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

Date	23 June 2025
Team ID	LTVIP2025TMID56176
Project Name	FlightFinder: Navigating Your Air Travel
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
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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	Durga Yalagada
Sprint-1	Registration	USN-2	As a user, I will receive a confirmation email once I have registered for the application.	1	High	Durga Yalagada
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail.	2	Medium	Durga Yalagada
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password.	1	High	Durga Yalagada
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook.	2	Low	Durga Yalagada
Sprint-2	Flight Search	USN-6	As a user, I can search flights by source, destination, date, class, and passengers.	3	High	Durga Yalagada
Sprint-2	Flight Search	USN-7	As a user, I can filter flights by direct flights and preferred airlines.	3	High	Durga Yalagada

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 (2+1+2+1)	6 Days	22 Jun 2025	27 Jun 2025	6	27 Jun 2025
Sprint-2	14 (2+3+3+3+3)	6 Days	22 Jun 2025	28 Jun 2025	14	28 Jun 2025
Sprint-3	-	6 Days	-	-	-	-
Sprint-4	-	6 Days	-	-	-	-

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

https://www.atlassian.com/agile/tutorials/sprints

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

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