

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	15 February 2025
Team ID	SWTID1743602505
Project Name	SHOPSMART
Maximum Marks	5 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Project Setup & Authentication	USN-1	<ul style="list-style-type: none"> As a user, I did Project Setup & Installation. Environment configuration Create Login/Signup Pages – User Model & Auth Logic (Django) – Session Handling 	11	High	
Sprint-2	Product Management	USN-2	<p>As a user, I Product Handling</p> <ul style="list-style-type: none"> Create Product Model – Admin Product Add/Edit/Delete – Product Listing Page (Frontend) – Story Point: 2 Product Details Page 	10	High	

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Cart & Orders	USN-3	<p>As a user, I planned Cart and orders</p> <ul style="list-style-type: none"> • Add to Cart Button & Logic – • Cart Page – • Update/Delete Cart Items – Create Order Model – • Checkout Page – • Order Summary & Success Page – 	15	Low	
Sprint-4	Final Touches & Deployment	USN-4	<p>As a user, I did UI Polishes</p> <ul style="list-style-type: none"> • Add Styling & Mobile Optimization – • Basic Search/Filter Function – Testing & Bug Fixes – 	13	Medium	
Sprint-5	User Profile, Order History & Admin Enhancements	USN-5	As a user, I made User Profile, Admin Dashboard and Payment Integration	21	High	
	Dashboard					

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	11	6 Days	20 Feb 2025	26 Feb 2025	11	26 Feb 2025
Sprint-2	10	6 Days	4 Mar 2025	10 Mar 2025	10	10 Mar 2025
Sprint-3	15	6 Days	16 Mar 2025	21Mar 2025	15	21Mar 2025
Sprint-4	13	6 Days	27 Mar 2025	3 Mar 2025	13	3 Mar 2025
Sprint 5	21	6 Days	9 Apr 2025	15 Apr 2025	21	15 Apr 2025

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

Total Story Points = 11 (Sprint 1) + 10 (Sprint 2) + 15 (Sprint 3) + 14 (Sprint 4) + 21 (Sprint 5) = **71**

Number of Sprints = 5

Velocity = $71 \div 5 = 14.2$ Story Points per Sprint

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

