

Project Planning Phase

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

Date	16 th April, 2025
Team ID	SWTID1744119659
Project Name	ShopEZ: Online E-Commerce Platform
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Ashit
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Arijit
Sprint-1	Registration	USN-4	As a user, I can register through Gmail	2	Medium	Atharv
Sprint-1	Login	USN-5	As a user, I can log in with email and password	1	High	Ashit
Sprint-2	Registration	USN-3	As a user, I can register through Facebook	2	Low	Nakshatra
Sprint-3	Product Listing	USN-9	As a user, I can view a list of products with basic details like name, price, and image	2	High	Arijit
Sprint-3	Product Listing	USN-10	As a user, I can apply filters (category, price range) to narrow down product listings	3	Medium	Atharv
Sprint-3	Cart	USN-11	As a user, I can add products to my cart	2	High	Ashit
Sprint-3	Cart	USN-12	As a user, I can view, update, and remove items in my cart	2	High	Atharv, Arijit
Sprint-3	Checkout	USN-13	As a user, I can proceed to checkout with address and payment info	3	High	Ashit, Nakshatra
Sprint-3	Checkout	USN-14	As a user, I will receive order confirmation after successful payment	1	Medium	Atharv

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	6	6 Days	20 March 2025	25 March 2025	6	25 March 2025
Sprint-2	2	6 Days	26 March 2025	31 March 2025	2	31 March 2025
Sprint-3	13	6 Days	1 April 2025	6 April 2025	13	6 April 2025
Sprint-4	20	4 Days	7 April 2025	10 April 2025	20	10 April 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)

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} = \frac{20}{10} = 2$$

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.