**Home Page:**

* In the Home page user can be able to see the registration and login screens
* In this page we can see the set of tabs like Home, Services, About, Contact, Register and login tabs.
* Each tab will perform different functionalities.

**Registration:**

* If the user is the new one user should be able to register with set of details like

First name, Last name, Email, Dob, password, Confirm Password, Username and User Role.

* User role contains set of roles in the drop down like Admin, Doctor, Patient, Office Staff.
* If it is the existing user, he can directly redirect to login page by clicking on the hyperlink provided in the registration Page.

**Login:**

* Login Page contains Mandatory fields like Username and Password which are used to login in their respective roles.
* If the user is new one, he can be redirected to the registration page by clicking on the hyper link provided in the login page.

**Admin Dashboard:**

* The admin user, often known as the root user, can execute a variety of tasks, including controlling master data for doctors, patients, and other medical personnel.
* Admins can also undertake tasks such as adding doctors and their specialty, administering newly constructed or existing branches, and updating information on room and medicine availability.
* Admin has access to all information in the system and can create, edit, and delete fields in the user interface. We have the flexibility to add new items to each list.
* No unauthorized individual can handle any operation without a username and password.

**Doctor:**

* The doctor can see the patients, see what medicines are available, schedule an appointment, and write a prescription for the patient who is undergoing treatment.
* He can see a list of scheduled appointments for that day and add medicine IDs to the interface.
* The doctor has access to the patient list, manages treatments, and offers opinions on surgeries and operations.

**Patient:**

* The patient can see the pending therapies he has had, as well as how many drugs, pending appointments, and treatments he has had. The patient has access to all this information.
* Patients have the option of scheduling appointments with a variety of specialists. They can also add or amend their personal health data.

**OP:**

* We've added new feature to our site by including OP, which allows staff members to enroll patient information in an emergency

**2.5 Design and Implementation Constraints**

Users first meet the login/sign up page; after registration, they are led to the Home page for the service they signed up for. While patients can make appointments with doctors, administrators can check how many slots have been set aside for a specific doctor. They won't be able to arrange an appointment, track their progress, or update their personal information until they create an account for them.

**Implementation Constraints:**

* A patients username, which is unique and is linked to the database as the primary key, cannot be changed.
* Users must create account for them otherwise they won't be able to book an appointment with doctor for specialization.

**2.7 Assumptions and Dependencies**

* It is expected that the built system would work properly with the web API server and SQL database. Another assumption is that the user interface will work effectively, making it user-friendly, quick, and comfortable to use for all people. The online appointment we plan to implement should be monitored to reduce the danger. We need to monitor and maintain the system's quality throughout the project, even after it has been launched, because it is one of the system's most significant aspects.