Scope Statement and WBS

MediBook: Health Professionals Appointment App

Group 7

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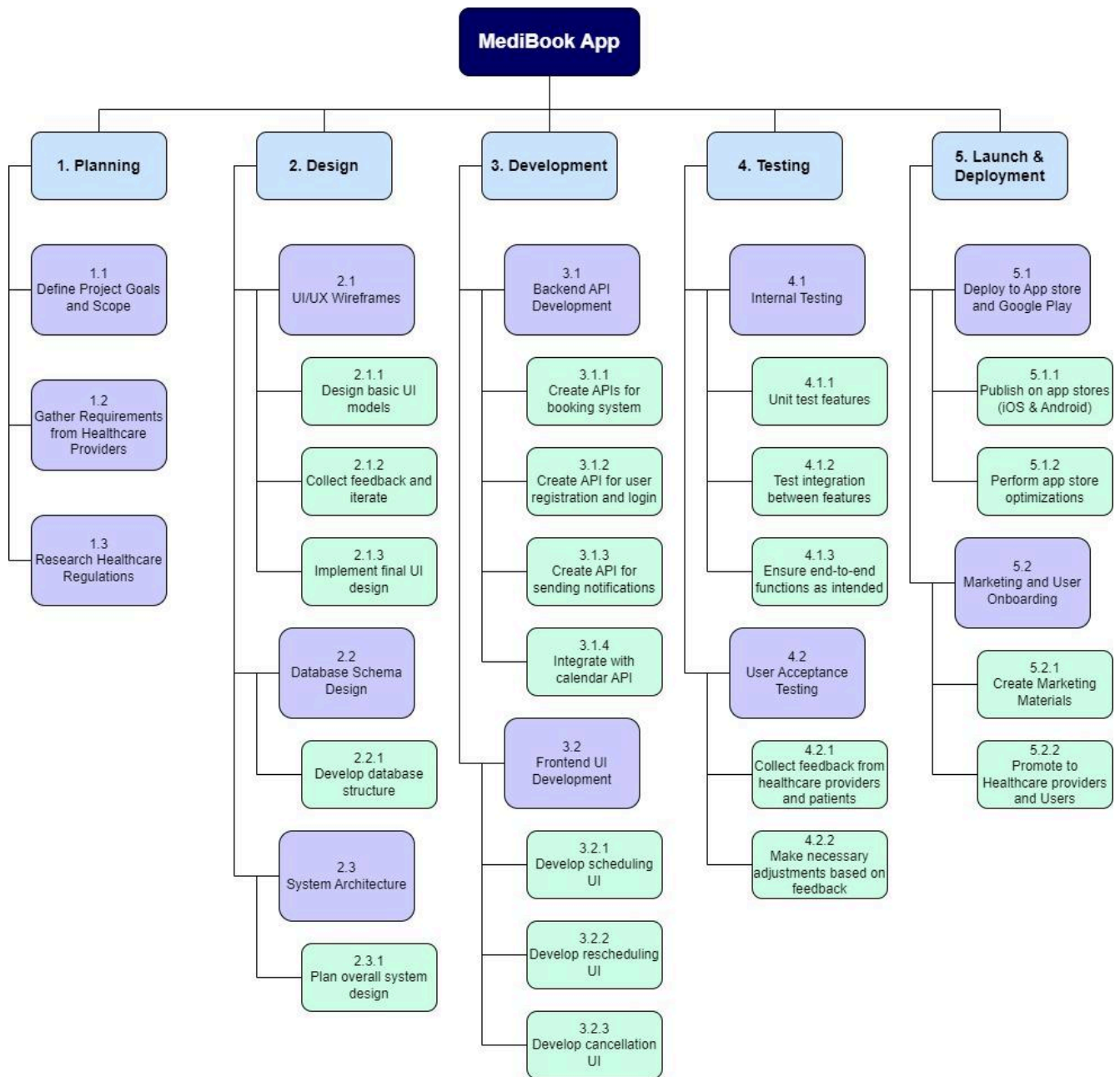- Luca Novello

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SCOPE STATEMENT

Project title	MediBook: Health Professionals Appointment App
Date	February 17, 2025
Project Manager	Matin Salimzadeh
Project Scope Description	The project involves developing a mobile application that enables patients to book, reschedule, and cancel healthcare appointments. The app will integrate with provider schedules, send reminders, and improve accessibility.
Project Objective	To reduce no-shows, improve scheduling efficiency, and provide a user-friendly digital solution for healthcare appointment booking.
Project high level requirements	1. Mobile-friendly interface 2. Appointment booking & cancellation 3. Automated reminders & notifications 4. Secure user authentication & data privacy compliance 5. Calendar integration for real-time availability
In scope	● Mobile app for iOS & Android ● User account creation & login ● Booking, rescheduling, and canceling appointments ● Notifications & reminders ● Healthcare provider availability management
Out of Scope	● In-person appointment booking ● Direct medical diagnosis or consultation ● Payment processing within the app
Approved by	● Matin Salimzadeh ● Theo Oey ● Johnny Nguyen ● Xinran Chen ● Luca Novello

WBS DIAGRAM

MediBook App

1. Planning
- **1.1** Define Project Goals and Scope
- **1.2** Gather Requirements from Healthcare Providers
- **1.3** Research Healthcare Regulations

2. Design
- **2.1** UI/UX Wireframes
  - **2.1.1** Design basic UI models
  - **2.1.2** Collect feedback and iterate
  - **2.1.3** Implement final UI design
- **2.2** Database Schema Design
  - **2.2.1** Develop database structure
- **2.3** System Architecture
  - **2.3.1** Plan overall system design

3. Development
- **3.1** Backend API Development
  - **3.1.1** Create APIs for booking system
  - **3.1.2** Create API for user registration and login
  - **3.1.3** Create API for sending notifications
  - **3.1.4** Integrate with calendar API
- **3.2** Frontend UI Development
  - **3.2.1** Develop scheduling UI
  - **3.2.2** Develop rescheduling UI
  - **3.2.3** Develop cancellation UI

4. Testing
- **4.1** Internal Testing
  - **4.1.1** Unit test features
  - **4.1.2** Test integration between features
  - **4.1.3** Ensure end-to-end functions as intended
- **4.2** User Acceptance Testing
  - **4.2.1** Collect feedback from healthcare providers and patients
  - **4.2.2** Make necessary adjustments based on feedback

5. Launch & Deployment
- **5.1** Deploy to App store and Google Play
  - **5.1.1** Publish on app stores (iOS & Android)
  - **5.1.2** Perform app store optimizations
- **5.2** Marketing and User Onboarding
  - **5.2.1** Create Marketing Materials
  - **5.2.2** Promote to Healthcare providers and Users

WBS DICTIONARY

WBS ID	Task Name	Description	Owner
1. PLANNING			
1.1	Define Project Goals and Scope	Identify and document key project objectives and scope.	Team Lead
1.2	Gather Requirements from Healthcare Providers	Collect needs from healthcare providers.	Research Team
1.3	Research Healthcare Regulations	Investigate compliance requirements.	Research Team
2. DESIGN			
2.1	UI/UX Wireframes	Design user-friendly app screens and interface.	Designer
2.1.1	Design basic UI models	Create initial wireframes for the app interface.	Designer
2.1.2	Collect feedback and iterate	Review wireframes with stakeholders and revise.	Designer
2.1.3	Implement final UI design	Finalize and prepare the UI for development.	Designer
2.2	Database Schema Design	Design database tables and relationships for data storage.	Developer
2.2.1	Develop database structure	Create tables and relationships for storing data.	Database Engineer
2.3	System Architecture	Define the overall structure, modules, and technologies.	Lead Developer
2.3.1	Plan overall system design	Design technical architecture and infrastructure.	Lead Developer
3. DEVELOPMENT			
3.1	Backend API development	Develop APIs for user authentication and booking.	Backend Developer
3.1.1	Create APIs for booking system	Build API endpoints for scheduling appointments.	Backend Developer
3.1.2	Create API for user registration and login	Develop user authentication endpoints.	Backend Developer
3.1.3	Create API for sending notifications	Develop endpoints for in-app and email notifications.	Backend Developer
3.1.4	Integrate with calendar API	Connect the booking system with calendar services.	Backend Developer

3.2	Frontend Development	Build the mobile app interface.	Developer
3.2.1	Develop scheduling UI	Create screens for booking appointments.	Frontend Developer
3.2.2	Develop rescheduling UI	Implement rescheduling functionality on the app.	Frontend Developer
3.2.3	Develop cancellation UI	Add options for canceling appointments.	Frontend Developer
4. TESTING			
4.1	Internal Testing	Conduct functional and integration testing.	QA Tester
4.1.1	Unit test features	Test individual components and modules.	QA Tester
4.1.2	Test integration between features	Ensure compatibility between modules.	QA Tester
4.1.3	Ensure end-to-end functions as intended	Test full user workflows and app behavior.	QA Tester
4.2	User Acceptance Testing	Gather feedback from end-users and adjust the app.	QA Tester
4.2.1	Collect feedback from healthcare providers and patients	Conduct surveys and usability tests.	QA Tester
4.2.2	Make necessary adjustments based on feedback	Implement updates based on feedback.	Development Team
5. LAUNCH & DEPLOYMENT			
5.1	Deploy to App Store and Google Play	Publish the app for users on iOS and Android.	Developer
5.1.1	Publish on app stores (iOS & Android)	Complete submission and review processes.	Developer
5.1.2	Perform app store optimizations	Optimize app descriptions, keywords, and visuals.	Marketing Team
5.2	Marketing & Onboarding	Promote app and provide user training.	Marketing Team
5.2.1	Create Marketing Materials	Develop ads, videos, and promotional content.	Marketing Team
5.2.2	Promote to Healthcare providers and Users	Conduct outreach campaigns and webinars.	Marketing Team