**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID51009 |
| 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 |  |  | | --- | |  | | USN-1 | |  | | --- | | As a developer, I can collect the housing dataset with features like price, bedrooms, bathrooms, age. |  |  | | --- | |  | | 2 | High | |  | | --- | | Team Member 1 |  |  | | --- | |  | |
| Sprint-1 | |  | | --- | | Data Preparation |  |  | | --- | |  | | USN-2 | |  | | --- | | As a developer, I will clean and transform data for Tableau compatibility. |  |  | | --- | |  | | 1 | High | |  | | --- | | Team Member 2 |  |  | | --- | |  | |
| Sprint-3 | |  | | --- | | Visualization |  |  | | --- | |  | | USN-3 | |  | | --- | | As a user, I can view price vs. number of bedrooms in a bar chart. |  |  | | --- | |  | | 2 | Low | |  | | --- | | Team Member 3 |  |  | | --- | |  | |
| Sprint-1 | |  | | --- | | Visualization |  |  | | --- | |  | | USN-4 | |  | | --- | | As a user, I can interact with price vs. age of house in scatter plots. |  |  | | --- | |  | | 2 | Medium | |  | | --- | | Team Member 2 |  |  | | --- | |  | |
| Sprint-1 | |  | | --- | | Dashboard |  |  | | --- | |  | | USN-5 | |  | | --- | | As a user, I can filter dashboards by city, number of bedrooms, and price range. |  |  | | --- | |  | | 1 | High | |  | | --- | | Team Member 2 |  |  | | --- | |  | |
| |  | | --- | | Sprint-4 |  |  | | --- | |  | | |  | | --- | | Story Creation |  |  | | --- | |  | | |  | | --- | | USN-6 |  |  | | --- | |  | | |  | | --- | | As a user, I can view a Tableau story with multiple scenes explaining market trends. |  |  | | --- | |  | | 3 | |  | | --- | | High |  |  | | --- | |  | | |  | | --- | | Team Member 4 |  |  | | --- | |  | |

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

**Sprint Tracking Table**

| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed** | **Sprint Release Date** |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint-1** | **7** | **6 Days** | **01 June 2025** | **06 June 2025** | **7** | **06 June 2025** |
| **Sprint-2** | **7** | **6 Days** | **07 June 2025** | **12 June 2025** | **TBD** | **TBD** |
| **Sprint-3** | **5** | **6 Days** | **13 June 2025** | **18 June 2025** | **TBD** | **TBD** |
| **Sprint-4** | **3** | **6 Days** | **19 June 2025** | **24 June 2025** | **TBD** | **TBD** |

**Velocity Calculation**

* **Sprint-1: 7 story points over 6 days**
* **Velocity = 7 / 6 = 1.17 story points/day**

**Burndown Chart**

| **Day** | **Planned Story Points Remaining** | **Actual Story Points Remaining** |
| --- | --- | --- |
| **17 June** | **7** | **7** |
| **18 June** | **6** | **6** |
| **19 June** | **5** | **5** |
| **20 June** | **3** | **4** |
| **21 June** | **1** | **2** |
| **22 June** | **0** | **0** |