

## Project Planning Phase

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

Date	15 February 2025
Team ID	LTVIP2025TMID55069
Project Name	shopez:one-stop shop for online purchases
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Jithendran, Team
Sprint-1		USN-2	As a user, I will receive a confirmation email once I have registered for the application.	1	High	Jithendran
Sprint-2		USN-3	As a user, I can register for the application through Facebook.	2	Low	Team
Sprint-1		USN-4	As a user, I can register for the application through Gmail.	2	Medium	Jithendran
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password.	1	High	Jithendran
Sprint-2	Dashboard	USN-6	As a user, I can view available products on the dashboard.	3	High	Team

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Orders	USN-7	As a user, I can add products to my cart and view my cart details.	3	High	Team
Sprint-3		USN-8	As a user, I can place orders and track order status.	3	High	Team
Sprint-3		USN-9	As an admin, I can add, update, and delete products.	3	High	Admin
Sprint-4		USN-10	As an admin, I can view all user orders and manage them.	3	Medium	Admin

**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	20	6 Days	10 Feb 2025	15 Feb 2025	20	15 Feb 2025
Sprint-2	20	6 Days	17 Feb 2025	22 Feb 2025	18 (Estimated)	22 Feb 2025

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-3	20	6 Days	24 Feb 2025	29 Feb 2025	TBD	TBD
Sprint-4	20	6 Days	02 Mar 2025	07 Mar 2025	TBD	TBD

### 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)

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

### 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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

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

**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>