

## Project Planning Phase

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

Date	31 January 2026
Team ID	LTVIP2026TMIDS42166
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 & Login	USN-1	As a user, I can register using email and password	3	High	Team
Sprint-1	Registration & Login	USN-2	As a user, I can log in securely using JWT authentication	2	High	Team
Sprint-1	Registration & Login	USN-3	As a user, I can logout from the system	1	Medium	Team
Sprint-2	Product Management	USN-4	As a user, I can view product listings	3	High	Team
Sprint-2	Product Management	USN-5	As a user, I can search and filter products	3	High	Team
Sprint-2	Product Management	USN-6	As an admin, I can add/edit/delete products	5	High	Team
Sprint-3	Cart & Orders	USN-7	As a user, I can add/remove products from cart	3	High	Team
Sprint-3	Cart & Orders	USN-8	As a user, I can place an order securely	5	High	Team
Sprint-4	Admin Dashboard	USN-9	As an admin, I can view all orders	3	Medium	Team
Sprint-4	Admin Dashboard	USN-10	As an admin, I can update order status	2	Medium	Team

**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	05 Jan 2026	10 Jan 2026	6	10 Jan 2026
Sprint-2	11	6 Days	12 Jan 2026	17 Jan 2026	11	17 Jan 2026
Sprint-3	8	6 Days	19 Jan 2026	23 Jan 2026	8	23 Jan 2026
Sprint-4	5	6 Days	25 Jan 2026	30 Jan 2026	5	30 Jan 2026

**Velocity:**

total story points completed in 4 sprints = 30

Sprint duration = 7 days

Average Velocity per Sprint =  $30 / 4 = 7.5$  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.

<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>