Project Planning Phase

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

Date	28 June 2025
Team ID	LTVIP2025TMID60628
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 Foundation	USN-1	Complete data collection, cleaning, and preparation with calculated fields for renovation analysis	8	High	All
Sprint-2	Core Visualizations	USN-2	Develop Overall Data Overview dashboard	4	High	All
Sprint-2	Core Visualizations	USN-3	Build Sales by Years Since Renovation histogram analysis	5	High	All
Sprint-2	Core Visualizations	USN-4	Create House Age Distribution pie chart	4	High	All
Sprint-2	Core Visualizations	USN-5	Develop Age Distribution by Features bar chart	5	High	All
Sprint-3	Dashboard Integration	USN-6	Combine all visualizations into a responsive dashboard with Tableau Story	10	High	All
Sprint-3	Interactive Features	USN-7	Implement filters and drill-down functionality across all visualizations	6	High	All
Sprint-4	Web Deployment	USN-8	Optimize performance, embed in Flask application, and create documentation	8	High	All

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	1 Days	26 June 2025	26 June 2025	8	26 June 2025
Sprint-2	18	1 Days	27 June 2025	27 June 2025	18	27 June 2025
Sprint-3	16	1 Days	28 June 2025	28 June 2025	16	28 June 2025
Sprint-4	8	1 Days	29 June 2025	29 June 2025	8	29 June 2025
Total	**50**	**4 Days**			**50**	

Velocity:

Total Story Points = 8 + 18 + 16 + 8 = 50 points

Number of Sprints = 4

Team Velocity = 50 ÷ 4 = 12.5 Story Points per Sprint

Daily Velocity = 12.5 Story Points per Day

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.

Burndown Chart Data for Housing Market Analysis Project:

Day	Sprint	Story Points Remaining	Ideal Burndown	Actual Progress
Day 0	**Project Start**	**50**	**50**	**50**
Day 1	**Sprint-1 Complete**	**42**	**37.5**	**42**
Day 2	**Sprint-2 Complete**	**24**	**25**	**24**
Day 3	**Sprint-3 Complete**	**8**	**12.5**	**8**
Day 4	**Sprint-4 Complete**	**0**	**0**	**0**

Burndown Analysis:

- Total Story Points: 50
- Project Duration: 4 days
- Ideal Daily Burn Rate: 12.5 points per day
- Actual Performance: On track with planned velocity