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

Date	22 July 2025
Team ID	PNT2025TMID10117
Project Name	Visualizing Housing Market Trends
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	User Type
Sprint-1	Upload Housing Data	USN-1	As a user, I can upload CSV files containing housing market data.	2	High	Customer
Sprint-2	Fetch data from API	USN-2	As a user, I can fetch housing data from external APIs.	1	Medium	Customer
Sprint-2	Clean & Process Data	USN-3	As a user, I can apply filters & transformation to clean raw data.	2	High	Customer
Sprint-2	View Visualizations	USN-4	As a user, I can view housing market trends through interactive graphs and charts.	2	Medium	Customer

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	User Type
Sprint-3	Save & Export Reports	USN-5	As a user, I can download the generated reports in PDF/CSV format.	1	Low	Customer
Sprint-3	Manage Users	USN-6	As an admin, I can view and manage registered users.	2	High	Admin
Sprint-2	Dashboard Filtering	USN-7	As a user, I can filter the dashboard results by city, price range, or year	2	High	Customer
Sprint-4	View Usage Analytics	USN-8	As a admin , I can view how many users are using each feature.	2	High	Admin

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 Oct 2022	29 Oct 2022	1	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	7	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	3	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	1	19 Nov 2022

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
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