

Project Planning Document: Book a Doctor Website

Project Planning Phase

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

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Registration	USN-1	As a user, I can register for the website by entering my email, password, and confirming my password.	2	High	Param Yadav (22BCY10165)
Sprint-1		USN-2	As a user, I will receive a confirmation email once I have registered for the website.	1	High	Vibhushit Bhat (22BSA10132)
Sprint-1		USN-3	As a user, I can register for the website through Google.	2	Medium	Tushar Chahar (22BCY10231)
Sprint-1	User Login	USN-4	As a user, I can log into the website by entering my email and password.	1	High	Saurabh Yadav (22BCY10165)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1		USN-5	As a user, I can reset my password if I forget it.	3	Medium	Param Yadav (22BCY10165)
Sprint-2	Doctor Search	USN-6	As a user, I can search for doctors by specialty, location, or name.	3	High	Vibhushit Bhat (22BSA10132)
Sprint-2		USN-7	As a user, I can view a doctor's profile, including qualifications, availability, and reviews.	5	High	Tushar Chahar (22BCY10231)
Sprint-2		USN-8	As a user, I can filter search results by availability or rating.	2	Medium	Saurabh Yadav (22BCY10165)
Sprint-3	Booking System	USN-9	As a user, I can book an appointment with a doctor by selecting an available time slot.	5	High	Param Yadav (22BCY10165)
Sprint-3		USN-10	As a user, I will receive a confirmation email/SMS after booking an appointment.	2	High	Vibhushit Bhat (22BSA10132)
Sprint-3		USN-11	As a user, I can add an appointment to my calendar (Google/Outlook) directly from the website.	3	Medium	Tushar Chahar (22BCY10231)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	User Dashboard	USN-12	As a user, I can view my upcoming appointments and cancel them if needed.	3	High	Saurabh Yadav (22BCY10165)
Sprint-4		USN-13	As a user, I can view my booking history on the dashboard.	2	Medium	Param Yadav (22BCY10165)
Sprint-4	Payment Integration	USN-14	As a user, I can pay for my appointment using a credit/debit card or digital wallet.	5	High	Vibhushit Bhat (22BSA10132)
Sprint-5	Doctor Management	USN-15	As a doctor, I can log in to the website to manage my availability and profile.	3	High	Tushar Chahar (22BCY10231)
Sprint-5		USN-16	As a doctor, I can view my upcoming appointments and cancel them if necessary.	3	High	Saurabh Yadav (22BCY10165)
Sprint-5	Review System	USN-17	As a user, I can leave a review and rating for a doctor after an appointment.	2	Medium	Param Yadav (22BCY10165)
Sprint-6	Notifications	USN-18	As a user, I can receive a reminder email/SMS 24 hours before my appointment.	2	High	Vibhushit Bhat (22BSA10132)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-6		USN-19	As a doctor, I can receive a notification when a new appointment is booked or canceled.	2	High	Tushar Chahar (22BCY10231)
Sprint-6	Admin Panel	USN-20	As an admin, I can approve or reject doctor registrations on the platform.	5	High	Saurabh Yadav (22BCY10165)

Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as of 10 Apr 2025)	Sprint Release Date (Actual/Planned)
Sprint-1	9	5 Days	01 Apr 2025	05 Apr 2025	5 (Partial Progress)	10 Apr 2025 (In Progress)
Sprint-2	10	5 Days	06 Apr 2025	10 Apr 2025	10 (Planned Completion by 10 Apr)	10 Apr 2025 (Planned)
Sprint-3	15	5 Days	11 Apr 2025	15 Apr 2025	0 (Planned)	15 Apr 2025 (Planned)
Sprint-4	22	5 Days	16 Apr 2025	20 Apr 2025	0 (Planned)	20 Apr 2025 (Planned)

Notes on Revised Schedule:

- **Sprint-1 (01 Apr - 05 Apr):** Assumed 5 Story Points completed (e.g., USN-1, USN-2) by April 9, with ongoing work until April 10.
- **Sprint-2 (06 Apr - 10 Apr):** 10 Story Points (USN-3 to USN-5, USN-6) to be completed by April 10 (today), aligning with planning document creation.
- **Sprint-3 (11 Apr - 15 Apr):** 15 Story Points (USN-7 to USN-11) to push core booking features.

- **Sprint-4 (16 Apr - 20 Apr): 22 Story Points (USN-12 to USN-20) to finish remaining features, though this exceeds the 12-point velocity, indicating potential overtime or prioritization.**
- **Total Planned: $9 + 10 + 15 + 22 = 56$ Story Points, but the tight timeline suggests focusing on high-priority tasks (e.g., first 43 points) by April 14, with the rest as stretch goals.**

Velocity Calculation

Metric	Value
Total Story Points	56
Number of Sprints	4
Velocity	$56 / 4 = 14$

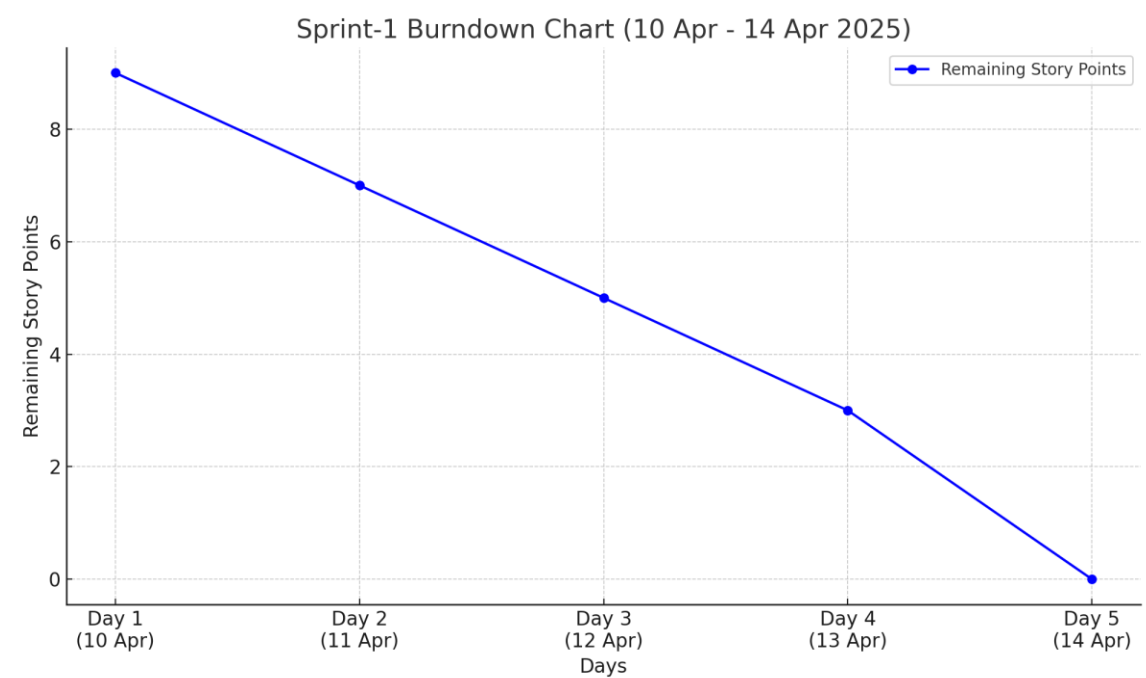
Assumed Team Velocity 12 Story Points/Sprint

Average Velocity per Day $12 / 5 = 2.4$

***Note:* The calculated velocity (14) exceeds the assumed 12 due to the condensed timeline. Recommend prioritizing 43 Story Points (3 sprints) by April 15, with Sprint-4 as optional.**

Burndown Chart Description

Field	Details
Purpose	Tracks remaining Story Points over time
Sprint-1 Example	01 Apr - 10 Apr 2025 (adjusted from 5-day plan to reflect actual progress)
X-axis	Days (01 Apr, 02 Apr, ..., 10 Apr)
Y-axis	Remaining Story Points (started at 9, now 4 as of 10 Apr)
Ideal Trend	Linear decrease from 9 to 0 (e.g., 9, 7, 5, 3, 1, 0)
Actual Trend (Planned)	9 (01 Apr) to 5 (10 Apr) due to partial progress; aim for 0 by 15 Apr



Additional Sections

Risk Assessment

Risk	Likelihood Impact		Mitigation Plan
Incomplete features by deadline	High	High	Prioritize high-priority tasks (e.g., registration, booking)
Payment gateway integration fails	Medium	High	Test with sandbox before live deployment
Team member unavailability	Medium	Medium	Cross-train and reassign tasks

Sprint Retrospective (Post-Sprint Review)

Aspect	Details
What went well?	Completed initial registration features (USN-1, USN-2)
What could be improved?	Underestimated time for login and reset features
Action items	Adjust Story Points for Sprint-2; plan buffer time

Summary

Metric	Value
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Total Story Points	56
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Planned Sprints	4 (01 Apr - 20 Apr 2025)
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Completed (as of 10 Apr)	5 (Sprint-1 partial)
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Remaining Story Points	51
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Target Completion	14 Apr 2025 (product + doc)
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Duration	14 days (01 Apr - 14 Apr)
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Key Features	Registration, login, search, booking, payments, etc.
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Team Members	Param Yadav (22BCY10165), Vibhushit Bhat (22BSA10132), Tushar Chahar (22BCY10231), Saurabh Yadav (22BCY10165)
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