

Project Planning Phase

Date	15 February 2025
Team ID	SWTID1743517106
Project Name	Book A Doctor
Maximum Marks	5 Marks

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 with name, contact, email, and password	3	High	A, B
Sprint-1	User Login	USN-2	As a user, I can log in with email and password	2	High	D
Sprint-1	View Doctors	USN-3	As a user, I can browse available doctors by specialization	3	High	B, D
Sprint-2	Book Appointment	USN-4	As a user, I can book an appointment with a doctor based on availability	4	High	A, D
Sprint-2	View Bookings	USN-5	As a user, I can view my upcoming and past doctor appointments	3	Medium	A, C
Sprint-2	Cancel Appointment	USN-6	As a user, I can cancel or reschedule appointments	2	Medium	B
Sprint-3	Admin Login	USN-7	As an admin, I can log in to manage doctors and appointments	2	High	B, C
Sprint-3	Add/Update Doctor Profile	USN-8	As an admin, I can add or update doctor profiles (name, spec., time slots)	3	High	A
Sprint-4	View Appointments (Admin)	USN-9	As an admin, I can view all appointments and patient details	3	High	C

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Appointment Status Updates	USN-10	As a doctor/admin, I can mark appointments as completed or no-show	2	Medium	B, C
Sprint-5	Responsive UI	USN-12	As a user, I can use the system smoothly on both mobile and desktop	2	Medium	C

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	6 Days	17 Mar 2025	22 Mar 2025	10	22 Mar 2025
Sprint-2	10	6 Days	24 Mar 2025	29 Mar 2025	9	29 Mar 2025
Sprint-3	10	6 Days	31 Mar 2025	05 Apr 2025	8	02 Apr 2025
Sprint-4	10	6 Days	07 Apr 2025	12 Apr 2025	10	06 Apr 2025
Sprint-5	10	6 Days	14 Apr 2025	19 Apr 2025	9	09 Apr 2025

Velocity:

$$\text{Velocity} = \frac{\text{Total Story Points Completed}}{\text{Number of Sprints}}$$

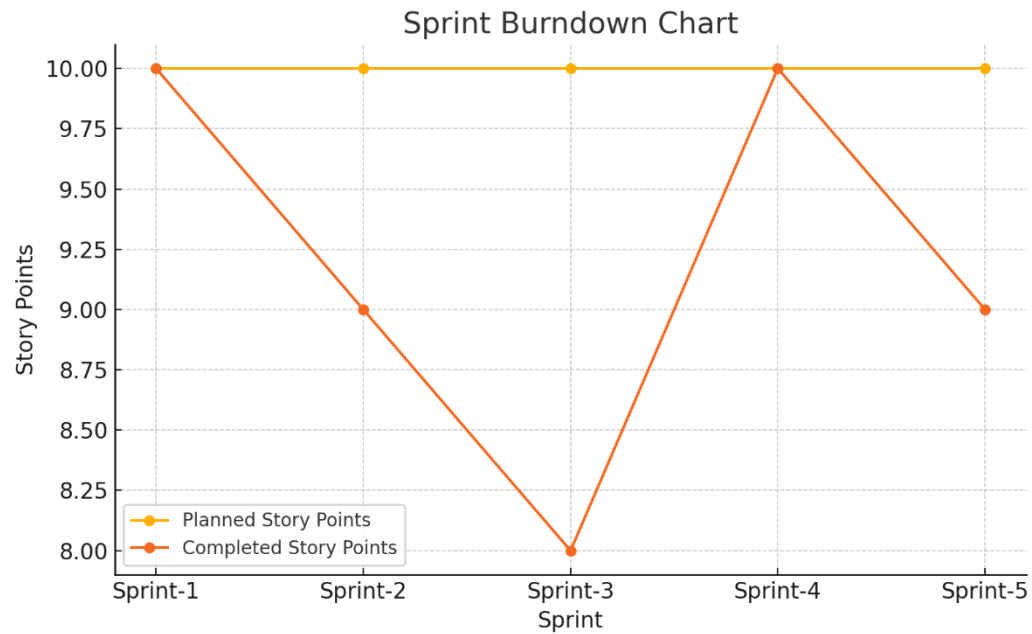
Total Story Points = 10 + 9 + 8 + 10 + 9 = 46

Number of Sprints = 5

$$Velocity = \frac{46}{5} = 9.2 \text{ (Story points per sprint)}$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time.



Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>