Project Planning Phase

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

Date	19 july 2025
Team ID	PNT2025TMID14588
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
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	Data Collection & Extraction	USN-1	As a user, I can collect housing market data from reliable sources, including prices, property types, and trend.	2	High	2
Sprint-1	Data Preprocessing	USN-2	As a user, I can preprocess data to clean and filter out unnecessary information, such as outliers, duplicates, or missing values	3	High	2
Sprint-2	Data Visualization	USN-3	As a user, I can visualize housing trends using charts, graphs, and heatmaps to understand the current market dynamics and pricing fluctuations	3	High	3
Sprint-2	Interactive Dashboard	USN-4	As a user, I can interact with a dashboard that displays live market trends, data filters, and performance insights for better decision-making	2	High	1
Sprint-3	User Stories (Dashboard Views)	USN-5	As a user, I can set custom views of the dashboard to save preferences for quick future reference (e.g., specific locations, budget, etc.)	3	Medium	2

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Web Integration	USN-6	As a user, I can integrate the dashboard and data visualizations into a website for online accessibility and usability	2	Medium	1

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	5	2 Days	18 Jun 2025	19 Jun 2025	5	19 Jun 2025
Sprint-2	5	3 Days	21 Jun 2025	23 Jun 2025	5	23 Jun 2025
Sprint-3	5	2 Days	24 Jun 2025	25 Jun 2025	5	25 Jun 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=15/3=5

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