues that affect the product. Define any security or privacy certifications that must be satisfied.>

### **2.5.4. Software Quality Attributes**

<Specify any additional quality characteristics for the product that will be important to either the customers or the developers. Some to consider are: adaptability, availability, correctness, flexibility, interoperability, maintainability, portability, reliability, reusability, robustness, testability, and usability. Write these to be specific, quantitative, and verifiable when possible. At the least, clarify the relative preferences for various attributes, such as ease of use over ease of learning.>

### **2.5.5. Business Rules**

<List any operating principles about the product, such as which individuals or roles can perform which functions under specific circumstances. These are not functional requirements in themselves, but they may imply certain functional requirements to enforce the rules.>

## **2.6. Other Requirements**

<Define any other requirements not covered elsewhere in the SRS. This might include database requirements, internationalization requirements, legal requirements, reuse objectives for the project, and so on. Add any new sections that are pertinent to the project.>

# Chapter 3

## Use Case Analysis



## Chapter 3: System Analysis

- We provide more features than existing system like food, transport, eco and hostels.
- We gonna save people time with giving them more information.
- The current system works manually.
- The existing system was not very effective.
- This takes time the existing system was somehow paper-based (paper-work).

### 3.1. Use Case Model

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

### 3.2. Fully Dressed Use Cases

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

# Chapter 4

## System Design

## Chapter 4: System Design

This chapter describe about the system design of our website it will include the different type of diagrams. System design shows how the system interacts and collaborate with its module to the user and also a developer . The project team can easily identify an error in the system before deploy to the end user. These are eleven different type of diagrams of software engineering which we are using for detailed design of our website project

**“online classified website”**

### 4.1. Architecture Diagram

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

### 4.2. Domain Model

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

### 4.3. Entity Relationship Diagram with data dictionary

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

### 4.4. Class Diagram

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

### 4.5. Sequence / Collaboration Diagram

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

### 4.6. Operation contracts

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

## **4.7. Activity Diagram**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

## **4.8. State Transition Diagram**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

## **4.9. Component Diagram**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

## **4.10. Deployment Diagram**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

## **4.11. Data Flow diagram [*only if structured approach is used - Level 0 and 1*]**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

# Chapter 5

## Implementation

## **Chapter 5: Implementation**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

*[Between 4 to 8 lines describe what is this chapter all about]*

### **5.1. Important Flow Control/Pseudo codes**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

### **5.2. Components, Libraries, Web Services and stubs**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

### **5.3. Deployment Environment**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

### **5.4. Tools and Techniques**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

### **5.5. Best Practices / Coding Standards**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

### **5.6. Version Control**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

# Appendices

## **Appendix A: Information / Promotional Material**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

*[Between 4 to 8 lines describe what is this appendix all about]*

### **A.1. Broacher**

### **A.2. Flyer**

### **A.3. Standee**

### **A.4. Banner**

### **A.5. First Level heading [16 pt, Calibri, Bold, Left aligned]**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

#### **A.5.1. Second level heading [14 pt, Calibri, Bold, Left aligned]**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

##### **A.1.1.1. Third level heading [12 pt, Calibri, Bold, Left aligned]**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

## **Appendix [no.]: Appendix Title**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

*[Between 4 to 8 lines describe what is this chapter all about]*

### **A.1. First Level heading [16 pt, Calibri, Bold, Left aligned]**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]



### **A.1.1. Second level heading [14 pt, Calibri, Bold, Left aligned]**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

#### **A.1.1.2. Third level heading [12 pt, Calibri, Bold, Left aligned]**

[Paragraph Text 12 pt, Calibri, 1.5 Line Spacing, Justified]

# 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] .....