Final Project

Hospital Final project

Harjot singh

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# Project Proposal

# Project Introduction and Overview

This project is based on the Hospital. In this ASP.net project there are one type of account is user. User can add, edit, delete, and access details of the hospitals. Users can also edit, delete, and access details of hospitals. Only registered user can register new users.

# Project Specifications

## Project Goal

The main goal of this project is to implement an online web application using Asp.Net. The name of this web application will be “Hospital Final Project” . User can manage candidates by adding, editing, deleting, and checking details.

## Scope

The main goal of this application is to implement a Hospital project. This project is for 4 weeks.

# Project Specifications

* Secure login and registration for the patients.
* Secure login and user registration for users.
* User can edit, delete, and access details of hospitals.

## Target Audience

The main target audience for this project will the people who are admitted in hospital.

# Project Plan

## Project Deliverables

|  |  |
| --- | --- |
| **Deliverable** | **Description** |
| Project Planning | This document. Introduces the project and elaborates its details and requirements. |
| Project Coding | The application being made. Marking will be based on the GUI, functionality, implementation, and testing. |
| Implementation Details | This document elaborates on the projects details as well as its analysis, design, and implementation. |
| Final Documentation and Report | This includes the final documentation of the project. |

## Project Tasks and Milestones

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project Stages | Major Activities | Week-1 | | | | Week-2 | | | | | Week-3 | | | | | | Week-4 | | | | |
| Planning | Technology Research |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| First Meeting |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Project Proposal and Documentation |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Phase -1 | Database Design |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| User Interface Design |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Phase-2 | Identity framework implementation |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| User Implementation |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
|  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Testing |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Final Phase | Final Documentation |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |

## Resources Required

* Microsoft office, excel
* Identity framework
* Asp.Net framework
* Windows Operating System 10 64-bit Processors
* 8 GB or more RAM.

## Project Risks and Assumptions

* Project can take more time than estimation
* It is not feasible to perform all types of testing.

# Project Report

## Aim and Introduction

The project aims to introduce a Hospital Project web application which will help Patients to find hospitals easily.

# Analysis

### Functional and Non-Functional

The functional requirements of this project are divided into types.

|  |  |
| --- | --- |
| **Users** | **Functional Requirements** |
| **User** | * Login/logout * Register new user * Manage * Delete * View Hospitals |
| **User** | * User can add new hospitals, edit, delete, and check details of the existing ones. |

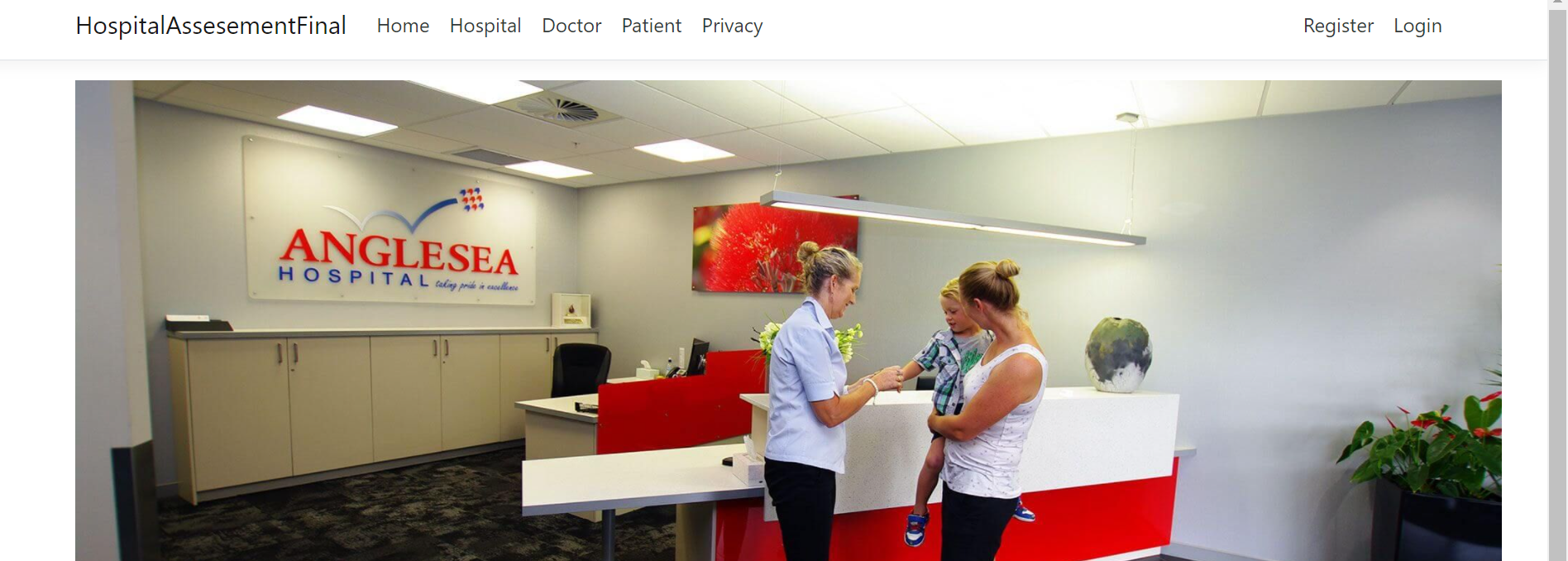
### Non-Functional

|  |  |
| --- | --- |
| **Operational** | * The system should able to run on all web browsers and accessible via mobiles |
| **Security** | * Only Users have full access to the system. |

# Design

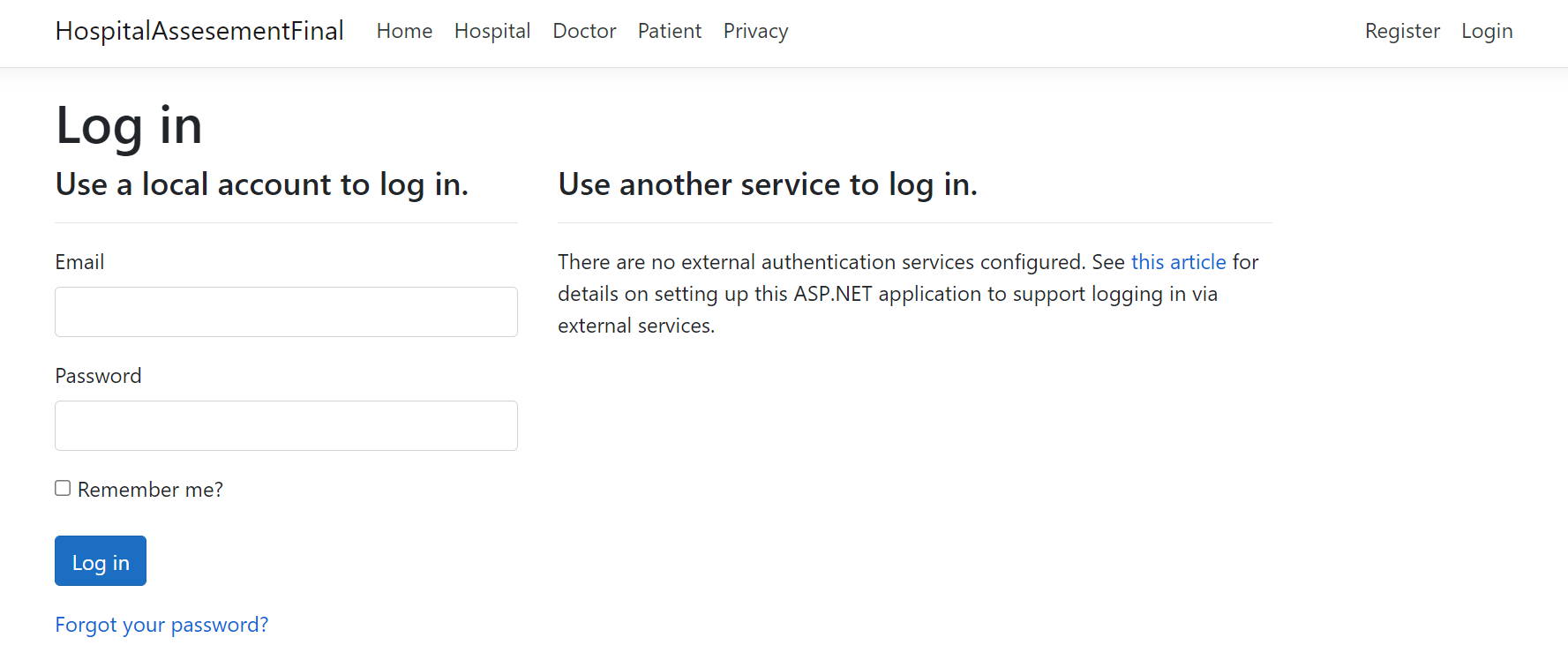
**Home Page**

This is the landing page of the web app. It consists- Home, hospital, doctor, patient, register and login.



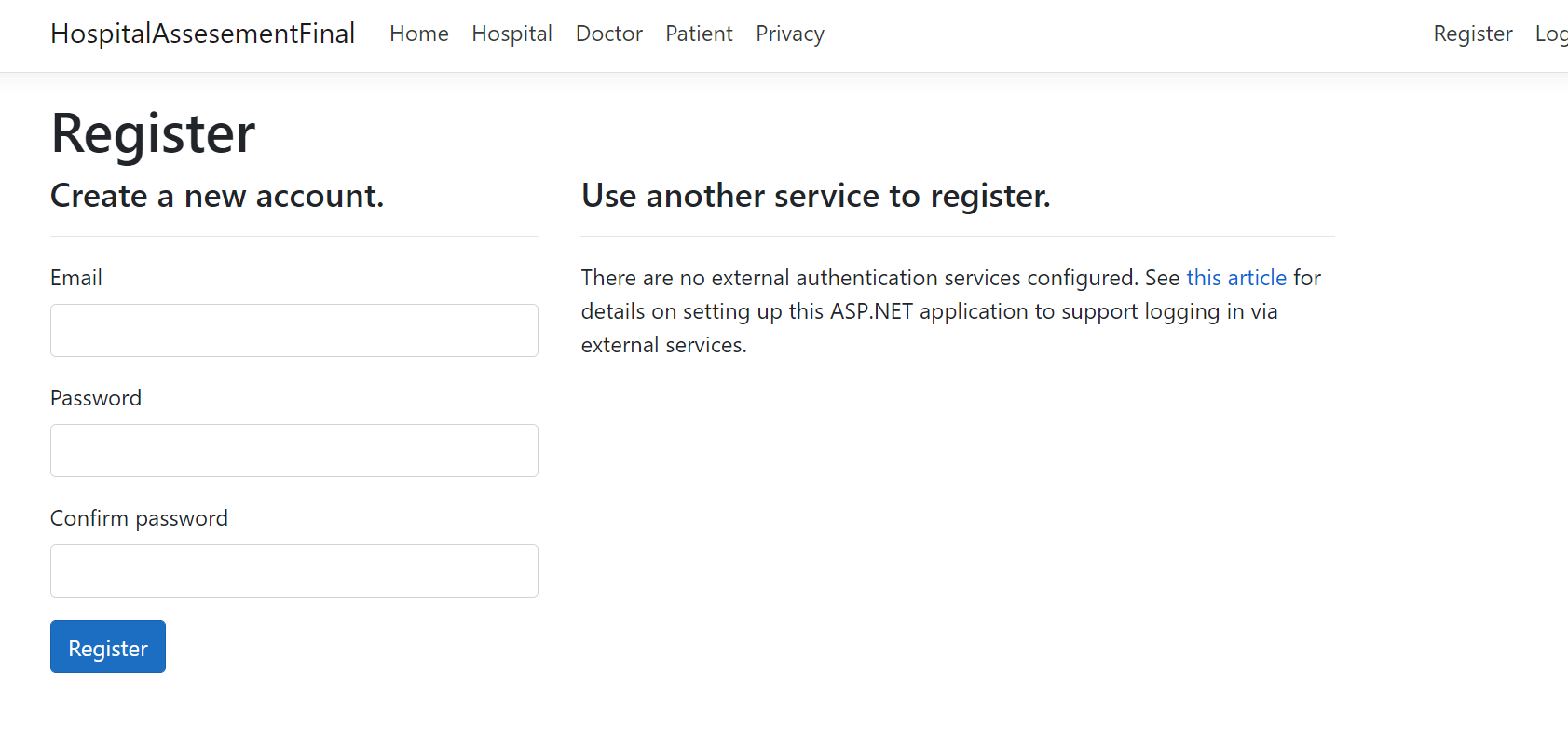
**Login Page**

This page helps the users to login to the app by using their valid credentials.



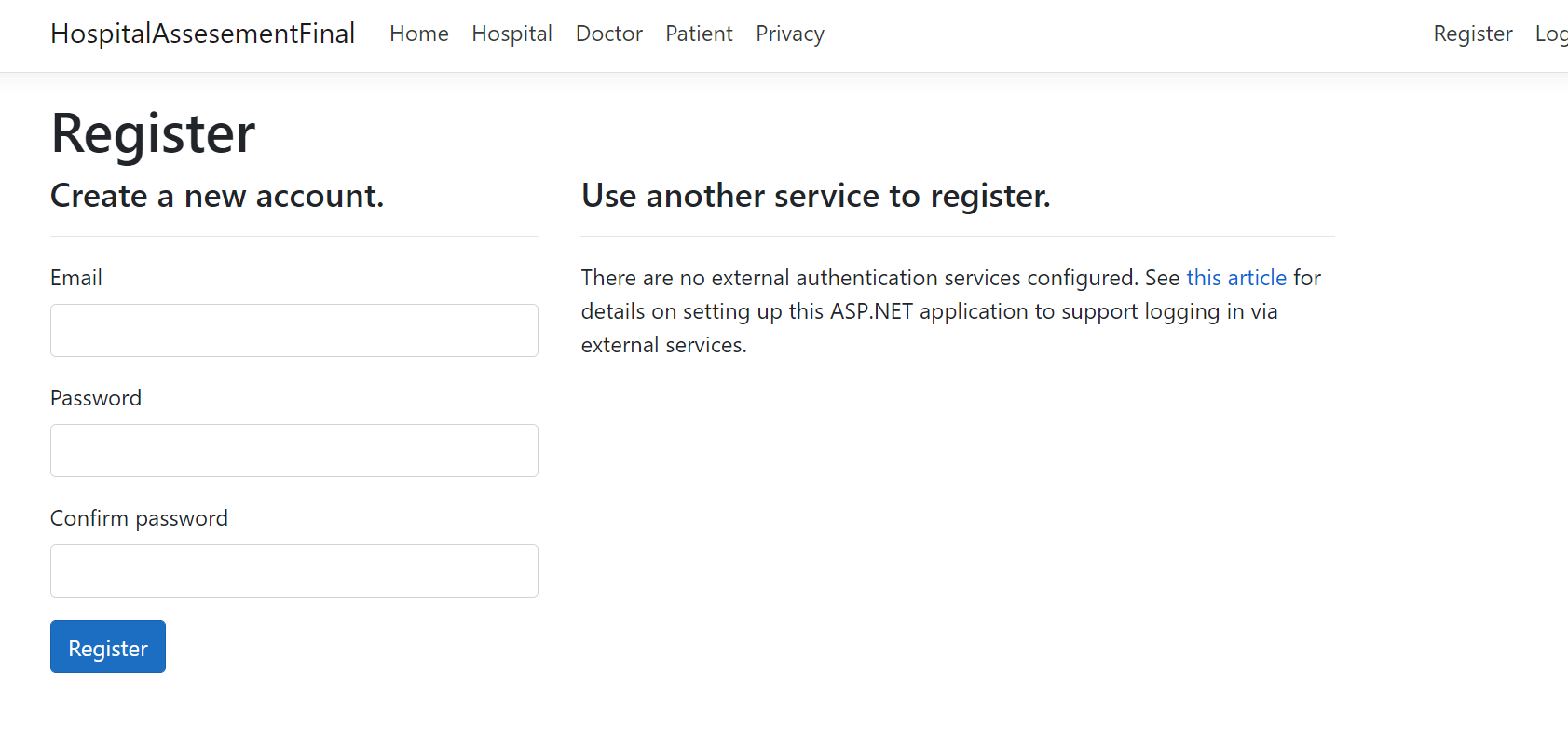
**User Registration Page**

With the help of this page user can register new user for the application.



**Doctors Page**

This Page highlights doctors. User can edit, delete, and access their details.



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TC1 | | | |
| **Test Case Title** | | verify the launching of web app | | | |
| **Pre-Conditions** | | Browser the web app | | | |
| **Post-Conditions** | | Website should be launched successfully | | | |
| **Step No.** | **Test Step** | **Input Data** | **Expected Result** | **Actual Result** | **Test Step Result** |
| 1 | open [project](http://www.authordeus.azurewebsites.com) in Visual studio |  | website index page should open | As Expected | Pass |
| 2 | Close the Home page by clicking close button on browser |  | Website should close. | As Expected | Pass |
| 3 | Manually Launched website using localhost |  | website home page should open | As Expected | Pass |

# Project Testing

**Test Case 1**

**Test Case 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TC2 | | | |
| **Test Case Title** | | Verify login with valid username and password | | | |
| **Pre-Conditions** | | username and password are saved into the database | | | |
| **Post-Conditions** | | The user is validated with database and successfully login to the account. | | | |
| **Step No.** | **Test Step** | **Input Data** | **Expected Result** | **Actual Result** | **Test Step Result** |
| 1 | Launch web app in a new browser window |  | Login screen of the website should display. | As Expected | Pass |
| 2 | Enter valid User id and correct password | User: harjot@gmail.com  Password:Harjot12@ | Entered User Id should display in "User Id" field  Enter Password should be masked as "\*" | As Expected | Pass |
| 3 | Click the "Login" button |  | The home page should open and the user id should display at the top right side on the page. | As Expected | Pass |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**Test Case 3**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | | TC3 | | | |
| **Priority** | | High | | | |
| **Test Case Title** | | Verify website Home Page interface | | | |
| **Pre-Conditions** | | Open website in a browser | | | |
| **Post-Conditions** | | The home page interface should correct and working correctly. | | | |
| **Step No.** | **Test Step** | **Input Data** | **Expected Result** | **Actual Result** | **Test Step Result** |
| 1 | Verify Home Page |  | should display all options | As Expected | Pass |
| 2 | Verify navigation bar |  | Following options should be available in the navigation bar   * Home * Hospital * Doctor * Patient * Register | As expected | Pass |

## System Usability Testing

### Testing

**Tester 1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Tester –1** | | **Answer Scale** | | | | |
| **No.** | **Question** | **Strongly Disagree (1)** | **Disagree (2)** | **Normal (3)** | **Agree (4)** | **Strongly Agree (5)** |
| 1 | I think that I would like to use this system frequently |  |  |  |  |  |
| 2 | I found the system complex |  |  |  |  |  |
| 3 | I thought the system was easy to use |  |  |  |  |  |
| 4 | I found the various functions in this system were well-integrated |  |  |  |  |  |
| 5 | I thought there was too much inconsistency in this system |  |  |  |  |  |
| 6 | I would imagine that most people would learn to use this system very quickly |  |  |  |  |  |
| 7 | I felt very confident using the system |  |  |  |  |  |

**Tester-2**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Tester –2** | | **Answer Scale** | | | | |
| **No.** | **Question** | **Strongly Disagree (1)** | **Disagree (2)** | **Normal (3)** | **Agree (4)** | **Strongly Agree (5)** |
| 1 | I think that I would like to use this system frequently |  |  |  |  |  |
| 2 | I found the system complex |  |  |  |  |  |
| 3 | I thought the system was easy to use |  |  |  |  |  |
| 4 | I found the various functions in this system were well-integrated |  |  |  |  |  |
| 5 | I thought there was too much inconsistency in this system |  |  |  |  |  |
| 6 | I would imagine that most people would learn to use this system very quickly |  |  |  |  |  |
| 7 | I felt very confident using the system |  |  |  |  |  |

# User Manual

### System Overview

User can add, edit, delete, and access details of the hospitals. User can also edit, delete, and access details of doctors.