Assignment = 01

WBS of Hospital Management System

1) Project Initiation   (Phase)

1.1) Project Planning   (Module)

1.1.1) Define Scope   (Feature)

→ Identify project objectives   (Sub-feature)

→ Define Deliverables   (Sub-Feature)

1.1.2) Identify Stakeholders   (feature)

→ List key stakeholders   (Sub-Feature)

→ Conduct stakeholder meeting   (Sub-Feature)

1.1.3) Create Time Line   (Feature)

→ Develop project Schedule   (Sub-feature)

→ Set Milestones   (Sub-feature)

1.1.4) Allocate Resources   (Feature)

→ Assign Team Roles   (Sub-Feature)

→ Allocate Budget   (Sub-Feature)

1.1.5) Set Repository   (feature)

→ Set Git Repo.   (Sub-feature)

→ Define Version Control Strategy   (Sub-feature)

2) System Design   (Phase)

2.1) Requirements And Uses Cases   (Module)

2.1.1) Define Requirements   (feature)

→ Functional Requirement   (Sub-feature)

→ Non-Functional Requirement   (Sub-Feature)

2.1.2) Create Use Cases (Feature)
→ Identify Key Use Cases (Sub-Feature)
→ Develop Use Case Diagram (Sub-Feature)
2.2) Data Base Design (Module)
2.2.1) Define Scheme (Feature)
→ Identify Entities And Attributes (Sub-Feature)
→ Design ER Diagram (Sub Feature)
2.2.2) Establish Relationships (Feature)
→ Define Primary & Secondary keys (Sub-Feature)
→ Create Indexing Strategy (Sub-Feature)
2.3) System Architecture (Module)
2.3.1) Define User Roles (Feature)
→ Define Admin Roles (Sub-Feature)
→ Define Patient/Doctor Roles (Sub-Feature)
2.3.2) Develop System Flow (Feature)
→ Define API Structure (Sub-Feature)
2.4) Wire frame And Reviews (Module)
2.4.1) UI Wire frame (Feature)
→ Design homepage wire frame (Sub-Feature)
→ Design dashboard " (Sub Feature)
2.4.2) User Feedback and Iteration (Feature)
→ Conduct Design Reviews (Sub Feature)
2 →) Implement Changes (Sub Feature)

3) Front End Development (Phase)

3.1) UI Design (Module)

3.1.1) Design Key Screens (Feature)

→ Design Log-in page (Sub-Feature)

→ Design appointment booking page (Sub feature)

3.1.2) Implement UI Elements (Feature)

→ Design Buttons and icons (Sub feature)

4) Back End Development (Phase)

4.1) Authentication (Module)

4.1.1) User Authentication (Feature)

→ Implement Log-in API (Sub Feature)

4.2) Bussiness Logic Implementation (Module)

4.2.1) Room Booking Logic (Feature)

→ Develop booking logic (Sub Feature)

→ Validate Room Availability (Sub Feature)

4.2.2) Admin functions (Feature)

→ Implement User Role management (Sub Feature)

→ Develop Hospital data Reports (Sub Feature)

5) Testing (Phase)

5.1) Unit Testing (Module)

5.1.1) UI Testing (Feature)

→ Validate Button Clicks (Sub feature)

5.2) DataBase Testing (Module)

5.2.1) Validate data (Feature)
→ Verify Appointment Scheduling (SubFeature)

5.3) Bug fixing (Module)
5.3.1) Identify and Resolve Issues (Feature)
→ Implement Fixes & Restart (Sub Feature)

6) Deployment (Phase)
6.1) Deployment Preparation (Module)
6.1.1) Setup Hosting (Feature)
→ Implement/Install software (SubFeature)
6.1.2) Deploy Code (Feature)
→ Push Code to Production (Sub Feature)
6.1.3) Production Testing (Feature)
→ Conduct Final System Testing (Sub Feature)

7) Maintanance (Phase)
7.1) Performance Monitor (Module)
7.1.1) Monitor System Performance (Feature)
→ Track server response time (Sub Feature)
→ Identify System Bottlenecks (Sub Feature)
7.2) System Enhancement (Module)
7.2.1) Install/Implement Updates (Feature)
→ Optimize System Performance (Sub Feature)
→ Release New versions (Sub Feature)