

Healthy Care

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**Ho Chi Minh City**

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REVIEW 1

Problem Definition

1. **The Object Of The Project**

This project will aim at creation of a high quality reputation booking doctor system. This will be accessible to all customers who have a valid User Id and Password . This system provides the following facilities:

* Booking reputable doctor
* doctors come to the place

1. **Functional Requirements(**Customer Request**)**

Following is a list of functionalities of the system. More functionalities that you find appropriate can be added to this list.

• Customer must have a valid User Id and password to login to the system

• If a wrong password is given, that account will be received a mesages .

• After the valid user logs in he is shown the list of reputable doctor .

• On selecting the doctor he is taken to a page which shows the present detail of that doctor.

• User can see details of the last doctor he has booked.

• User can upload their sysmptom to find a suitable doctor near them.

• User can Book doctor from his account to make him go to that phace to check out the patient. If that docor acept a notification should appear to the customer, in case it is unsuccessful, a proper message should be given to the customer as to why it failed.

• User can request for change of address/ payment / times

• User can view feedback rating of that doctor

• Proper help to be provided as and when requested by the user.

# Hardware/ Software Requirements

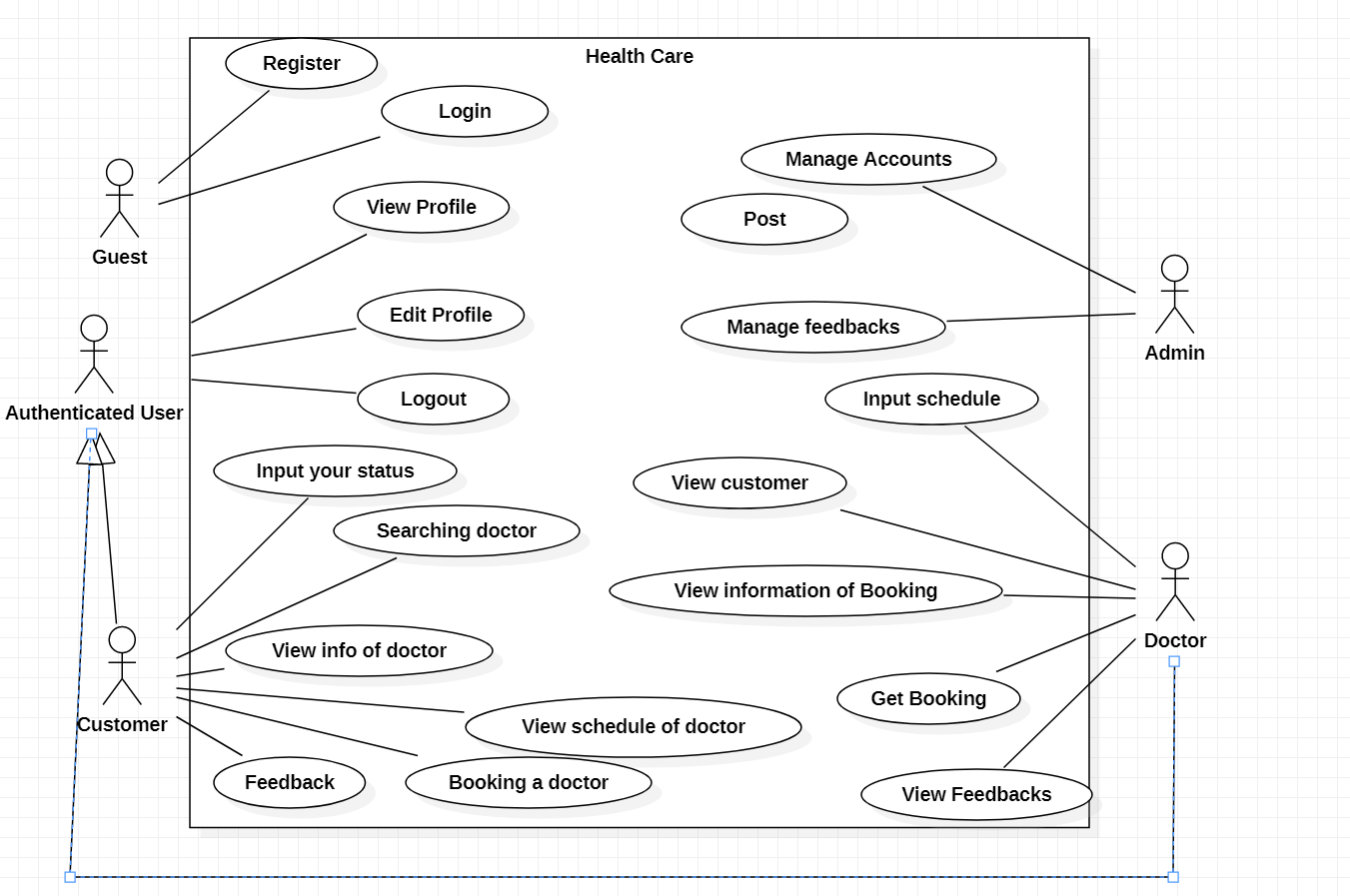
By adding new technologies such as ASP.NET 3.5, AJAX, Web Service and 3-layer architecture, the web site becomes more interactive with users, security and easily updated.

1. **System Requirement**

* **For Users**
  + **Hardware**
    - CPU: Pentium IV 2.0 GHz or higher
    - RAM: 512 MB or higher
  + **Software**
    - OS: Windows >8/XP Professional/Server 2003…
    - Browser: Internet Explorer 8.0 or higher
* **For Software Developers**
  + **Hardware**
    - CPU: Pentium IV 2.0 GHz or higher
    - RAM: 512 MB or higher
  + **Software**
    - OS: Windows XP Professional/Server 2003…
    - Environment: Microsoft .NET Framework 3.5
    - Database Management System: Microsoft SQL Server 2014 - 2019
    - IDE: Microsoft Visual Studio 2019
    - Winform

REVIEW 2

* + - **USE CASE DIAGRAM**

****

**USE CASE DESCRIPTION**

1. **Actor:**

* **Customers :** include all visitors that use this App. They are customer. When visitors uses this app and register to become a customer
* **Doctor:** include all visitors that use this App. They are doctor. When visitors uses this app and register with ADMIN to become a doctor
* **administrators :** The person(s) that manage and maintain this app.

1. **Usecase:**

|  |  |
| --- | --- |
| **Usecase** | Register |
| **Short Description** | Register account to become a member of the app. |
| **Pre-Conditions** |  |
| **Post-Conditions** |  |
| **Main flow** | \_Guest must provide mandatory information :   * LoginID. * Password. * Confirm Password. * Email. * Address   \_Guest provides supplementary information : FirstName, LastName, PhoneNumber, Address  \_Guest clicks on Register button.  \_System checks the information which guest provided  \_System create new account for guest that registers to this App.  \_Guest becomes a Customer of this app. |
| **Alternative flow(s)** | \_If guest clicks on the Reset button, all the field will be reset.  \_If the mandatory information that guest provided, is missed or not exactly, system notifys the error. All cases are :   * LoginID has existed in Database. * Password is less than 6 characters or more than 30 characters. * Confirm Password and Password are not the same. * Email is invalid or has existed in database. * Any fields are blank.   \_System must be insert the date that guest register to become member.  \_If server notifys any error when it’s processing, system must be write report into Log file. |

|  |  |
| --- | --- |
| **Use case** | Search Doctor |
| **Short Description** | Search doctor on app |
| **Pre-Conditions** |  |
| **Post-Conditions** |  |
| **Main flow** | \_Customer access the news page.  \_Customer drag the mouse over the link of search, read the list of search.  \_If customer want to see the details of docotr, he(she) clicks on the link of this doctor. All content of new will be shown. |
| **Alternative flow(s)** | \_If server notifies any error when it’s processing, system must be write report into Log file. |

|  |  |
| --- | --- |
| **Usecase** | Login |
| **Short Description** | Log in website to use any function of member. |
| **Pre-Conditions** |  |
| **Post-Conditions** |  |
| **Main flow** | \_Guest inputs the login information :   * Login ID. * Password.   \_Guest clicks on the Login button.  \_System check the Login ID and Password.  \_If Login ID and Password are valid, system will move customer to Homepage.  \_ If a wrong password is given, that account will be received a mesages . |
| **Alternative flow(s)** | \_If guest clicks on “Reset” button, the Login ID field and Password field are blank.  \_If Login ID field or Password field is invalid form or blank when guest clicks on the “Login” button, system will notify the error.  \_If server notifies any error when it’s processing, system must be write report into Log file. |

|  |  |
| --- | --- |
| **Usecase** | Edit Account |
| **Short Description** | Edit customer or Doctor information. |
| **Pre-Conditions** |  |
| **Post-Conditions** |  |
| **Main flow** | \_Guest login to this website.  \_ customer or Doctor clicks on the link to edit his(her) information, and access the private information page.  \_ customer or Doctor edits information and save this action.  \_System check this information and save it on the server.  \_System notify report to member. |
| **Alternative flow(s)** | \_If any information edit are invalid, system will notify the error.  \_If server notifies any error when it’s processing, system must be write report into Log file. |

|  |  |
| --- | --- |
| **Usecase** | Manage Customers |
| **Short Description** | Manage all information about customer. |
| **Pre-Conditions** |  |
| **Post-Conditions** |  |
| **Main flow** | \_Manage all information of customer. |
| **Alternative flow(s)** | \_If server notifies any error when it’s processing, system must be write report into Log file. |

|  |  |
| --- | --- |
| **Usecase** | FeedBack |
| **Short Description** | Feedback,rating doctor |
| **Pre-Conditions** |  |
| **Post-Conditions** |  |
| **Main flow** | \_customer chooses the doctor whose has been booked.  \_customer write coment and rate  \_customer clicks on the “feedback” button. |
| **Alternative flow(s)** | \_If server notifies any error when it’s processing, system must be write report into Log file. |

|  |  |
| --- | --- |
| **Usecase** | View Doctor or Customer Information |
| **Short Description** | Administrator view customer or doctor information. |
| **Pre-Conditions** |  |
| **Post-Conditions** |  |
| **Main flow** | \_Administrator choose the customer or doctor that administrator wants to see information.  \_Administrator clicks on the “View Information” button.  \_System shows the customer’s information to the administrator. |
| **Alternative flow(s)** | \_If server notifies any error when it’s processing, system must be write report into Log file. |

|  |  |
| --- | --- |
| **Usecase** | Administrator Edit Account |
| **Short Description** | Edit customer or doctor information. |
| **Pre-Conditions** |  |
| **Post-Conditions** |  |
| **Main flow** | \_Admin can edit credit card customer request to suspend use of credit card  \_System check this information and save it on the server.  \_System notify report to member. |
| **Alternative flow(s)** | \_If any information edit are invalid, system’ll notify the error.  \_If server notifies any error when it’s processing, system must be write report into Log file. |

|  |  |
| --- | --- |
| **Usecase** | Manage FeedBack |
| **Short Description** | Admin nanage news of app |
| **Pre-Conditions** |  |
| **Post-Conditions** |  |
| **Main flow** | \_Administrator can view, insert, update, delete news.  \_Administrator chooses the correlative function.  \_System passes administrator to the page that administrator can interact with system. |
| **Alternative flow(s)** | \_If server notifys any error when it’s processing, system must be write report into Log file. |

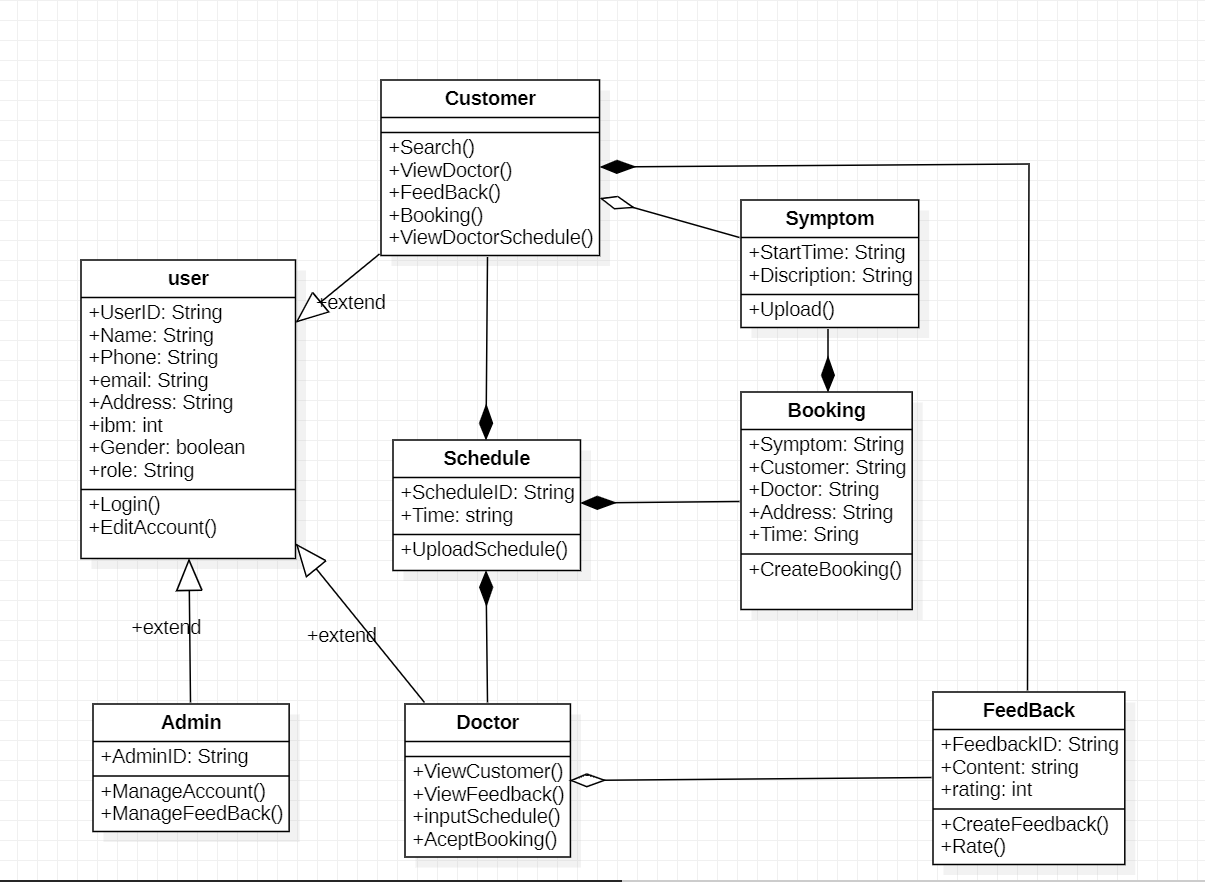
|  |  |
| --- | --- |
| **Usecase** | Edit Feedback |
| **Short Description** | Update, Delete all information about this app. |
| **Pre-Conditions** |  |
| **Post-Conditions** |  |
| **Main flow** | \_Administrator can update ,delete , news, drivers…of this app.  \_Administrator chooses the correlative function.  \_System passes administrator to the page that administrator can interact with system. |
| **Alternative flow(s)** | \_If server notifies any error when it’s processing, system must be write report into Log file. |

|  |  |
| --- | --- |
| **Usecase** | Booking |
| **Short Description** | Customer book doctor |
| **Pre-Conditions** |  |
| **Post-Conditions** |  |
| **Main flow** | \_customer upload their sysmptom  \_ customer can book doctor base on their sysmptom  \_customer chose time location and click on button “Book”  \_wait for the doctor reply |
| **Alternative flow(s)** | \_If server notifies any error when it’s processing, system must be write report into Log file. |

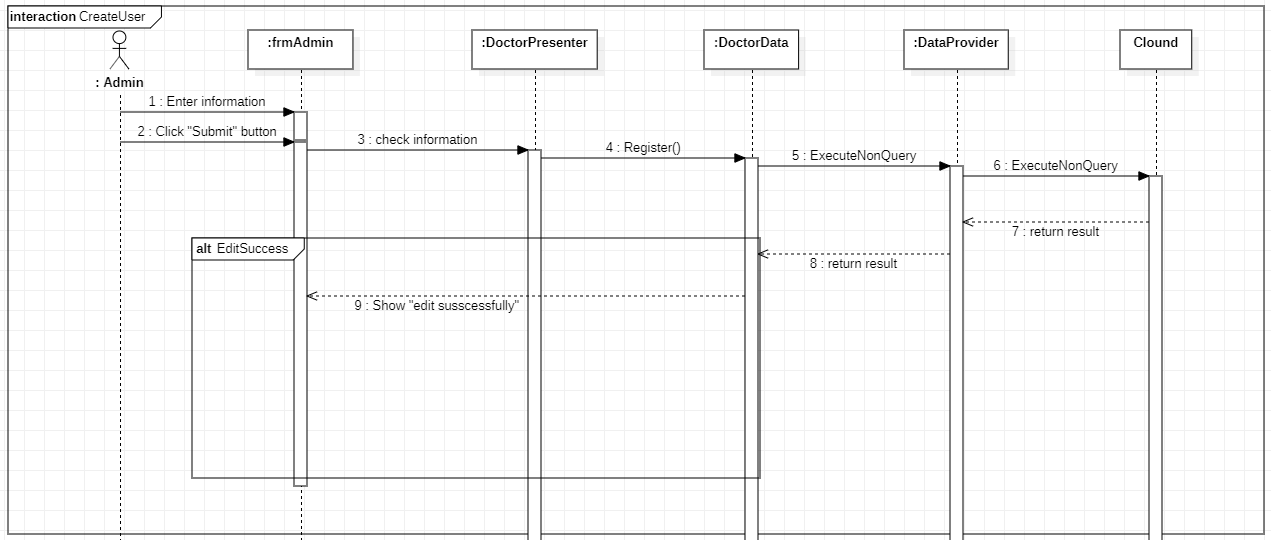
|  |  |
| --- | --- |
| **Usecase** | Acept Booking |
| **Short Description** | Doctor Acpet book or not |
| **Pre-Conditions** |  |
| **Post-Conditions** |  |
| **Main flow** | \_Doctor see the information of the order  \_doctor acpet or not |
| **Alternative flow(s)** | \_If server notifies any error when it’s processing, system must be write report into Log file. |

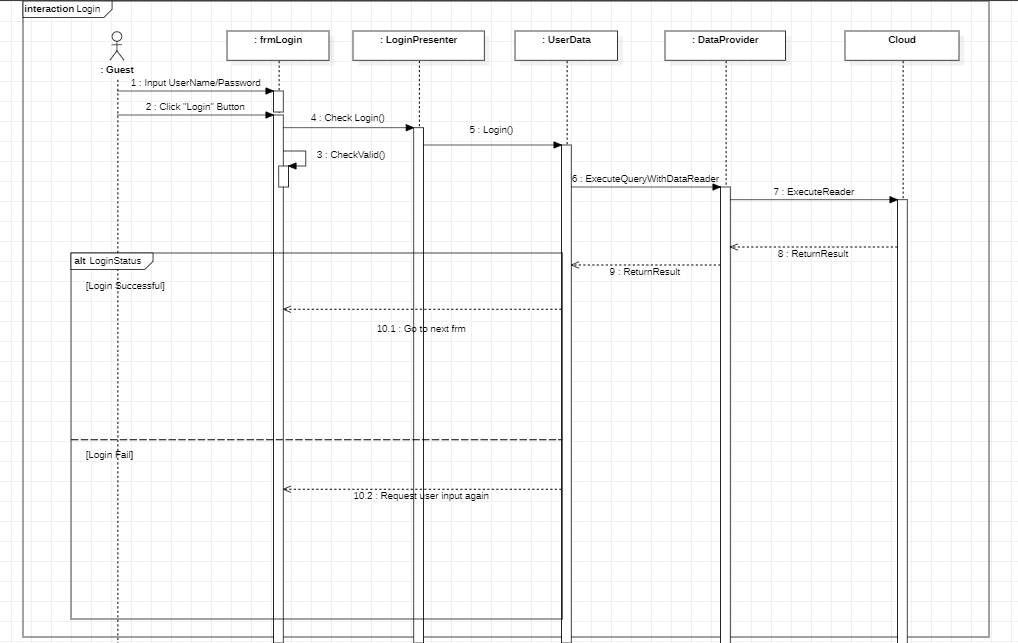
|  |  |
| --- | --- |
| **Usecase** | Search |
| **Short Description** | Search all information about this site. |
| **Pre-Conditions** |  |
| **Post-Conditions** |  |
| **Main flow** | \_Administrator inputs the information that wants to see in the search field.  \_Administrator clicks on the “Search” button Or onKeydown  \_System shows the result to the administrator. |
| **Alternative flow(s)** | \_If server notifies any error when it’s processing, system must be write report into Log file. |

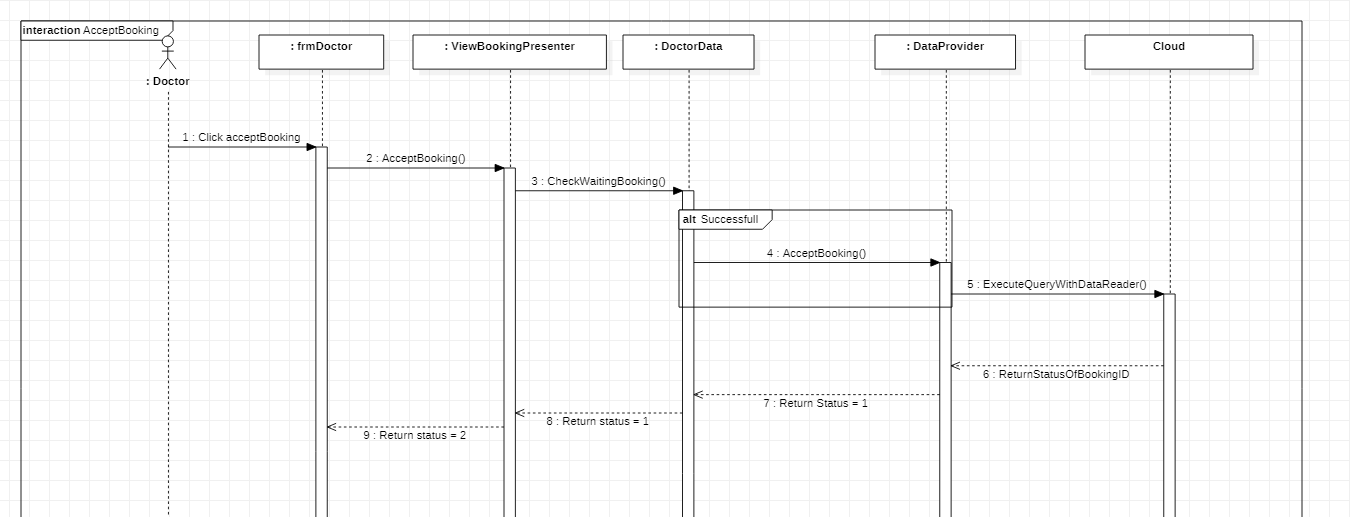
**CLASS DIAGRAM**

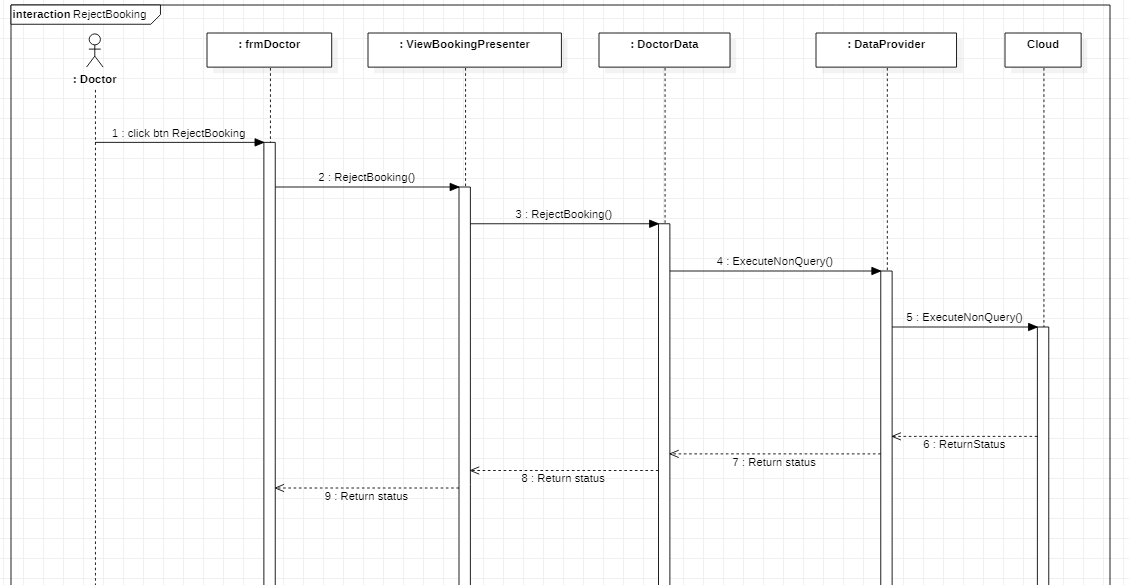


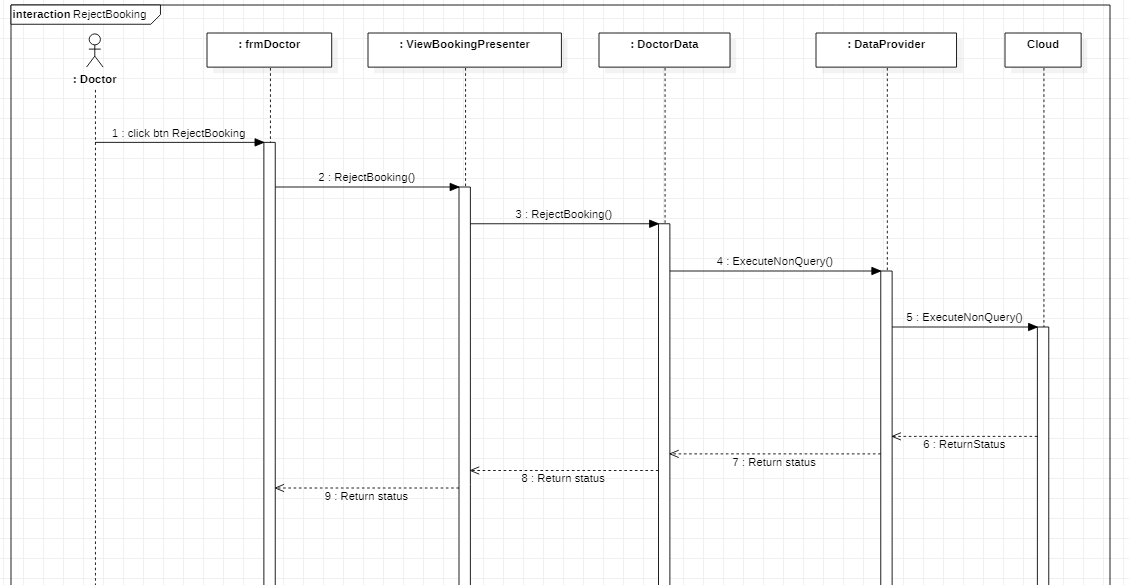
**SEQUENCE DIAGRAM**

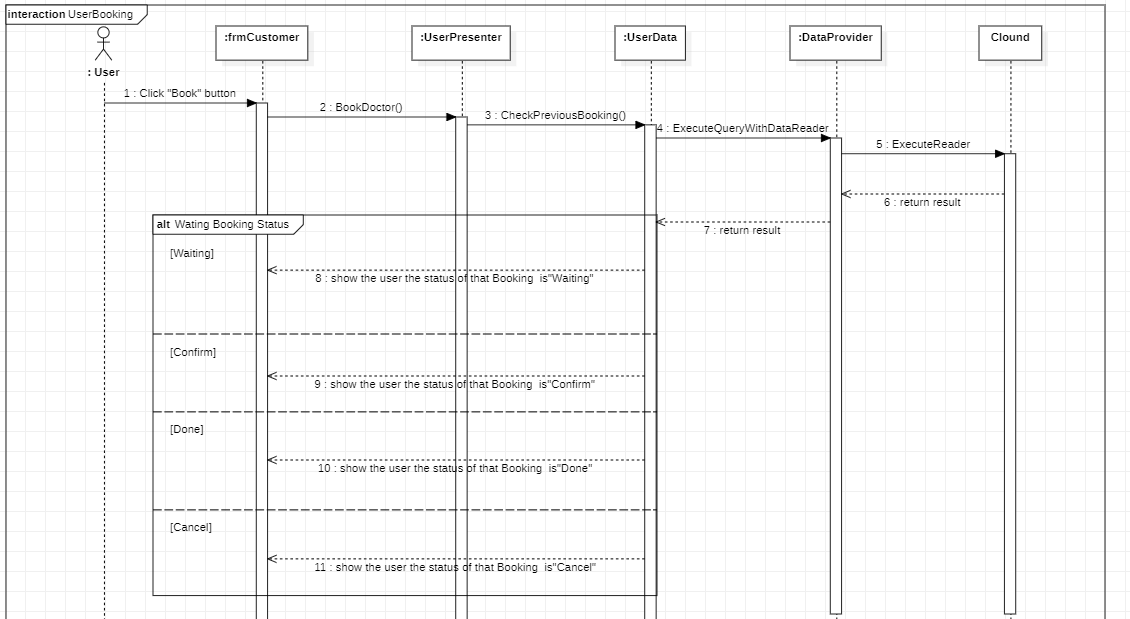
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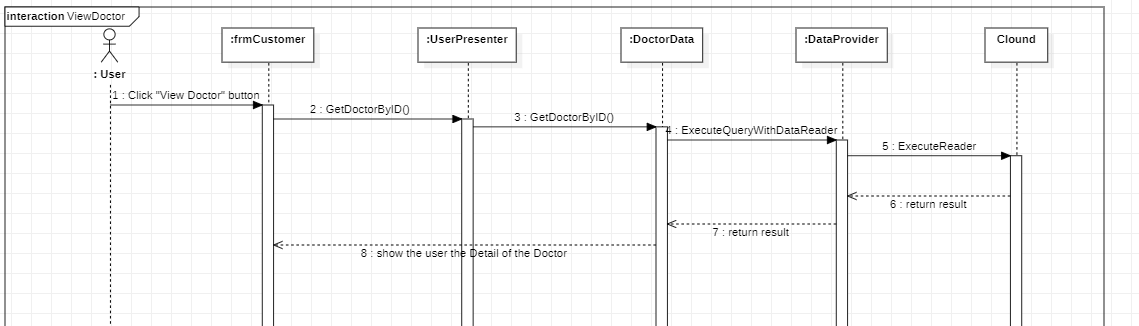
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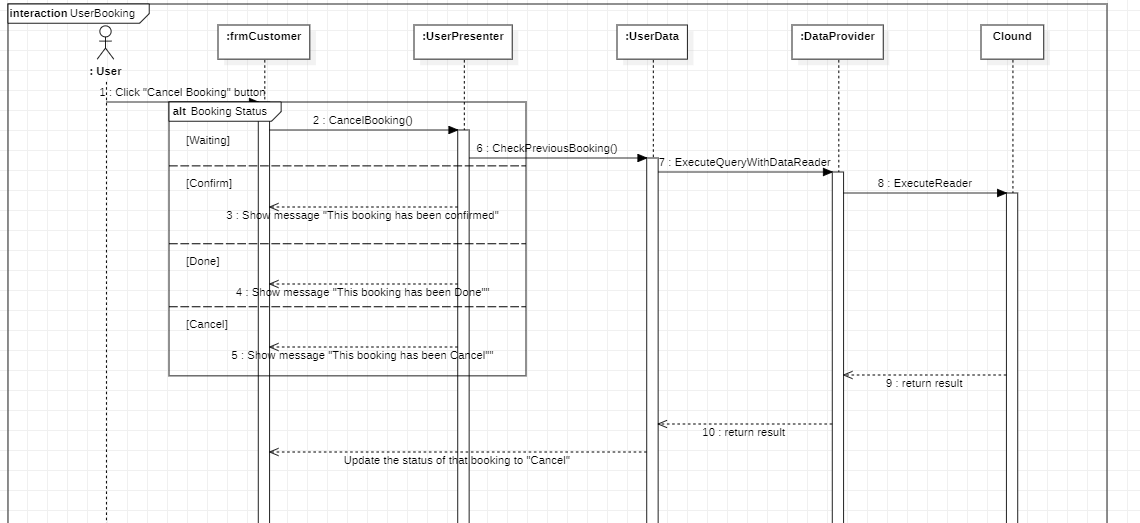
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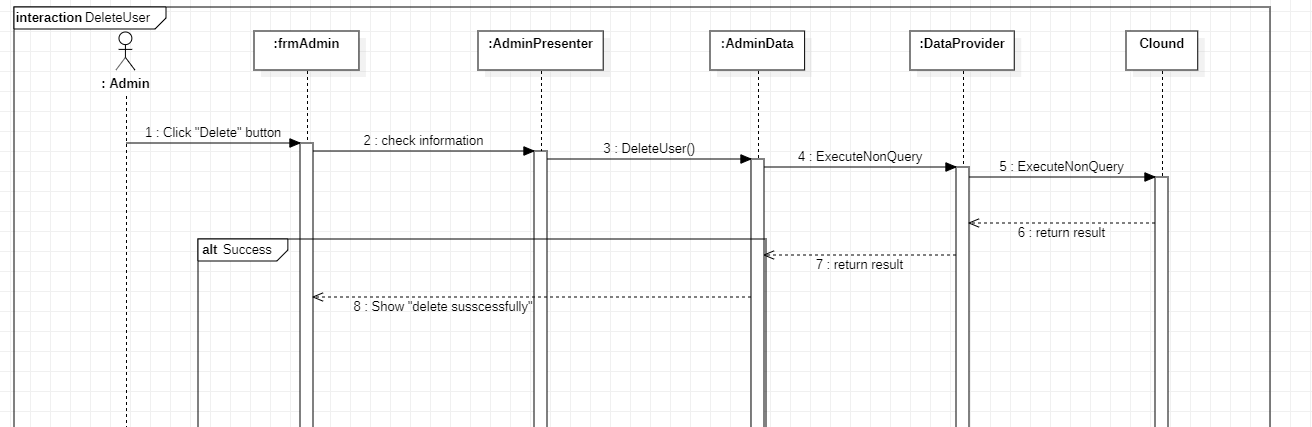
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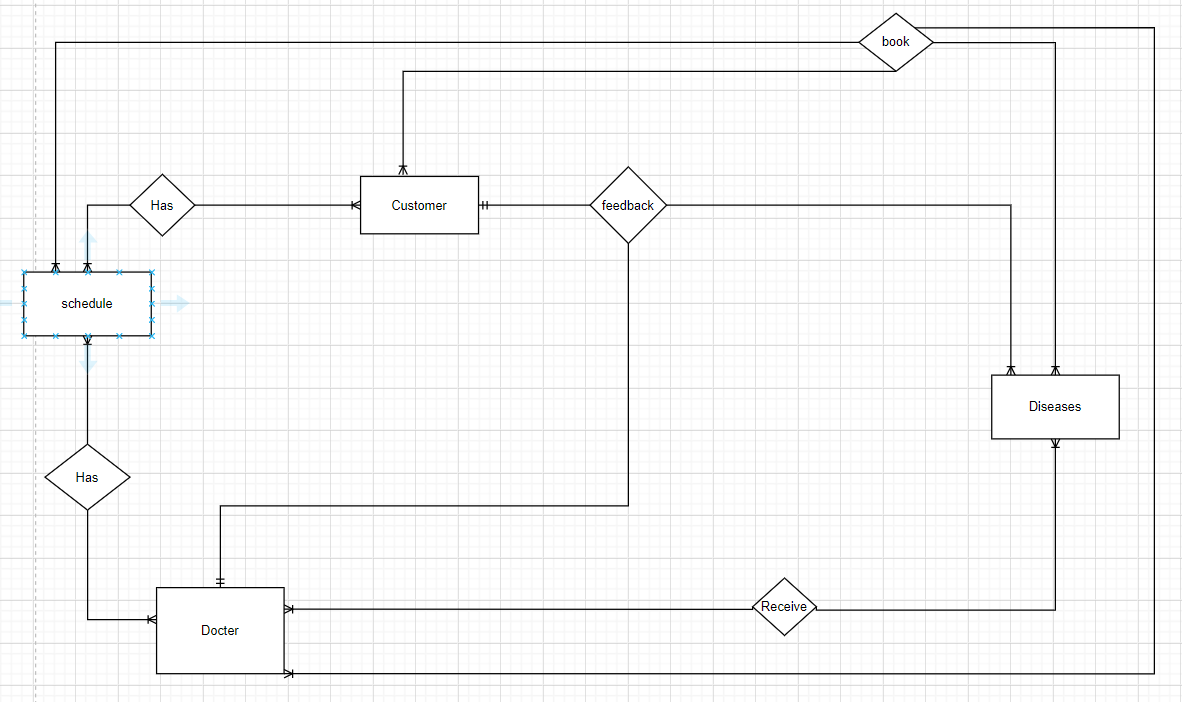
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**ENTITY RELATIONSHIP DIAGRAM (ERD)**  
 **Note:  
  
  
ENTITY DESCRIPTION**

Entity

Entity Relationship

One to  
 many relationship

**1.Role:**

Certificate

Roles

**2. Certificate :  
3. User :**

User

**4. Major :**

Major

**5. Booking :**

Booking

**6. Feedback:**

Feedback

**TABLE DESIGN**

**1.User:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Column Name** | **Data Type** | **Size** | **Check** | **Description** |
| 1 | **🗝idUser** | Int | 10 | Not Null | ID |
| 2 | phone | Varchar | 9 | Null | Phone User |
| 3 | Name | Varchar | 30 | Null | Name User |
| 4 | address | Date | 100 | Null | Address User |
| 5 | Email | Varchar | 50 | Null | Email User |
| 6 | Gender | Varchar | 100 | Null | Gender User |
| 7 | password | Varchar | 15 | Null | password User |
| 8 | idRole | Int | 10 | NOT Null | idRole |
| 9 | idCertificate | Int | 15 | NOT Null | idCertificate |
| 10 | Status | bit |  | NOT Null | Status |
| 11 | majorID | int | 10 | NOT Null | Major id |

**2.Role:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Column Name** | **Data Type** | **Size** | **Check** | **Description** |
| 1 | **idRole** | Int | 10 | Not Null | ID |
| 2 | name | Varchar | 9 | Null | name User |

**3.Certificate:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Column Name** | **Data Type** | **Size** | **Check** | **Description** |
| 1 | **idCertificate** | Int | 10 | Not Null | ID |
| 2 | name | Varchar | 9 | Null | Name certificate |

**4.Major :**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Column Name** | **Data Type** | **Size** | **Check** | **Description** |
| 1 | **MajorId** | Int | 10 | Not Null | ID |
| 2 | name | Varchar | 9 | Null | Name major |

**5.Booking :**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Column Name** | **Data Type** | **Size** | **Check** | **Description** |
| 1 | **idBooking** | Int | 10 | Not Null | ID |
| 2 | IDUser | Int | 10 | Not Null | ID |
| 3 | idDoctor | Int | 10 | Not null | ID |
| 4 | bookingDay | Date |  | Null | day |
| 5 | status | bit |  | Null | Status |

**6.Feedback:**

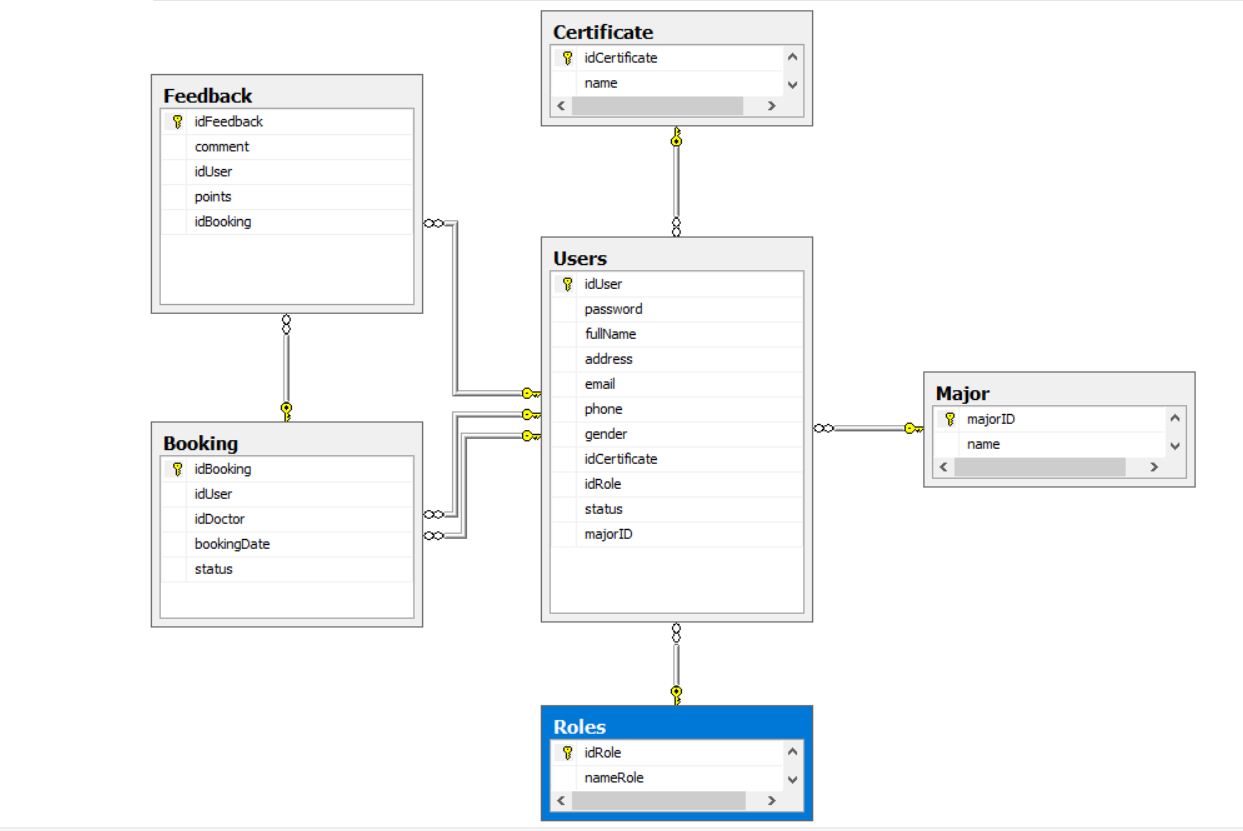
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Column Name** | **Data Type** | **Size** | **Check** | **Description** |
| 1 | **idFeedback** | Int | 10 | Not Null | ID |
| 2 | idUser | Int | 10 | Not Null | ID |
| 3 | idBooking | Int |  | Not Null | ID |
| 4 | Comment | Varchar | Max | Null | comment |
| 5 | point | int | 10 | Not Null | point |

**Note**

**🗝** Primary key

✓ Unique constraint

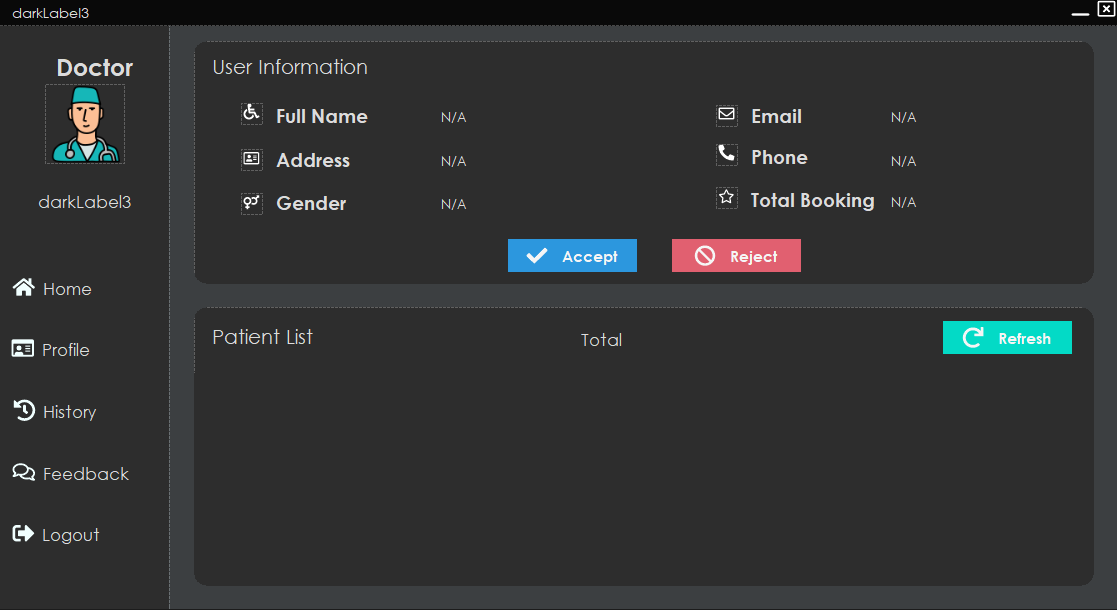
**TABLE RELATIONSHIP DIAGRAM**



REVIEW 3

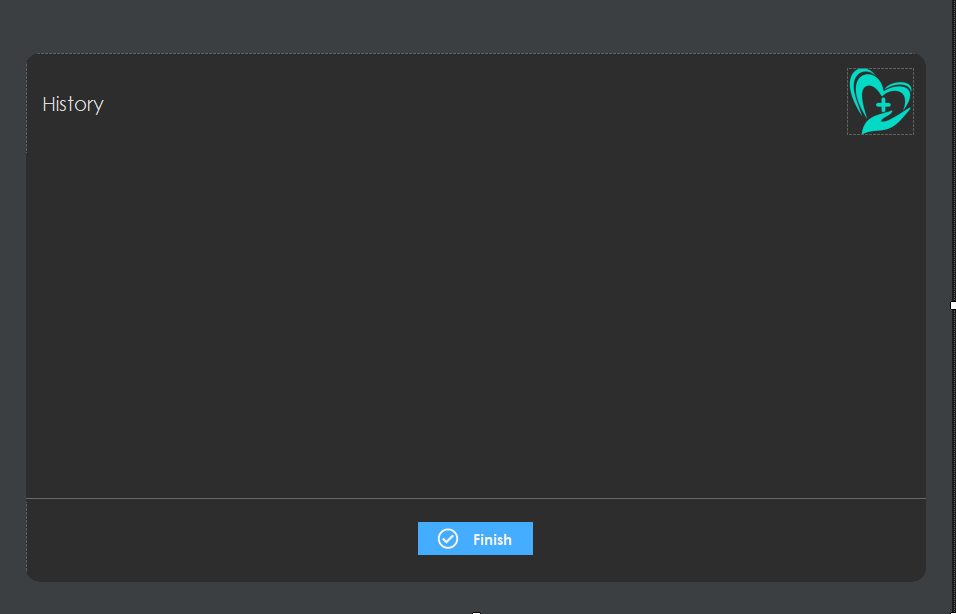
**INTERFACE DESIGN**

1. **Doctor Home Page**

****

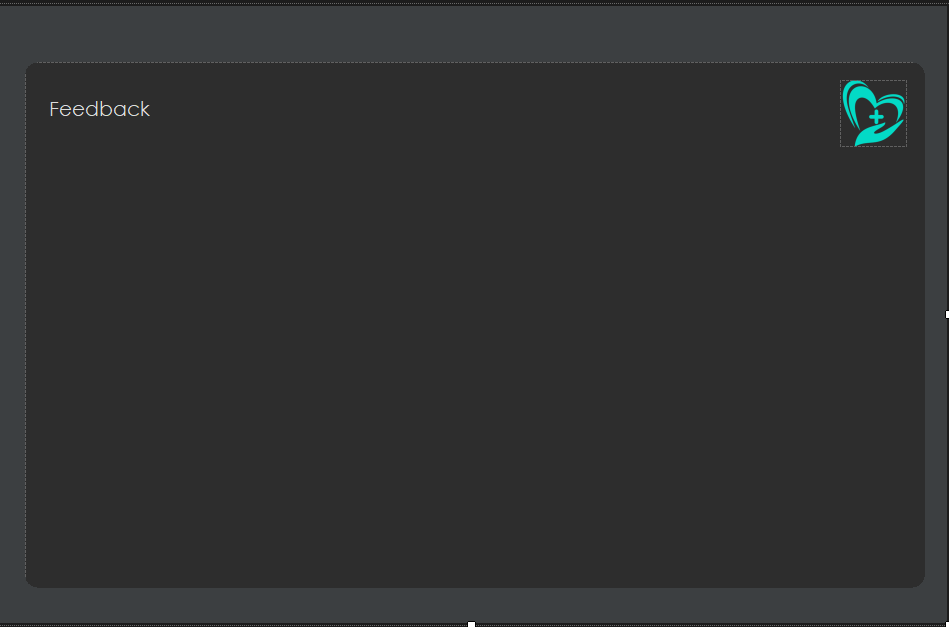
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Event** | **Validation** | **Description** | **Status** |
| User Name | label |  | String, not null | show Doctor’s user name |  |
| Email | label |  | String, not null, | show Doctor’s Email |  |
| Address | label |  | String, not null, | show Doctor’s Address |  |
| phone | label |  | String, not null, | show Doctor’s phone |  |
| Total booking | label |  | String, not null, | show Doctor’s total booking |  |
| Accept Booking | button |  | Click | Accept that booking if the doctor want to do |  |
| Reject Booking | button |  | Click | Reject that booking if the doctor not want to do |  |
| Refresh | button |  | Click | Refersh form again |  |
| Home | button |  | Click | Back to the main form |  |
| Profie | button |  | Click | Click to view user profie |  |
| History | button |  | Click | Click to view the history what that doctor have done. |  |
| feedBack | button |  | Click | View feedback |  |
| logout | button |  | Click | logout |  |
| table | datagridview |  |  | Show the request |  |

1. **Doctor History**



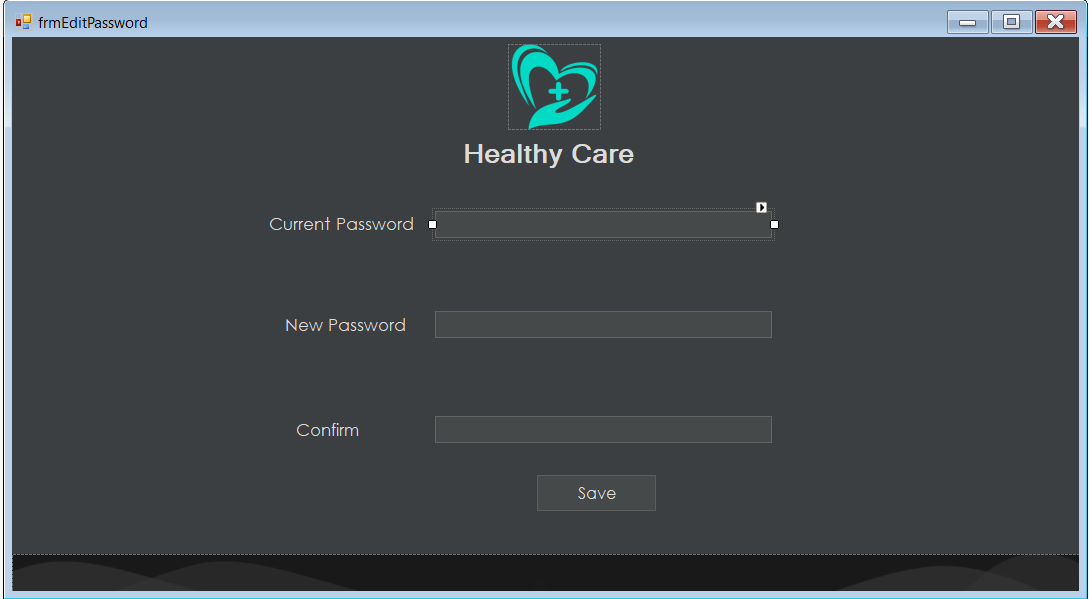
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Event** | **Validation** | **Description** | **Status** |
| History | label |  | String, not null | show All the Booking |  |
| Finish | button |  | Click | Confirm done when the customer pay |  |
| table | Data grid view |  |  | Show the history |  |

1. **Doctor FeedBack:**

****

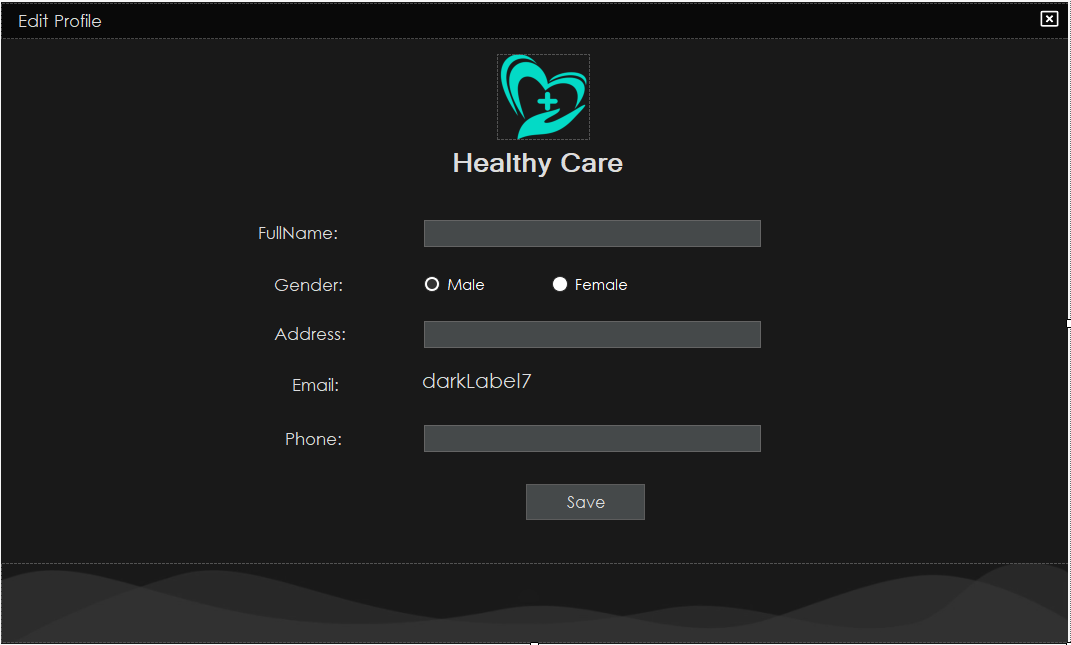
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Event** | **Validation** | **Description** | **Status** |
| FeedBack | label |  | String, not null | show All the FeedBack |  |
| table | Data grid view |  |  | Show all feedback |  |

1. **Customer Edit Password**

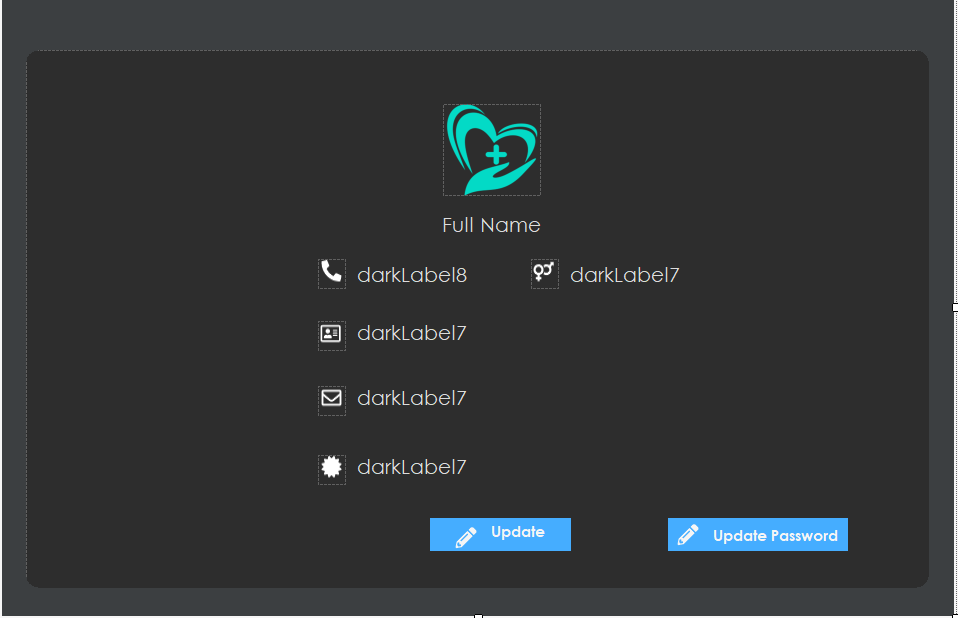


|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Event** | **Validation** | **Description** | **Status** |
| Current password | TextBox |  | String, not null | Input User’s current password |  |
| New password | TextBox |  | String, not null, | Input User’s new password |  |
| Confirm | TextBox |  | String, not null, | Input User’s new password again |  |
| Save | Button |  | Click | Choose Save |  |

1. **Customer Edit profile:**

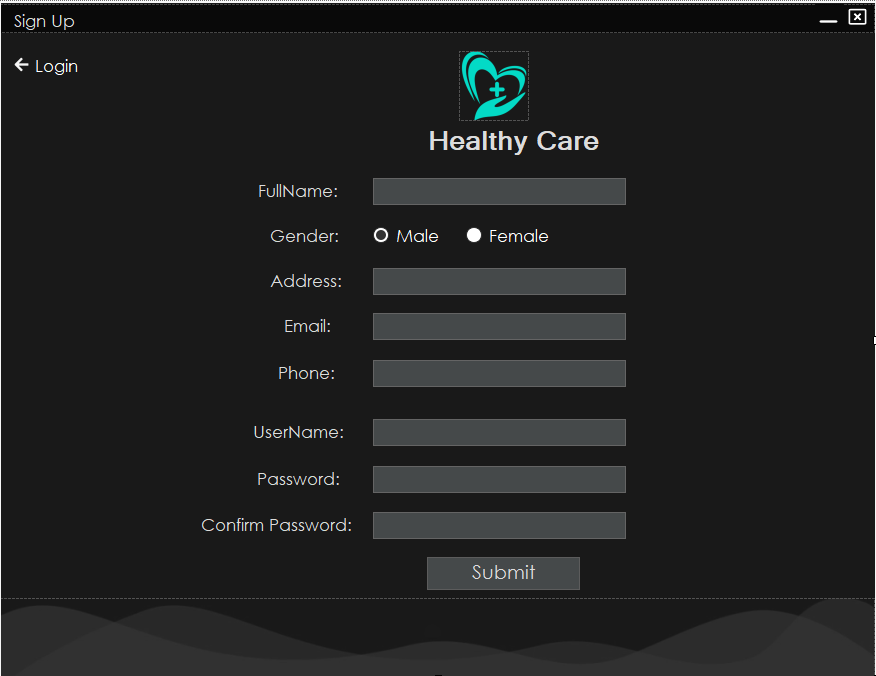


|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Event** | **Validation** | **Description** | **Status** |
| Full Name | TextBox |  | String, not null | Input User’s fullname |  |
| Address | TextBox |  | String, not null, | Input User’s Address |  |
| Gender | Check Box |  | Stick | Choose gender |  |
| Email | Label |  |  | Email of user |  |
| Phone | TextBox |  | int, not null | Input User’s phone |  |
| Save | Button |  | Click | Choose Save |  |

  
**6. Customer Profile user:**

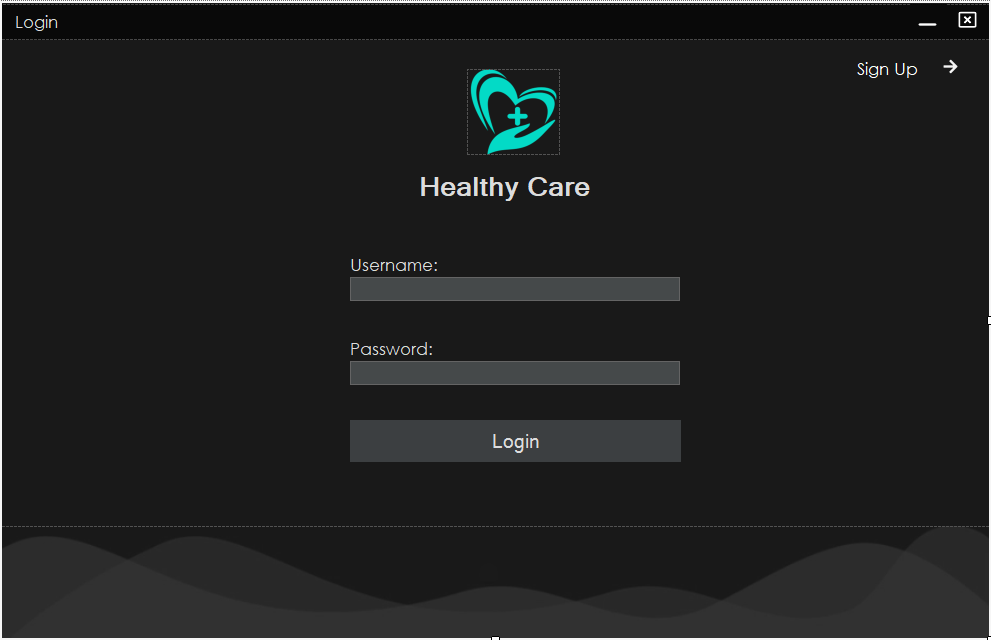
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Event** | **Validation** | **Description** | **Status** |
| Phone | Label |  | String, not null | Phone of user |  |
| Full name | Label |  | String, not null, | Full name of user |  |
| Gender | Label |  | String,not null | Gender of user |  |
| Email | Label |  | String, not null | Email of user |  |
| Address | Lebel |  | String,not null | Address of User |  |
| Update | Button |  | Click | Update profile |  |
| Update password | Button |  | Click | Go to update password page |  |

1. **Guest Sign Up:**

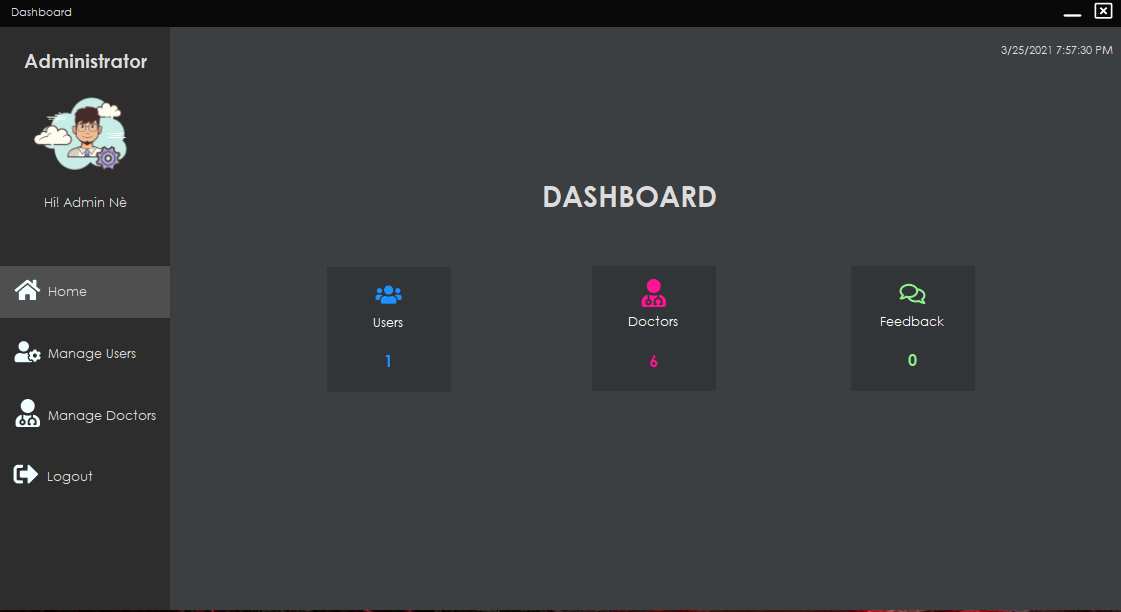


|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Event** | **Validation** | **Description** | **Status** |
| FullName | TextBox |  | String,not null | Input FullName |  |
| Gender | Check Box |  | Click | Click gender |  |
| Address | TextBox |  | String ,not null | Input Address |  |
| Email | TextBox |  | String ,not null | Input Email |  |
| Phone | TextBox |  | String ,not null | Input Phone |  |
| UserName | TextBox |  | String ,not null | Input Username |  |
| Password | TextBox |  | String ,not null | Input password |  |
| ConfirmPassword | TextBox |  | String ,not null | Input confirm password |  |

**5. Guest Login:**

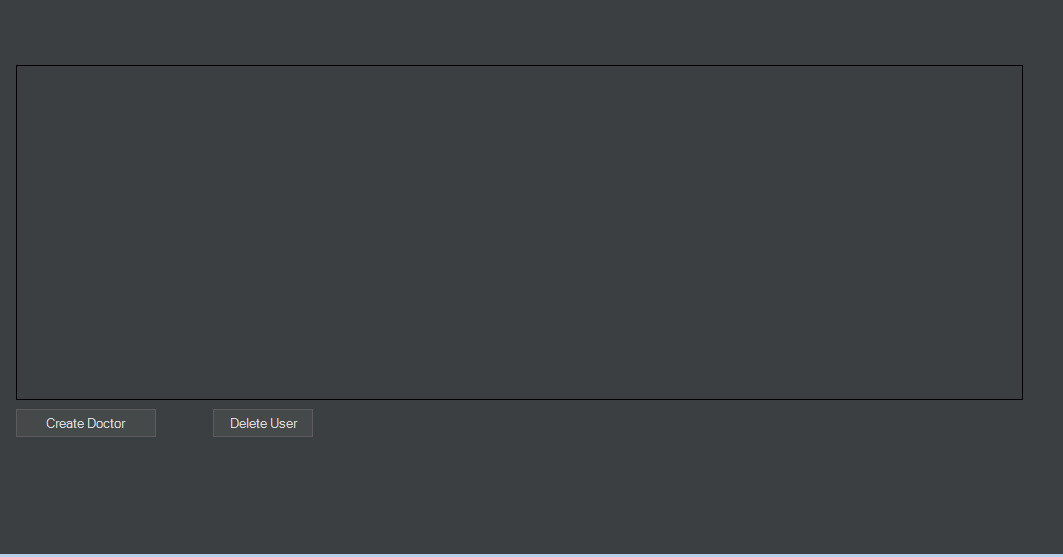


|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Event** | **Validation** | **Description** | **Status** |
| UserName | TextBox |  | String, not null | Input username |  |
| Password | TextBox |  | String, not null, | Input password |  |
| Login | Button |  |  | To login frm |  |

6.Admin’s Home

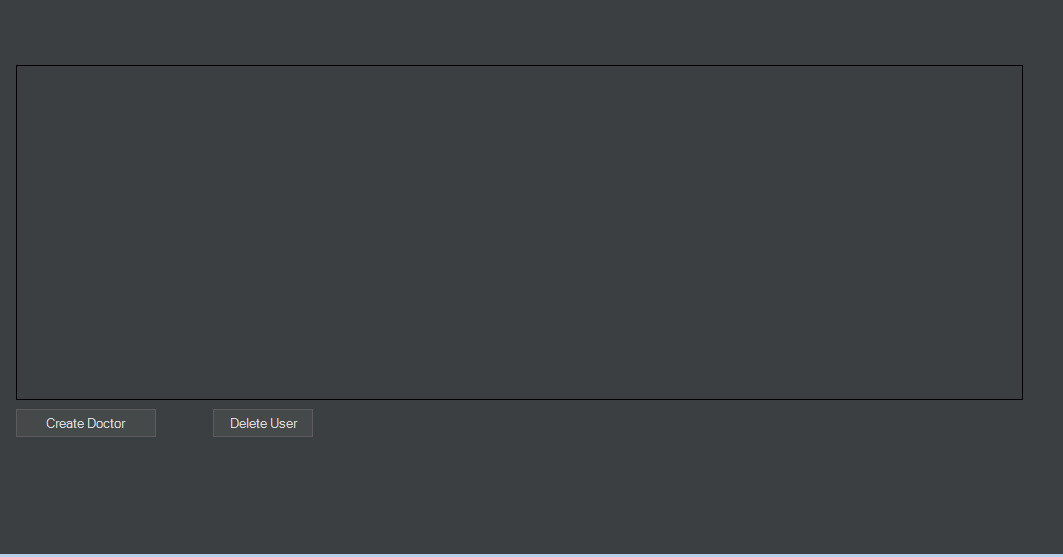
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Event** | **Validation** | **Description** | **Status** |
| Home | Button |  | Click | Main frame of Admin |  |
| Manage Users | Button |  | Click | To view how many customer that program has and information of customer |  |
| Manage Doctors | Button |  | Stick | To view how many Doctor that program has and information of Doctor |  |
| Logout | Button |  | Click | Logout account |  |
| User | iconButton |  |  | View number of User is online |  |
| Doctors | iconButton |  |  | View number of Doctor is online |  |
| Feedbacks | iconButton |  |  | View number of Feedbacks is online |  |

7.Manage Users



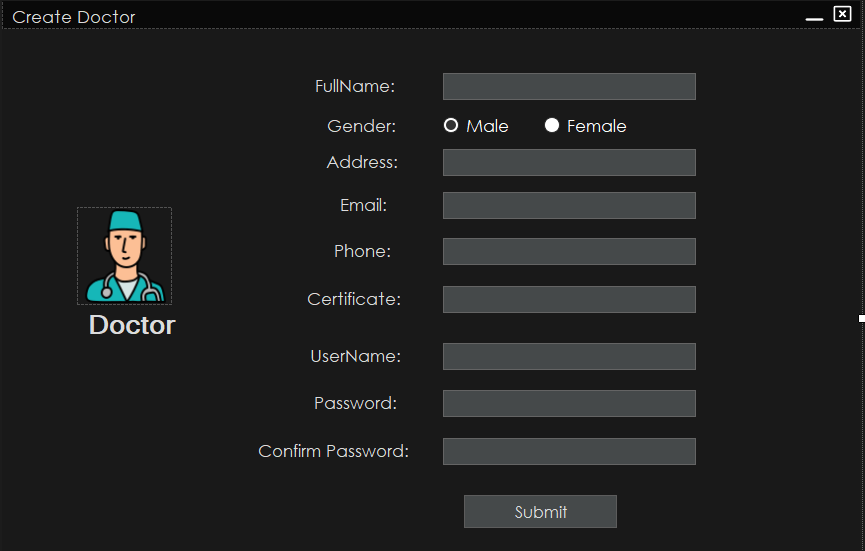
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Event** | **Validation** | **Description** | **Status** |
| List of Users | Data Grid View |  |  | View information of Users |  |
| Delete Users | Button |  | Click | To delete User |  |

8.Manage Doctors



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Event** | **Validation** | **Description** | **Status** |
| List of Doctors | Data Grid View |  |  | View information of Doctors |  |
| Create Doctor | Button |  | click | To create new Doctor |  |
| Delete Doctor | Button |  | Click | To delete User |  |

9.Create Doctors



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Event** | **Validation** | **Description** | **Status** |
| UserName | TextBox | Onchange | String, not null | Input UserName Doctor |  |
| Password | TextBox |  | String, not null, | Input Doctor’s New password |  |
| Confirm Password | TextBox |  | String,not null | Input Doctor’s Confirm Password |  |
| Full Name | TextBox |  | String, not null | Input Full Name Doctor |  |
| Gender | Check Box |  | Stick | Input Male,Female |  |
| Email | TextBox |  | String ,not null, have Validation | Input Email Customer |  |
| Phone Number | TextBox |  | Number,not null | Input Phone Number Doctor |  |
| Certificate | TextBox |  | String, not null | Input certificate of Doctor |  |
| Submit | Button |  | Click | Register Customer |  |