**USE CASE DOCUMENT**

Use Case Document: Doctor Listing and Appointment Application

**1.Introduction**

The Doctor Listing and Appointment Application is a web-based system that allows users to search for doctors based on various criteria, rate doctors, and book appointments. The system also includes administrative functionality for managing doctors.

**2. Actors**

- User: A person who uses the system to search for doctors, rate doctors, and book appointments.

- Admin: A person who manages the system and has access to administrative functions.

**3.Use Cases**

Use Case 1: Search for Doctors

Description: The user searches for doctors

Actor: User

Preconditions:

- The user is logged in to the system.

Flow of Events:

1. The user searches for doctors

2. The system displays a list of doctors that match the search criteria.

Postconditions:

- The user can view a list of doctors that match their search criteria.

Use Case 2: Rate Doctor

Description: The user rates a doctor based on their experience.

Actor: User

Preconditions:

- The user is logged in to the system.

- The user has booked an appointment with the doctor.

Flow of Events:

1. The user navigates to the page for the doctor they want to rate.

2. The user selects a rating from 1 to 3 stars.

3. The rating is saved to database.

Postconditions:

- The doctor's rating is updated in the system.

Use Case 3: Book Appointment

Description: The user books an appointment with a doctor.

Actor: User

Preconditions:

- The user is logged in to the system.

- The user has searched for and selected a doctor.

Flow of Events:

1. The user selects an available appointment time.

Postconditions:

- The appointment is scheduled.

Use Case 4: Manage Doctors

Description: The admin manages the doctors in the system.

Actor: Admin

Preconditions:

- The admin is logged in to the system.

Flow of Events:

1. The admin can view a list of all doctors in the system.

2. The admin can add a new doctor to the system by providing their information.

3. The admin can update an existing doctor's information.

4. The admin can delete a doctor from the system.

Postconditions:

- The doctor list is updated based on the admin's actions.

**4. Assumptions and Constraints**

-A user with role admin is inserted into the database

**5.Conclusion**

In conclusion, the Doctors Appointment Application enables users to search for doctors, rate them, and book appointments. Admins can manage doctors and appointments. The application aims to provide a seamless and efficient experience for users and administrators alike.