**Project Planning Phase**

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

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| --- | --- |
| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID58256 |
| 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)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
| Sprint-1 | Data Collection | USN-1 | As a data analyst, I want to download the housing dataset for processing. | 2 | High | Gurram Nikhil |
| Sprint-1 | Data Collection | USN-2 | As a data analyst, I want to load the dataset into Tableau Prep. | 1 | High | Arimilli Revanth Narasimha Chowdary |
| Sprint-1 | Data Preparation | USN-3 | As a data analyst, I want to handle missing values in the dataset. | 3 | High | Anakapalli Jyothi Sankara Srinivas |
| Sprint-1 | Data Preparation | USN-4 | As a data analyst, I want to transform categorical features. | 2 | Medium | Anakapalli Jyothi Sankara Srinivas |
| Sprint-2 | KPI Visualization | USN-5 | As a stakeholder, I want to view KPIs like average sale price and record count. | 2 | High | Arepalli Sudeepthi |
| Sprint-2 | Visualization by Renovation | USN-6 | As a stakeholder, I want to see how renovations affect house prices. | 2 | Medium | Arimilli Revanth Narasimha Chowdary |
| Sprint-2 | Feature-based Visualization | USN-7 | As a stakeholder, I want to see house age by bathrooms, bedrooms, and floors. | 3 | High | Gurram Nikhil |
| Sprint-2 | Dashboard Sharing | USN-8 | As a manager, I want to download/share the dashboard with the team. | 1 | Medium | Bhimavarapu Venkata Pavan |

## Project Tracker, Velocity & Burndown Chart (4 Marks)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date | Story Points Completed | Sprint Release Date |
| Sprint-1 | 8 | 5 Days | 20 June 2025 | 24 June 2025 | 8 | 24 June 2025 |
| Sprint-2 | 8 | 5 Days | 25 June 2025 | 29 June 2025 | TBD | TBD |

**Velocity :**

**Velocity = Total Story Points Completed / Number of Sprints**

= 8 / 1 = 8 story points/sprint **(after Sprint-1)**

Once Sprint-2 is complete:

Velocity = (8 + 8) / 2 = 8 story points/sprint **(maintained)**

**Burndown Chart:**

Use tools like Excel or Google Sheets to plot:

X-axis: Days of the sprint

Y-axis: Remaining story points

Show planned vs actual burndown

