# Hospital Management System (HMS)

# 2025

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# To track all Doctors, Patients and their Appointments

Your organization have been asked to develop hospital management system, which helps to keep details of all their doctors, patients and appointments.

**Create a microservice based application.**

**Admin features –**

Create, delete doctors and patients

**Doctor Features**

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View his/her appointments, Cancel Appointment

**Patient features-**

Book appointment, cancel appointment, view his/her appointment, view his/her details

- **Every Actor MUST login before accessing any end point**
- **Use JWT**
- **Create front-end using Angular**

**Micro-services design:**
Note that every microservice is a separate Spring Boot project.
Each microservice MUST maintain its own independent DB.

**Application MUST use -**
1) Maven
2) JPA - Database

3) Spring Boot Microservices (API Gateway, Eureka, Cloud Config Server, Open feign)
4) Angular – components, services,routing etc

**Application MUST follow –**
1) Layered Architecture Design (DAO, Service, RestController)
2) Naming Conventions for classes, packages, variables, methods.
3) Appropriate Exception Handling.
4) Closing resources appropriately
5) O/P.