

Project Planning Phase

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

Date	27th June 2025
Team ID	LTVIP2025TMID45514
Project Name	FlightFinder
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	User Authentication	USN-1	As a user, I can register for the platform by entering my name, email, password, and confirming password.	2	High	Aketi Lakshmi Srujana
Sprint-1	User Authentication	USN-2	As a user, I receive a confirmation email after registering.	1	High	Aketi Lakshmi Srujana
Sprint-2	User Authentication (OAuth)	USN-3	As a user, I can register/login using Google OAuth.	2	Medium	Aketi Lakshmi Srujana
Sprint-1	Login	USN-4	As a user, I can log into the platform using my email and password.	1	Medium	Aketi Lakshmi Srujana
Sprint-1	Flight Dashboard	USN-5	As a user, I can view available flights filtered by source, destination, and date.	3	High	Aketi Lakshmi Srujana
Sprint-2	Flight Dashboard	USN-6	As a user, I can view my booking history and upcoming trips.	2	Medium	Aketi Lakshmi Srujana
Sprint-3	Flight Search + Booking	USN-7	As a user, I can search for flights and select a seat before booking.	2	High	Aketi Lakshmi Srujana

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Cart	USN-8	As a user, I can add a flight to my cart and update passenger details before checkout.	2	High	Aketi Lakshmi Srujana
Sprint-3	Checkout	USN- 9	As a user, I can securely checkout and receive a booking confirmation email.	3	High	Aketi Lakshmi Srujana

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	24 Apr 2025	29 Apr 2025	20	29 Apr 2025
Sprint-2	20	6 Days	31 Apr 2025	05 May 2025	20	05 May 2025
Sprint-3	20	6 Days	07 May 2025	12 May 2025	20	12 May 2025
Sprint-4	20	6 Days	14 May 2025	19 May 2025	20	19 May 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.

<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>