Project Planning Phase

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

Date	28th June 2025
Team ID	LTVIP2025TMID49682
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	Kalavakuri venkata subbaiah
Sprint-1	User Authentication	USN-2	As a user, I receive a confirmation email after registering.	1	High	Kalavakuri venkata subbaiah
Sprint-2	User Authentication (OAuth)	USN-3	As a user, I can register/login using Google OAuth.	2	Medium	Annapureddy srivalli
Sprint-1	Login	USN-4	As a user, I can log into the platform using my email and password.	1	Medium	Kalavakuri venkata subbaiah
Sprint-1	Flight Dashboard	USN-5	As a user, I can view available flights filtered by source, destination, and date.	3	High	Annapureddy srivalli
Sprint-2	Flight Dashboard	USN-6	As a user, I can view my booking history and upcoming trips.	2	Medium	M.balaji
Sprint-3	Flight Search + Booking	USN-7	As a user, I can search for flights and select a seat before booking.	2	High	Nayeem
Sprint-3	Cart	USN-8	As a user, I can add a flight to my cart and update passenger details before checkout.	2	High	Kalavakuri venkata subbaiah
Sprint-3	Checkout	USN- 9	As a user, I can securely checkout and receive a booking confirmation email.	3	High	M.balaji

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	4 Days	19 June 2025	22 June 2025	20	22 June 2025
Sprint-2	20	2 Days	23 June 2025	24 June 2025	20	24 June 2025
Sprint-3	20	4 Days	25 June 2025	28 June 2025	20	28 June 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)

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

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
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https://www.atlassian.com/agile/project-management/estimation
https://www.atlassian.com/agile/tutorials/burndown-charts