Project Planning Phase

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

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| --- | --- |
| Date | 22/06/25 |
| Team ID | LTVIP2025TMID52137 |
| 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.

