

## Project Planning Phase

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

|                               |  |
|-------------------------------|--|
| Date<br>19 June 2025          | 20 June 2025   |
| Team ID<br>LTVIP2025TMID48912 | LTVIP2025TMID48912                                     |
| Project Name                  | Visualizing Housing Market Trends using<br><br>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               | USN-1             | As a user, I can upload a housing dataset in CSV/Excel format | 3            | High     | Donthu Harshavardhan                    |
| Sprint-1 | Data Loading                  | USN-2             | As a user, I can load the dataset into Tableau                | 2            | High     | Donthu Harshavardhan                    |
| Sprint-2 | Data Cleaning                 | USN-3             | As a user, I can clean data and remove missing entries        | 3            | High     | Donthu Harshavardhan,                   |
| Sprint-2 | Categorical Handling          | USN-4             | As a user, I can preprocess categorical fields appropriately  | 3            | High     | Donthu Harshavardhan,<br>Chakali Ramana |
| Sprint-3 | Dashboard Design              | USN-5             | As a user, I can view visual summaries of pricing trends      | 2            | High     | Donthu Harshavardhan,                   |

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|----------|-------------------------------|-------------------|---|--------------|----------|---|
| Sprint-3 | Feature-based Filtering       | USN-6             | As a user, I can filter dashboards by price, bedrooms, location, etc. | 2            | High     | Donthu Harshavardhan                          |
| Sprint-4 | Dashboard Exporting           | USN-7             | As a user, I can export visuals to images or PDFs                     | 2            | High     | Donthu Harshavardhan, Gudisi Gnaneshwar Yadav |
| Sprint-4 | Tableau Public Publishing     | USN-8             | As a user, I can publish dashboards to Tableau Public                 | 1            | High     | Donthu Harshavardhan,                         |

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

| Sprint   | Total Story Points | Duration | Sprint Start Date | Sprint End Date | Story Points Completed (as on planned date) | Sprint Release Date (Actual) |
|----------|--------------------|----------|-------------------|-----------------|---|------------------------------|
| Sprint-1 | 5                  | 2 Days   | 20 June 2025      | 21 June 2025    | 5   | 21 June 2025                 |
| Sprint-2 | 5                  | 2 Days   | 22 June 2025      | 23 June 2025    | 5   | 23 June 2025                 |
| Sprint-3 | 5                  | 2 Days   | 24 June 2025      | 25 June 2025    | 5   | 25 June 2025                 |
| Sprint-4 | 5                  | 1 Day    | 26 June 2025      | 26 June 2025    | 5   | 26 June 2025                 |
| Sprint-5 | 5                  | 1 Day    | 27 June 2025      | 27 June 2025    | 5   | 27 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)

**Average velocity=5+5+5+5+5/2+2+2+1+1=25/8=3.12 Story points/day (rounded)**

**Final average team velocity=3.1 points / day**

## Burndown Chart

A burndown chart visually represents the remaining work versus time.

You can manually plot this based on the dates and story point progression above using tools like Excel or Google Sheets.



