

## Project Planning Phase

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

Date	27 June 2025
Team ID	LTVIP2025TMID55709
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	Vulli Yuthika Team Leader
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Velchuri Mahesh Team Member
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	2	Low	Varshitha Talasila Team Member
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	Veeroji Kiran Team Member
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Vulli Yuthika Team Leader

**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	10 Days	27 June 2025	6 July 2025	20	6 July 2025
Sprint-2	20	10 Days	7 July 2025	16 July 2025		
Sprint-3	20	10 Days	17 July 2025	26 July 2025		
Sprint-4	20	10 Days	27 July 2025	5 August 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)

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

### **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>