**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID50734 |
| 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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum.](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/) However, burn down charts can be applied to any project containing measurable progress over time.

[**https://www.visua**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**l**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**-**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**paradigm.com/scrum/scru**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**m**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**-**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**burndow**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**n**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**-**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**chart**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**/**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**https://www.atlassian.com/agile/tutorials/burndow**](https://www.atlassian.com/agile/tutorials/burndown-charts)

[**n**](https://www.atlassian.com/agile/tutorials/burndown-charts)

[**-**](https://www.atlassian.com/agile/tutorials/burndown-charts)

[**chart**](https://www.atlassian.com/agile/tutorials/burndown-charts)

[**s**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**t**](https://www.atlassian.com/agile/project-management)

[**https://www.atlassian.com/agile/projec**](https://www.atlassian.com/agile/project-management)

[**-**](https://www.atlassian.com/agile/project-management)

[**t**](https://www.atlassian.com/agile/project-management)

[**managemen**](https://www.atlassian.com/agile/project-management)

[**https://www.atlassian.com/agile/tutorials/ho**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**w**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**-**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**t**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**o**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**-**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**d**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**o**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**-**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**scru**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**m**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**-**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**h**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**wit**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**-**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**a**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**jir**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**-**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**softwar**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**e**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**https://www.atlassian.com/agile/tutorials/epic**](https://www.atlassian.com/agile/tutorials/epics)

[**s**](https://www.atlassian.com/agile/tutorials/epics)

[**https://www.atlassian.com/agile/tutorials/sprint**](https://www.atlassian.com/agile/tutorials/sprints)

[**s**](https://www.atlassian.com/agile/tutorials/sprints)

[**https://www.atlassian.com/agile/project-management/estimation**](https://www.atlassian.com/agile/project-management/estimation)

[**https://www.atlassian.com/agile/tutorials/burndow**](https://www.atlassian.com/agile/tutorials/burndown-charts)

[**n**](https://www.atlassian.com/agile/tutorials/burndown-charts)

[**-**](https://www.atlassian.com/agile/tutorials/burndown-charts)

[**chart**](https://www.atlassian.com/agile/tutorials/burndown-charts)

[**s**](https://www.atlassian.com/agile/tutorials/burndown-charts)