Project Planning Phase

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

Date	25 June 2025
Team ID	LTVIP2025TMID53161
Project Name	SB Foods - On-Demand Food Ordering Platform
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	As a data engineer, I can collect relevant food, user, and order data to prepare for model building.	2	High	Ziaur Rahaman
Sprint-1	Data Collection	USN-2	As a data engineer, I can load raw data files into memory/database for use.	1	High	Ziaur Rahaman
Sprint-1	Data Preprocessing	USN-3	As a developer, I can handle missing values to clean the dataset.	3	Medium	Sai Muneesh
Sprint-1	Data Preprocessing	USN-4	As a developer, I can handle and encode categorical variables for model readiness.	2	Medium	Sai Muneesh
Sprint-2	Model Building	USN-5	As a developer, I can build a prediction model using cleaned data.	5	High	Gopi
Sprint-2	Model Building	USN-6	As a QA engineer, I can test the performance and accuracy of the model.	3	High	Gopi

Sprint-2	Deployment	USN-7	As a frontend dev, I can design basic HTML pages to interact with the model.	3	Medium	Abhishek
Sprint-2	Deployment	USN-8	As a backend dev, I can deploy the solution using Flask to integrate with UI.	5	High	Abhishek

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	8	5 Days	16 June 2025	20 June 2025	8	20 June 2025
Sprint-2	16	5 Days	21 June 2025	26 June 2025	16	26 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

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

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

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