

Project Planning Phase for "Book A Doc"

Field	Details
Date	10 April 2025
Team ID	SWTID1743701170
Project Name	Book A Doc

Planning Logic Overview

Concept	Description
Sprint	A fixed 5-day period where the team completes a set of tasks.
Epic	A large task (e.g., "Develop Booking System") broken into smaller stories across multiple sprints.
Story	A small, manageable task (e.g., "Patient Registration") within an epic.
Story Point	Effort estimate using Fibonacci series (1 = Very Easy, 2 = Easy, 3 = Moderate, 5 = Difficult).
Velocity	Average story points completed per sprint, calculated as Total Story Points / Number of Sprints.

Sprint Planning

Epic: Develop Booking System

Sprint 1: (March 26 - March 30, 2025) - 5 Days

Story	Story Point	Description
User Authentication Setup	2	Set up basic login/register endpoints with JWT.
Database Schema Design	3	Design MongoDB schemas for Users, Appointments, and Earnings.
API Endpoint Creation	2	Create initial APIs for authentication.
Sprint 1 Total	7	

Sprint 2: (March 31 - April 4, 2025) - 5 Days

Story	Story Point	Description
Patient Booking Feature	3	Implement booking form and API logic.
Doctor Dashboard	5	Develop dashboard for appointments and earnings.
Payment Integration	3	Integrate Stripe for online payments.
Sprint 2 Total	11	

#### Sprint 3: (April 5 - April 9, 2025) - 5 Days

Story	Story Point	Description
Admin Management Panel	5	Build admin dashboard for appointment and doctor management.
UI Optimization	2	Enhance responsiveness and styling of all pages.
Testing and Bug Fixes	3	Conduct unit and integration tests, fix identified issues.
Sprint 3 Total	10	

#### Sprint 4: (April 10 - April 14, 2025) - 5 Days

Story	Story Point	Description
Final Deployment	3	Deploy application to a live server (e.g., Heroku).
Documentation	2	Prepare FSD documentation and UAT reports.
User Acceptance Testing	3	Conduct UAT with end-users and obtain sign-off.
Sprint 4 Total	8	

---

#### Velocity Calculation

Metric	Details
Total Story Points	7 (Sprint 1) + 11 (Sprint 2) + 10 (Sprint 3) + 8 (Sprint 4) = 36
Number of Sprints	4
Velocity	$36 / 4 = 9$ Story Points per Sprint

**Note: Velocity is 9 Story Points per Sprint, reflecting the team’s capacity based on planned sprints.**

---

## **How to Complete the Document**

### **1. Update Sprint Dates and Stories**

- **Action: Adjust sprint dates to match your actual schedule (e.g., March 26 - April 14, 2025).**
- **Action: Refine stories and story points based on your progress (e.g., increase to 5 for complex tasks).**
- **In Document: Edit the “Sprint Planning” tables with actual data.**

### **2. Track Completed Story Points**

- **Action: Record completed story points from March 26 - April 10, 2025.**
- **Action: Recalculate velocity using actual completed points (e.g., if only 20 points done, velocity =  $20 / 4 = 5$ ).**
- **In Document: Update the “Velocity Calculation” table.**

### **3. Add Evidence**

- **Action: Capture screenshots of sprint progress (e.g., task boards, burndown charts).**
- **Save as Sprint\_Progress\_Screenshots.png.**
- **In Document: Insert under “Sprint Planning” with a caption like “Figure 1: Sprint Progress for Book A Doc”.**

### **4. Format the Document**

- **Action: Use Times New Roman, 12pt font, bold section headings (e.g., “Planning Logic Overview”).**
- **Add page numbers: Insert > Page Number > Bottom center.**
- **Adjust table column widths for readability.**

### **5. Save the Document**

- **Action: Save as Book\_A\_Doc\_Planning.docx and export as Book\_A\_Doc\_Planning.pdf.**

### **6. Bundle with Submission**

- **Action: Add to the existing zip file (SWTID1743701170\_Book\_A\_Doc\_Submission\_20250410.zip) with the FSD document, UAT, Model Performance Tests, Problem-Solution Fit, Proposed Solution, Solution Architecture, and product code.**
- **Update README.txt with this document's inclusion.**

**7. Submit by April 12-14, 2025**

- **Action: Follow submission guidelines (e.g., email or portal) with the updated zip.**

**Timeline**

- **April 10, 2025: Complete steps 1-3 (update dates/stories, track points, add evidence).**
- **April 11, 2025: Finalize steps 4-6 (format, bundle).**
- **April 12-14, 2025: Submit step 7.**