**Use Case Document**

**ADMIN**

**ADD A NEW DOCTOR**

* Use Case: Add a new doctor.
* Brief Description: The admin adds a new doctor to the database.
* Actors: Admin.
* Preconditions: Admin is logged in and has the necessary privileges.
* Basic flow:

1. Admin selects the option to add a new doctor.
2. Admin provides the necessary details of the doctor (e.g., name, specialty).
3. System validates the inputs and adds the new doctor to the database.

* Alternate Flows: None.
* Post Conditions: The new doctor is added to the database.

**UPDATE EXISTING DATA**

* Use Case: Update existing data.
* Brief Description: The admin updates the existing data of a doctor.
* Actors: Admin.
* Preconditions: Admin is logged in and has the necessary privileges.
* Basic flow:

1. Admin selects the option to update existing data.
2. Admin selects the doctor to be updated.
3. Admin modifies the desired fields (e.g., name, specialty) of the selected doctor.
4. System validates the inputs and updates the doctor's data in the database.

* Alternate Flows: None.
* Post Conditions: The doctor's data is updated in the database.

**VIEW DATA(Doctor)**

* Use Case: View data.
* Brief Description: The admin views the data of a doctor.
* Actors: Admin.
* Preconditions: Admin is logged in and has the necessary privileges.
* Basic flow:

1. Admin selects the option to view data.
2. Admin selects the doctor to view.
3. System retrieves and displays the data of the selected doctor.

* Alternate Flows: None.
* Post Conditions: The doctor's data is displayed to the admin.

**DELETE DATA FROM DATABASE**

* Use Case: Delete data.
* Brief Description: The admin deletes data (e.g., doctor) from the database.
* Actors: Admin.
* Preconditions: Admin is logged in and has the necessary privileges.
* Basic flow:

1. Admin selects the option to delete data.
2. Admin selects the data (e.g., doctor) to be deleted.
3. System deletes the selected data from the database.

* Alternate Flows: None.
* Post Conditions: The selected data is deleted from the database.

**USER**

**VIEW LIST OF DOCTORS**

* Use Case: View list of doctors.
* Brief Description: The user views a list of doctors.
* Actors: User.
* Preconditions: None.
* Basic flow:

1. User selects the option to view doctors.
2. System retrieves and displays a list of doctors.

* Alternate Flows: None.
* Post Conditions: A list of doctors is displayed to the user.

**SEARCH DOCTORS**

* Use Case: Search doctors.
* Brief Description: The user searches for doctors based on specific criteria.
* Actors: User.
* Preconditions: None.
* Basic flow:

1. User provides the search criteria (e.g., name, specialty) to the system.
2. System retrieves and displays the doctors matching the search criteria.

* Alternate Flows: None.
* Post Conditions: The matching doctors are displayed to the user.

**BOOK APPOINTMENTS**

* Use Case: Book appointments.
* Brief Description: The user books an appointment with a doctor.
* Actors: User.
* Preconditions: User is logged in.
* Basic flow:

1. User selects the option to book an appointment.
2. User selects the doctor and preferred date/time for the appointment.
3. System validates the availability and confirms the appointment.
4. System saves the appointment details.

* Alternate Flows: None.
* Post Conditions: The appointment is booked and saved in the system.

**VIEW BOOKING DETAILS**

* Use Case: View booking details.
* Brief Description: The user views the details of a booked appointment.
* Actors: User.
* Preconditions: User is logged in.
* Basic flow:

1. User selects the option to view booking details.
2. User selects the appointment to view.
3. System retrieves and displays the details of the selected appointment.

* Alternate Flows: None.
* Post Conditions: The appointment details are displayed to the user.

**RATE A DOCTOR**

* Use Case: Rate a doctor.
* Brief Description: The user provides a rating and review for a doctor.
* Actors: User.
* Preconditions: User is logged in.
* Basic flow:

1. User selects the option to rate a doctor.
2. User selects the doctor to rate.
3. User provides the rating.
4. System saves the rating for the doctor.

* Alternate Flows: None.
* Post Conditions: The rating and review are saved in the system.

**VIEW RATING**

* Use Case: View rating.
* Brief Description: The user views the average rating of a doctor.
* Actors: User.
* Preconditions: User is logged in.
* Basic flow:

1. User selects the option to view the rating of a doctor.
2. User selects the doctor to view the rating.
3. System calculates and displays the average rating for the doctor.

* Alternate Flows: None.
* Post Conditions: The average rating is displayed to the user.