**Project Planning Phase**

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

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| --- | --- |
| Date | 24 June 2025 |
| Team ID | LTVIP2025TMID47510 |
| Project Name | Visualizing Housing Market Trends: An Analysis of Sale Prices and Features |
| Maximum Marks | 5 Marks |

**Product Backlog & Sprint Schedule Template**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Data Collection | USN-1 | As a user, I can upload a housing dataset into Tableau. | 2 | High | D nitya pujit |
| Sprint-1 |  | USN-2 | As a user, I can clean and preprocess data to remove nulls and format date fields. | 2 | High | T meghana |
| Sprint-1 | Data Filtering | USN-3 | As a user, I can apply filters (Zipcode, Year, Condition) to visualize specific data. | 2 | Medium | B yoshik |
| Sprint-2 | Visualization Dashboard | USN-4 | As a user, I can view visualizations such as heatmaps, bar charts, and KPIs. | 3 | High | D nitya pujit |
| Sprint-2 |  | USN-5 | As a user, I can interact with charts to analyze sale price trends. | 2 | Medium | Rishitha koneti |
| Sprint-3 | Story Feature | USN-6 | As a user, I can view a multi-slide Tableau Story summarizing key insights. | 3 | Medium | Sathvika |
| Sprint-4 | Deployment | USN-7 | As a user, I can publish my dashboard to Tableau Public and share the link. | 2 | High | D nitya pujit |
| Sprint-4 | Documentation | USN-8 | As a user, I can download the final report and embed screenshots of the dashboard. | 2 | Medium | T meghana |

**Project Tracker, Velocity & Burndown Chart**

**Sprint Tracker**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (Planned)** | **Sprint Release Date (Actual)** |
| Sprint-1 | 6 | 6 Days | 20 July 2025 | 25 July 2025 | 6 | 25 July 2025 |
| Sprint-2 | 5 | 6 Days | 26 July 2025 | 31 July 2025 |  |  |
| Sprint-3 | 3 | 6 Days | 01 Aug 2025 | 06 Aug 2025 |  |  |
| Sprint-4 | 4 | 6 Days | 07 Aug 2025 | 12 Aug 2025 |  |  |

**Velocity Calculation**

* Total Points (Sprint-1): 6
* Days: 6
* **Velocity = 6 points / 6 days = 1 point/day**
* Use this for future sprint capacity planning.

**Burndown Chart Overview**

* **X-axis**: Sprint Days (Day 1 to Day 6)
* **Y-axis**: Remaining Story Points (Start at 6, decrease as completed daily)
* Track actual vs. ideal line
* Update daily based on task progress
* 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