

## Project Planning Phase

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

Date	15 February 2025
Team ID	LTVIP2025TMID60627
Project Name	<b>Visualizing Housing Market Trends</b>
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 Cleaning and Preparation	US-1	Load and explore the transformed housing dataset	2	High	Vivek
Sprint 1	Data Cleaning and Preparation	US-2	Clean columns, rename headers, handle missing values	3	High	Vivek
Sprint 1	Data Understanding (EDA)	US-3	Analyze house age, renovation status, and sales trends	3	High	Vivek
Sprint 2	Visualization Development	US-4	Create pie chart for renovated vs. non-renovated houses	2	Medium	Bhargav
Sprint 2	Visualization Development	US-5	Create bar chart for house age by bedrooms/bathrooms	3	High	Bhargav
Sprint 2	Visualization Development	US-6	Create histogram for total sales by years since renovation	2	Medium	Bhargav
Sprint 3	Dashboard Creation	US-7	Combine charts into one dashboard	3	High	Bhargav
Sprint 3	Dashboard Storytelling	US-8	Build a story with 10 slides using Tableau storytelling	4	High	Bhargav
Sprint 4	Final Publishing and Documentation	US-9	Publish on Tableau Public	1	Medium	Vivek

Sprint 4	Final Publishing and Documentation	US-10	Record walkthrough and post on LinkedIn	2	Medium	Vivek
Sprint 4	Final Publishing and Documentation	US-11	Create report with architecture, stack, and planning	2	Medium	Vivek

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

Sprint	Total Story Points	Duration (Days)	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (Planned)	Sprint Release Date (Actual)
Sprint 1	8	3	Feb 3, 2025	Feb 5, 2025	8	Feb 5, 2025
Sprint 2	7	3	Feb 6, 2025	Feb 8, 2025	6	Feb 9, 2025
Sprint 3	7	3	Feb 10, 2025	Feb 12, 2025	7	Feb 12, 2025
Sprint 4	5	3	Feb 13, 2025	Feb 15, 2025	—	—

**Velocity:**

$$AV = 32.67 + 2.00 + 2.33 / 3 = 2.33$$

**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>