DOCTOR APPOINTMENT SYSTEM

This application is used to book the appointment for a Doctor in a particular hospital. User can register and login and book the appointment for the doctor they want.

Users in the system.

There are three users in the system.

1. Doctor-Assistant
2. Admin
3. Patient

Roles Each user of the system can perform

User

- Write feedback about doctor
- Can book appointments by selecting two preferred dates on which a user wants to get the appointment

Admin

- Manage doctors
    - Can add a doctor with all the details
    - Can also delete the doctor and can the details of an existing doctor in the system.
- View Feedback
- Manage Doctor assistant
    - Can add an assistant with all the details
    - Can also delete the assistant and can the details of an existing assistant in the system.
- View all the appointments that a patient book and is approved by doctor-assistant.

Doctor-Assistant

- Can approve or decline the appointment. If the doctor is not available on the preferred dates a patient selected for getting the appointment than the assistant will cancel the appointment and sent a mail for booking a new appointment. If a doctor is available the appointment will be approved by the assistant.

WorkFlow for booking an appointment

```
                    ┌─────────────────┐
                    │  Patient login the │
                    │      system       │
                    └─────────────────┘
                             │
                             ▼
                    ┌─────────────────┐
                    │    Go on the     │
                    │ book an appointment │
                    │      page        │
                    └─────────────────┘
                             │
                             ▼
                    ┌─────────────────┐
                    │ Select the service │
                    │  and the doctor   │
                    └─────────────────┘
                             │
                             ▼
                    ┌─────────────────┐
                    │  Select any two  │
                    │ preferred dates for │
                    │  booking the     │
                    │  appointment     │
                    └─────────────────┘
                             │
                             ▼
                    ┌─────────────────┐
                    │  The request for │
                    │ appointment will go │
                    │ to doctor-assistant │
                    └─────────────────┘
                             │
                             ▼
                        ◇─────────◇                    ┌──────────────────┐
                       ╱  If doctor is ╲    Yes         │ Assistant will approve │
                       ╲    free?      ╱ ────────────▶  │   the appointment    │
                        ◇─────────◇                    └──────────────────┘
                             │  No
                             ▼
                    ┌─────────────────┐
                    │ Assistant will decline │
                    │   the appointment    │
                    └─────────────────┘
```