**Project Planning Phase**

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

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| --- | --- |
| Date | 22/06/25 |
| Team ID | LTVIP2025TMID47506 |
| Project Name | Visualizing housing market trends: an analysis of sale prices and features |
| Maximum Marks | 5 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Use the below template to create product backlog and sprint schedule

|  |  |  |
| --- | --- | --- |
| **Sprint Epic User Story No. User Story / Task Points Priority Assigned To** | | |
| Sprint-1 Data Setup USN-1 | As a user, I can upload housing data in CSV format 3 | High Shaik Mohammad Shoyab |
| Sprint-1 Data Cleaning USN-2 | As a developer, I can clean and preprocess housing data in Tableau 4 | High Shaik Abdul Aleem |
| Sprint-1 Field Creation USN-3 | As a user, I can create calculated fields like TotalAreaSqft 2 | Medium Shaik Abdul Hameed |
| Sprint-1 Price Binning USN-4 | As a user, I can create SalePriceBin for grouping houses 2 | Medium Raviteja Reddicherla |
| Sprint-2 Data Visualization USN-5 | As a user, I can create sheets with charts: price vs features 5 | High Shaik Mohammad Shoyab |
| Sprint-2 Dashboard Creation USN-6 | As a user, I can build an interactive Tableau Dashboard with filters 3 | High Shaik Abdul Aleem |
| Sprint-2 Dashboard Styling USN-7 | As a user, I can style the dashboard for better readability and navigation 2 | Medium Shaik Abdul Hameed |
| Sprint-3 Storytelling USN-8 | As a user, I can create a Tableau Story showing insights step by step 2 | Medium Raviteja Reddicherla |
| Sprint-3 Flask Integration USN-9 | As a developer, I can embed Tableau dashboard into a Flask web app 4 | High Shaik Mohammad Shoyab |
| Sprint-3 Embed Testing USN-10 | As a user, I can test and review the embedded dashboard UI 2 | Medium Shaik Abdul Hameed |
| Sprint-4 Documentation USN-11 | As a team, we can prepare final project documentation 3 | High Shaik Abdul Aleem |
| Sprint-4 Demo Preparation USN-12 | As a team, we can prepare and rehearse a full demo walkthrough 2 | Medium Raviteja Reddicherla |
| Sprint-4 Bug Fixing / Final QA USN-13 | As a team, we can test the full system and fix visual/logic bugs 2 | Medium Shaik Mohammad Shoyab |

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



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Total Story Points** | **Duration** | **Start Date** | **End Date** | **Points Completed** | **Release Date** |
| Sprint-1 | 11 | 4 Days | 11 June 2025 | 14 June 2025 | 11 | 14 June 2025 |
| Sprint-2 | 10 | 4 Days | 15 June 2025 | 18 June 2025 | 10 | 18 June 2025 |
| Sprint-3 | 7 | 4 Days | 19 June 2025 | 22 June 2025 | 7 | 22 June 2025 |
| Sprint-4 | 7 | 4 Days | 23 June 2025 | 26 June 2025 | 7 | 26 June 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)

**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.

