Vocational Training Authority Sri Lanka

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Event Planning Management System

Software Requirement Specification

System Analysis and Design Project 2022

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Date of submission

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Revision History

Name	Date	Reason For Changes	Version

1.Introduction.

1.1 Purpose

SRS is the agreement document between the Client and the Software Developer. If the SRS is written well, it will serve the following purposes.

Feedback to the customer - This software requirement specification assures the project management team and client that the development team has really understand the business requirements documentation properly.

This also provides confidence that the team will develop the functionally which has been detailed.

Breaking the Requirements Down - This document is document in such a way that it breaks the deliverables into smaller components which makes the participants in this project to understand what is to be done clearly.

Understanding what order the functionality will be developed means that developers will have the "BIG PICTURE" view of the development.

This gives us an opportunity to plan ahead which saves both PROJECT TIME and COST.

Facilitating Other Documentation - The SRS forms the basis for a load of other important documents such as the Software Design Specification.

Product Validation - It basically helps in validating with the client that the product which is being delivered meets what that they asked for.

That means the product we have produced is equal to the standards of the documentation in the SRS which the client satisfied and agreed on.

Characteristics of a Software Requirement Specification

1.1.1 Accuracy

We will ensure the accuracy of the Software and the data entered to the database.

1.1.2 Clarity

This SRS will be clearly stating what the user wants in the software.

1.1.3 Completeness

The SRS contains all the requirements stated in the business requirements documentation that the user specified.

1.1.4 Consistency

The document is consistent from beginning till the end. It helps the readers understand the requirements well.

1.1.5 Prioritizations of Requirements

The requirements will be full filed according to the order of priority and preference.

1.1.6 Verifiability

At the end of the project the user/client will be able to verify that all the agreed deliverables have in fact been produced and meet the project management requirements specified.

1.1.7 Modifiability

The SRS can be modified when the development team and user feel more things.

1.1.8 Traceability

Each requirement stated in the SRS is uniquely associated to a source such as a use case or interaction document etc.

1.2 Document of Conventions

This document is prepared by using Microsoft Word 2011 and has used the font type "CALIBRI". The fixed font size that has been used to type this document is **11pt,** 12**pt** and **14pt** with **1.15 line spacing.** It has used the **bold property**, **underline for main topics** and **black font color for sub topics.** All the pages except the cover page are numbered and the numbers appear on **the lower Lefthand corner** of the page. Every image and data table are numbered and referred to the main text.

Use case scenario is written accordingly to Alistair Cockburn's template. Standard IEEE template is the template used to organize the appearance of the document and its flow.

1.3 Intended Audience and Reading Suggestions

The intended audience of this document would be the client and project team, Supervisors with the objective to refer and analyze the information.

The SRS document can be used in any case regarding the requirements of the project and the solutions that have been taken.

1.4 Product Scope

Properly organize the event from the moment it is intended to be organized. To build the connection between other services, needs and wants, and to provide clients with an innovative experience and sophisticated festive experience with the necessary materials and accessories. This will enable the users of this system to organize the activities related to this event efficiently and with less effort. The event will not be a physical event but will be guided accordingly. It is the responsibility of the customer to make all the choices. Management System has different event needs, so we design exclusive Event Management System. This is designed to assist in strategic planning and it will help to ensure that your organization is equipped with the right level of information and details of your future goals. Also, for those busy executive who are always on the go, our system come with remote access features, which will allow you to manage your workforce anytime. This system will ultimately allow you to better manage resources

1.5 References

[2]Lauesen, S, (2003), Task Descriptions as Functional Requirements, IEEE Computer Society, Available:http://www.itu.dk/~slauesen/Papers/IEEEtasks.pdf

2.Overall Description

2.1 Production Perspective

Event planning is a normally manual procedure. Nowadays people are really busy and they all are converting to new generation. The new generation moving forward with the new technologies. Their main goal is to save them time, money and labor. So majority have resorted to adopting new techniques. With that reason we decide to introduce a new technical system for event planning and management. Using our system, able to organize the activities relevant to the occasion efficiently and with less effort. This will very useful for to the busy environment.

The fully functional automated Online Planning Event management system which will be developed through this project will eliminate the disadvantages caused by the manual system by improving the reliability, efficiency and performances. The usage of a database to store customer, employs, stock details etc. will accommodate easy access, retrieval, search and manipulation of data. The access limitations provided through access privilege levels will enhance the security of the system.

2.2 Production functions

Theme Management

- Select Event Theme
- Arrangements Management
- Users Feedback & Rating Management

Hotel & Location Management

- Schedule of Hotel or Location
- Details of Location
- Package details
- Arrangement Management
- Users Feedback & Rating Management

Food Menu Management

- Food Menu Approval
- Food Details Management
- Users Feedback & Rating Management

Service Management

- Schedule of Service Suppliers
- Billing calculations
- Users Feedback & Rating Management

Budget Management

- Billing calculations
- Generate & Send User Report

Event Management

- Select Events
- Select Games
- Arrange Time Schedule
- Users Feedback & Rating Management

User Profile Management

- Create New User Profile
- Edit User Profile
- Enter user Details

Gift Item management

- Select Gift Item
- Billing calculations
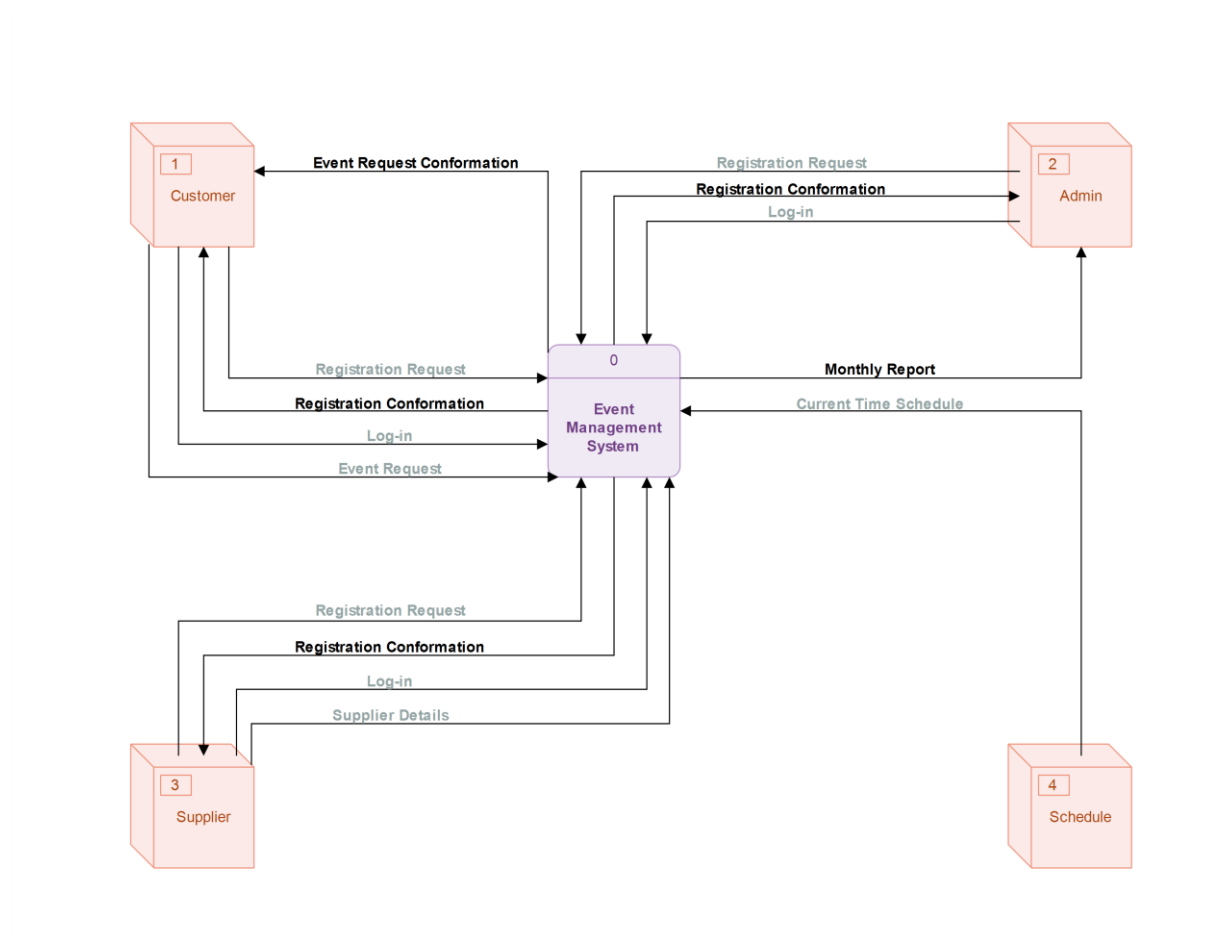- Users Feedback & Rating Management

2.3

Figure 2.2.1

2.3 User Classes and Characteristics

- **Admin**

Admin has the full access to the system which means the is able to mange any activity with regard to the system. He is the highest privileged user who can access to the system.

Key Functions

- ✓ Manage customers, Arrangements, food, equipment, halls and food quantities.
- ✓ Allocate resources.
- ✓ Administer the charges.
- ✓ Generate reports.
- ✓ Mange service suppler.
- ✓ Manage customers.

- **Service Suppler**

Interacts with the systems most often to supply service to customers.

Key Functions

- ✓ Key track of customer details.
- ✓ Keep track of bookings.
- ✓ Keep track of customer progress
- ✓ Maintain bill details.
- ✓ Management inventory.

2.4 Operating Environment

Software Requirements.

- Front End   : Visual Studio .NET 2013 Professional Word 2019
- Back End   : Microsoft SQL Server 2014 Developer Edition
- Operating system   : WINDOWS 10
- Frame work   : .NET 4.5 & above

Hardware Requirements.

- I3
- 4GB
- 1TB

2.5 Design & Implementation Constraints

- System is wirelessly networked with an encryption.
- System is only accessible within the hospital premise only.
- Database is password protected.
- Should use less RAM & processing power.
- Each user should have individual ID & password.
- Only administrator can access the whole system.

2.6 User Documentation

As a part of the system itself a user documentation is provide to the customers which gives an over view of the system. It will include the full description about the product & complete orderly followed steps to install the software. The users will get the opportunity to use the system without having any trouble. The user manual will include the email address to contact us in need.

2.7 Project Documentation

Software Life Cycle Phase	Documentation	Intended Activities
Requirement Gathering, Analysis and Specification	• Project charter • Project proposal • Software requirement and Specification. (SRS)which includes. ✓ Entity relational diagram. ✓ Data flow Diagram. ✓ Use case diagram. ✓ Use case scenarios	Includes the customers expected software features, constrains, interfaces and other attributes. Moreover, the objective & the benefits gained through the system are clearly specified.
Software Design	• Software design description (SDD)	Describes the logical basis of design decisions taken & how it will give way in acquiring the requirement of the customer through the software.
Implementation	• Technical Documentation	Contains information regarding the implementation of the system using the programming concepts.
Software Testing	• Software test Documentation (STD)	Includes information degrading testing procedures to validate & verify the software results. Main types of techniques are unit testing, integration testing, system testing & acceptance testing.
Maintenance	• User Documentation	Includes manuals for the end user according to their position of action levels.

2.8 Assumptions and Dependencies

• Each user must have a valid user id and password.
• Sever must be running for the system to function.
• Users must log in to the system to any record.
• Only the Administrator can delete records.

3.Exterenal Interface Requirements

3.1 User Interfaces
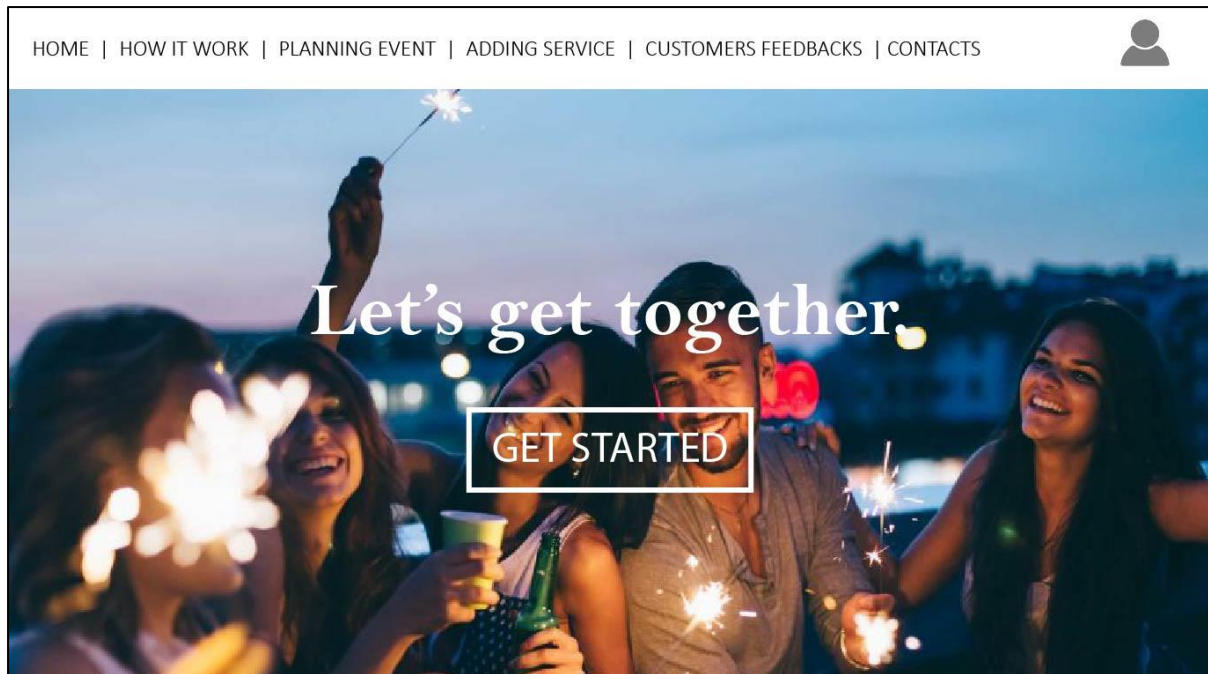
First Name

Last Name

Birthday

Address

Tell No.

E-mail

Create Password

Conform Password

SUBMIT

VERIFY PROFILE

Enter Verification OTP Code _ _ _ _ _ _

CONFORM

Congrats!

, Your account is created!

OK

Upload

File upload success

OK
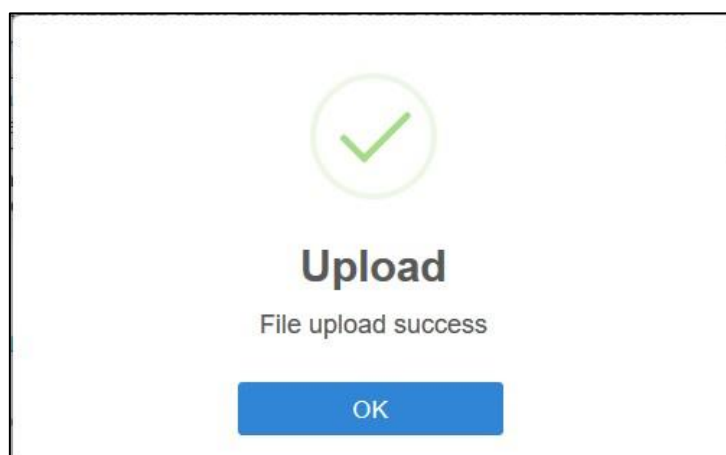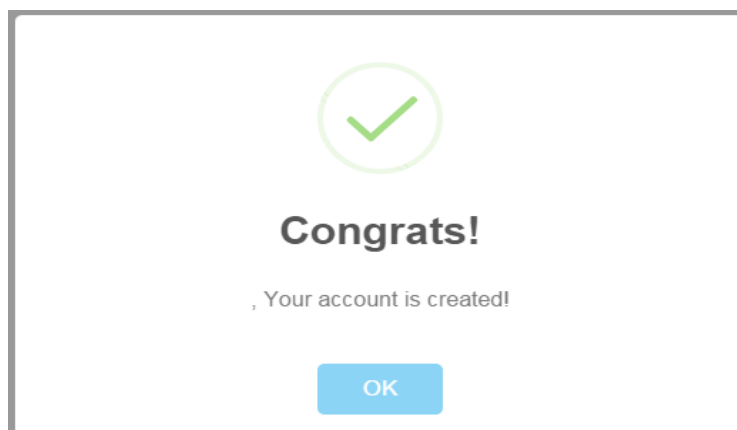
Create WorkPlace

Event Name

Date

School / Organization Name

Batch

Batch Year

Organizeing Members Name

Contact Number

+

Number of participation

Province

Districte

Uplord Logo

Drag and drop Files Here to Upload

Or Select Files to Upload

CANCEL   CREATE

|Seach

HOTELS & LOCATION

THEAMS (IN / OUT)

ENTERTATEMENT PROGRAMS

PROGRAM EVENTS

CATERING

PHOTOGRAPHIC

- Hotels & Location
- DJ
- Entertetment Programs
- Programs Events
- Catering Services
- Photografic
- Teams
- Sounds
- Welcome
- Oil Lamp
- Decorations
- Flora
- Gift Items
- Ticket
- Transport
- Dresscode
- TimeShedule Arrange

3.2 Hardware Interfaces

- **Laptop/Desktop PC**
    - Core i3 processor
    - 4GB ram
    - 500GB HDD

    Purpose of this pc is to give information when customer ask information about bookings, arrangement, service suppliers details etc. To perform such action, it needs very efficient computer otherwise due to that reason customer have to wait for a long time to get what they ask for.

- **Wi-Fi router**

    Wi-Fi router is used for internet work operations inside of a office and simple data transmission from pcs to server.

3.3 Software Interface.

Developing End

- Java Script
- Front end: PHP my admin
- Back end: WordPress
- MySQL server- DB connectivity and management.
- Adobe Photoshop- logo and other designing.

Client End

- Windows-OS or Android-OS

3.4 Communication Interfaces

The web system shall use the HTTPS protocol for communication over the internet and for the intranet communication.

TCP/IP PROTOCOL- internet service provider to access and share information over the internet.

ETHERNET COMMUNICATIONS INTERFACE- Ethernet is a frame-based computer network technology for local area networks (LAN).
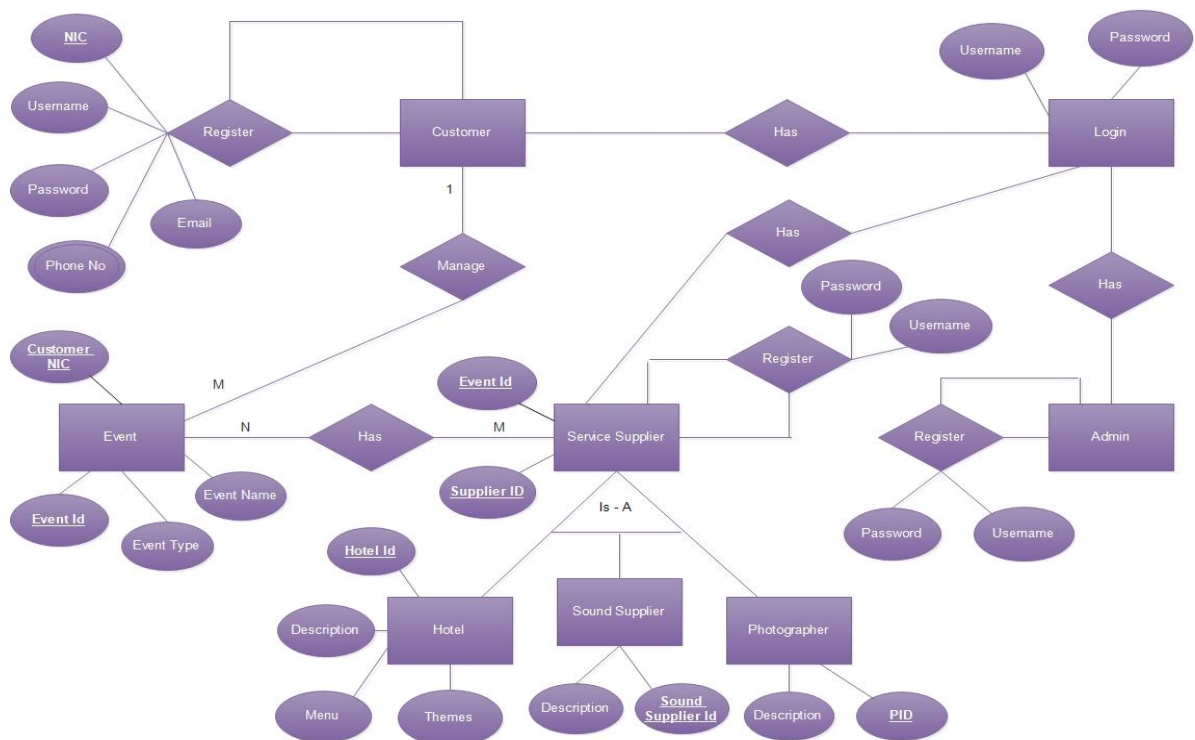
UBIQITORS- easy to set up and easy to use, low cost and high data transmission rates

4. System Features

USE CASE Diagram

Event Planning Management System
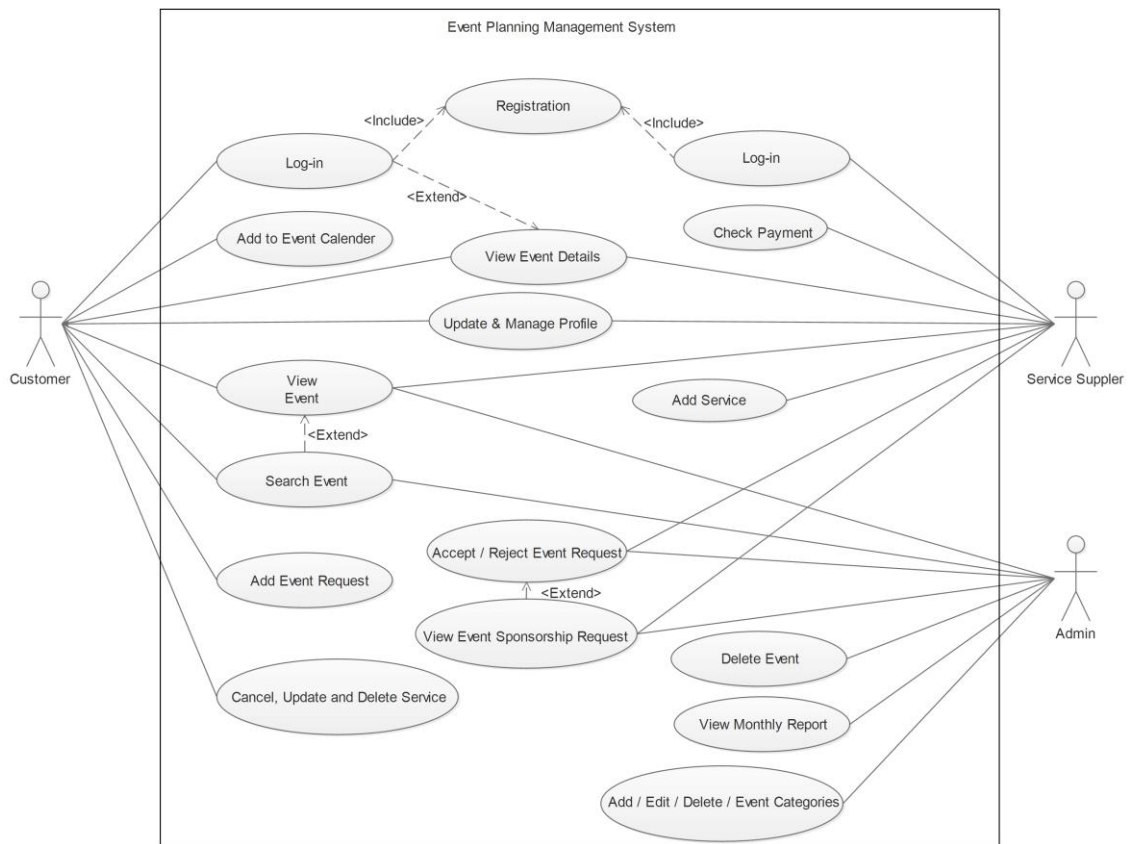
ER Diagram

5. Other Nonfunctional Requirements

5.1 Performance Requirements

- No delayed actions in system
    - Quick load time between pressing login button and being logged in.
    - General quick load times for any page submission and page loading.
- Keep performance with multiple simultaneous connections.
- Our System will store an adequate number of Events, Users, and Registrations.

5.2 Safety Requirements

We have taken two steps to prevent data damaged on the system for any reason.

- Update all data added to the system in google drive.
- Maintaining another database in addition to the existing database in the system.

5.3 Security Requirements

- We introduce different kind of interfaces for our system users. Therefore, they only can access some allowed activities of the system. With that reason they can't damage or change valuable data and information of the system.

5.4 Software Quality Attributes

- **Availability:** System service will be available 24 hours a day.
- **Maintainability:** System will be able to modify information, updates and fix problems of the system.
- **Usability:** Software can be used again and again.
- **Accessibility**: Every system users having their own work scope. They cannot able to access and edit other information and details.
- **Reliability:** The system always works to provide an effective service to the users of the system.
- **Stability:** The system has the ability to give each user the required output for the desired input.

5.5 Business Rules

- We are not able to responsible for hardware failures malfunctioning.
- The warranty will be available for one year.
- Additional payments will be analyzed and charged for further maintenance
- If any error occurs due to a user's improper use, warranty will not be allocated to it.
- Must comply with the terms of the agreement within the agreed time frame.
- No money back returns for the software. If there are any issue, we will be able to solve that problem without any charge in warranty period.