

Project Scheduling Plan

# **MediBook: Booking App for Health Professionals**

## **Group 7**

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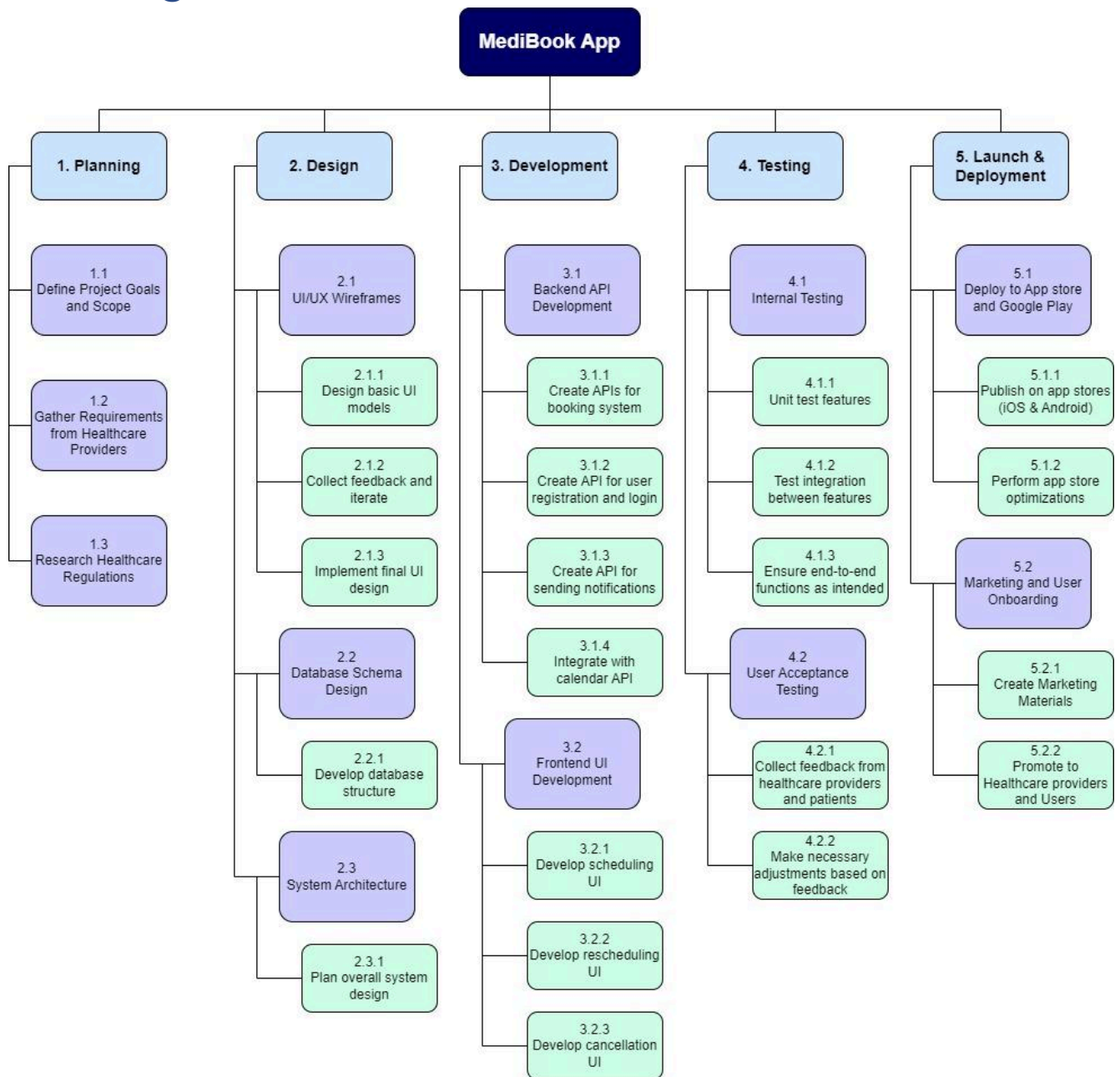
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# WBS

## WBS Diagram



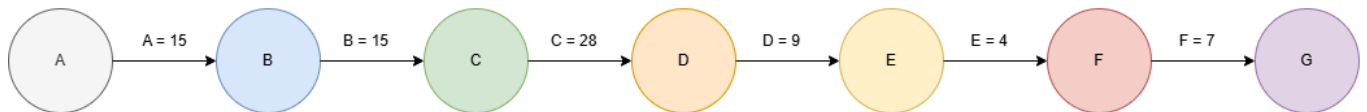
# WBS Dictionary

WBS ID	Task Name	Description	Owner
<b>1. PLANNING</b>			
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
<b>2. DESIGN</b>			
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
<b>3. DEVELOPMENT</b>			
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
<b>4. TESTING</b>			
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
<b>5. LAUNCH &amp; DEPLOYMENT</b>			
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

# NETWORK DIAGRAM

Table				
Node	Phase	Task Range	Duration	Predecessor(s)
A	Planning	2-4	15 days	Start
B	Design	8-10	15 days	A
C	Development	18-25	28 days	B
D	Testing	29-31	9 days	C
E	UAT & Adjustments	33-34	4 days	D
F	Launch & Deployment	42	7 days	E
G	End	-	0 days	F



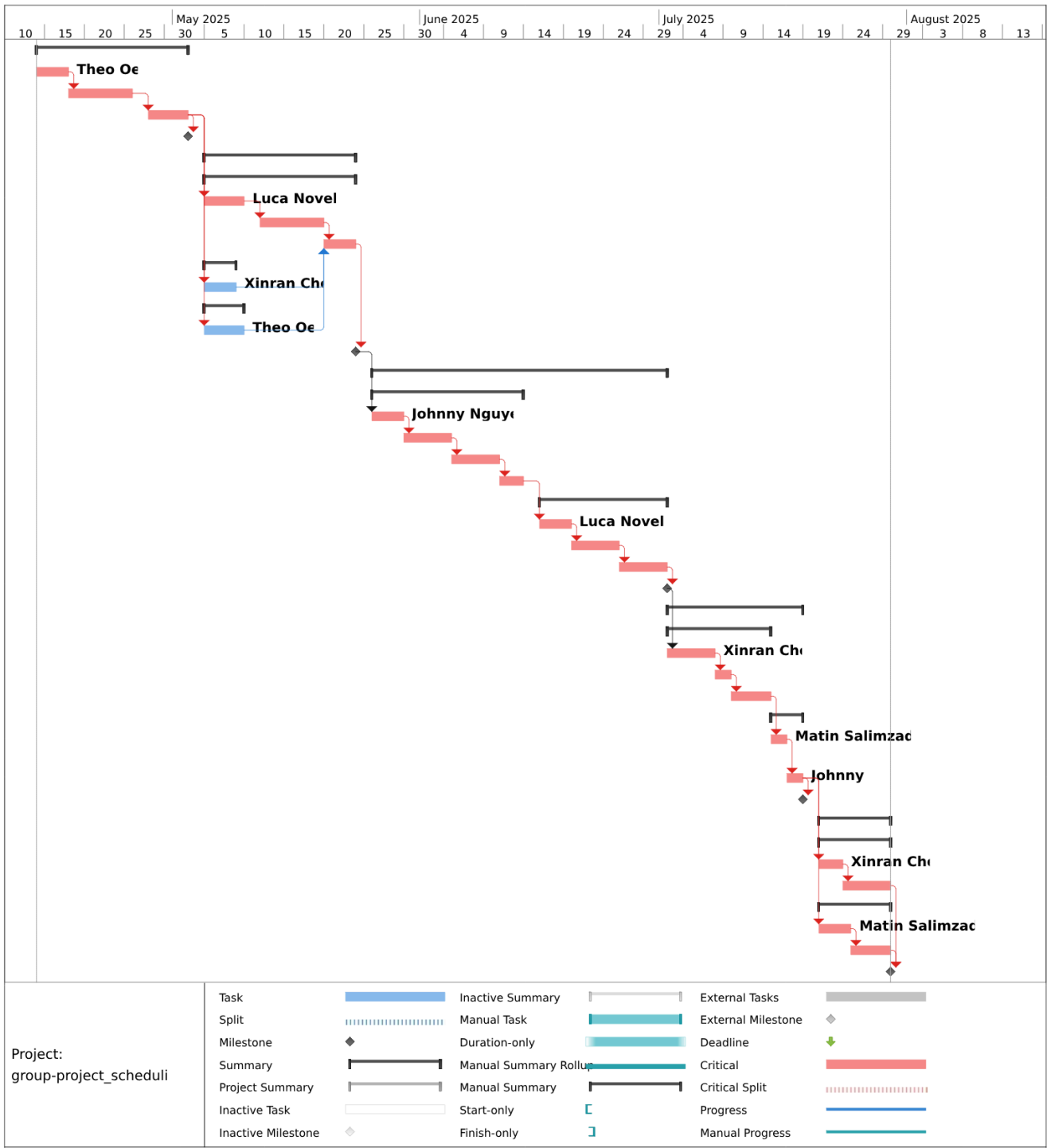
# TASK DEPENDENCIES

Dependent Task	Depends On	Dependency Type	Internal/ External	Mandatory/ Discretionary
Gather Requirements	Define Project Goals and Scope	FS	Internal	Mandatory
Research Healthcare Regulations	Gather Requirements	FS	Internal	Mandatory
Design basic UI models	Research Healthcare Regulations	FS	Internal	Mandatory
Collect feedback and iterate	Design basic UI models	FS	Internal	Mandatory
Implement final UI design	Collect feedback, Plan System, DB Design	FS	Internal	Mandatory
Develop database structure	Research Healthcare Regulations	FS	Internal	Mandatory
Plan overall system design	Research Healthcare Regulations	FS	Internal	Mandatory
Create APIs for booking system	Design Complete	FS	Internal	Mandatory
Create API for user registration/login	Booking API	FS	Internal	Mandatory
API for sending notifications	Registration/Login API	FS	Internal	Mandatory
Calendar API integration	Notifications API	FS	Internal	Mandatory
Develop Scheduling UI	Calendar Integration	FS	Internal	Mandatory
Rescheduling UI	Scheduling UI	FS	Internal	Mandatory
Cancellation UI	Rescheduling UI	FS	Internal	Mandatory
Unit test features	Development Complete	FS	Internal	Mandatory
Integration testing	Unit testing	FS	Internal	Mandatory
End-to-end testing	Integration testing	FS	Internal	Mandatory
Collect feedback (UAT)	End-to-end testing	FS	Internal	Mandatory
Make adjustments from UAT	Feedback collection	FS	Internal	Mandatory
Publish on app stores	Adjustments from UAT	FS	Internal	Mandatory
App Store Optimization	App Published	FS	Internal	Discretionary
Create marketing materials	Adjustments from UAT	FS	Internal	Discretionary
Promote to healthcare providers & users	Marketing materials created	FS	Internal	Discretionary
Final Launch	App Optimized & Promotion Complete	FS	Internal	Mandatory

# GANTT CHART

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names					April 2025	5	10
1		<b>Planning</b>	15 days	Mon 4/14/25	Fri 4/19/25									
2		Define Project Goals and Scope	4 days	Mon 4/14/25	Th 4/18/25		Theo Oey							
3		Gather Requirements from Healthcare Providers	6 days	Fri 4/18/25	Fri 4/25/25	2	Matin Salimzadeh							
4		Research Healthcare Regulations	5 days	Mon 4/28/25	Fri 5/2/25	3	Theo Oey							
5		Planning phase complete	0 days	Fri 5/2/25	Fri 5/2/25	4								
6		<b>Design</b>	15 days	Mon 5/5/25	Fri 5/23/25									
7		<b>UI/UX Wireframes</b>	15 days	Mon 5/5/25	Fri 5/23/25									
8		Design basic UI models	5 days	Mon 5/5/25	Fri 5/9/25	4	Luca Novello							
9		Collect feedback and iterate	6 days	Mon 5/12/25	Mon 5/19/25		Luca Novello							
10		Implement final UI design	4 days	Tue 5/20/25	Fri 5/23/25	9,14,12	Luca Novello							
11		<b>Database Schema Design</b>	4 days	Mon 5/5/25	Thu 5/8/25									
12		Develop database structure	4 days	Mon 5/5/25	Thu 5/8/25	4	Xinran Chen							
13		<b>System Architecture</b>	5 days	Mon 5/5/25	Fri 5/9/25									
14		Plan overall system design	5 days	Mon 5/5/25	Fri 5/9/25	4	Theo Oey							
15		Design phase complete	0 days	Fri 5/23/25	Fri 5/23/25	10								
16		<b>Development</b>	27 days	Mon 5/26/25	Tu 6/3/25									
17		<b>Backend API Development</b>	15 days	Mon 5/26/25	Fri 6/6/25									
18		Create APIs for booking system	4 days	Mon 5/26/25	Th 5/29/25	15	Johnny Nguyen							
19		Create API for user registration and login	4 days	Fri 5/30/25	Wed 6/4/25	18	Johnny Nguyen							
20		Create API for sending notifications	4 days	Thu 6/5/25	Tue 6/10/25	19	Johnny Nguyen							
21		Integrate with calendar API	3 days	Wed 6/11/25	Fri 6/13/25	20	Johnny Nguyen							
22		<b>Frontend UI Development</b>	12 days	Mon 6/16/25	Tu 6/24/25									
23		Develop Scheduling UI	4 days	Mon 6/16/25	Th 6/19/25	21	Luca Novello							
24		Develop rescheduling UI	4 days	Fri 6/20/25	Wed 6/25/25	23	Luca Novello							
25		Develop cancellation UI	4 days	Thu 6/26/25	Tue 7/1/25	24	Luca Novello							
26		Development phase complete	0 days	Tue 7/1/25	Tue 7/1/25	25								
27		<b>Testing</b>	13 days	Wed 7/2/25	Fri 7/18/25									
28		<b>Internal Testing</b>	9 days	Wed 7/2/25	Mon 7/14/25									
29		Unit test features	4 days	Wed 7/2/25	Mon 7/7/25	26	Xinran Chen							
30		Test integration between features	2 days	Tue 7/8/25	Wed 7/9/25	29	Xinran Chen							
31		Ensure end-to-end functions as intended	3 days	Thu 7/10/25	Mon 7/14/25	30	Xinran Chen							
32		<b>User Acceptance Testing</b>	4 days	Tue 7/15/25	Fri 7/18/25									
33		Collect feedback from healthcare providers and patients	2 days	Tue 7/15/25	Wed 7/16/25	31	Matin Salimzadeh							
34		Make necessary adjustments based on feedback		Thu 7/17/25	Fri 7/18/25	33	Johnny Nguyen							
35		Testing phase complete	0 days	Fri 7/18/25	Fri 7/18/25	34								
36		<b>Launch and Deployment</b>	7 days	Mon 7/21/25	Tu 7/29/25									
37		<b>Deploy to App stores</b>	7 days	Mon 7/21/25	Tu 7/29/25									
38		Publish on app stores (IOS & Android)	3 days	Mon 7/21/25	Wi 7/22/25		Xinran Chen							
39		Perform app store optimizations	4 days	Thu 7/24/25	Tue 7/29/25	38	Johnny Nguyen							
40		<b>Marketing and User Onboarding</b>	7 days	Mon 7/21/25	Tu 7/29/25									
41		Create marketing materials	4 days	Mon 7/21/25	Th 7/24/25	34	Matin Salimzadeh							
42		Promote to healthcare providers and users	3 days	Fri 7/25/25	Tue 7/29/25	41	Matin Salimzadeh							
43		Launch and deployment phase complete	0 days	Tue 7/29/25	Tue 7/29/25	39,42								
Project: group-project_scheduli		<div> <div> <div>Inactive Summary</div> <div>Split</div> <div>Milestone</div> <div>Summary</div> <div>Project Summary</div> <div>Inactive Task</div> <div>Inactive Milestone</div> </div> <div> <div>Manual Task</div> <div>Duration-only</div> <div>Manual Summary Rollup</div> <div>Manual Summary</div> <div>Start-only</div> <div>Finish-only</div> </div> <div> <div>External Tasks</div> <div>External Milestone</div> <div>Deadline</div> <div>Critical</div> <div>Critical Split</div> <div>Progress</div> <div>Manual Progress</div> </div> </div>												





# CRITICAL PATH

Phase	Duration
Planning(2-4)	15 days
Design(8-10)	15 days
Development(18-25)	28 days
Testing (29-31)	9 days
UAT & Adjustments (33-34)	4 days
Launch & Deployment	7 days
<b>Total Duration</b>	<b>~74 working days</b>