Project Planning Phase

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

Date	29 June 2025
Team ID	LTVIP2025TMID59588
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	5 Marks

Product Backlog & Sprint Schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Acquisition & Preparation	USN-1	As a data analyst, I can identify and acquire relevant housing market datasets (e.g., sale prices, property features, location data) so that I have the raw material for analysis.	3	High	Borra Jaswanth Kumar
Sprint-1	Data Acquisition & Preparation	USN-2	As a data analyst, I can clean and preprocess the acquired datasets (handle missing values, correct inconsistencies) so that the data is ready for Tableau.	5	High	Chinta Divya
Sprint-1	Initial Visualization Setup	USN-3	As a Tableau user, I can connect Tableau to the cleaned dataset so that I can start building visualizations.	2	High	Gudi Maruthi
Sprint-2	Core Visualizations	USN-4	As a data analyst, I can create a scatter plot showing sale price vs. square footage so that I can identify basic correlations.	3	Medium	Borra Hemanth

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Core Visualizations	USN-5	As a data analyst, I can design a bar chart to show average sale prices by neighborhood/zip code so that I can compare different areas.	3	Medium	Gudi Maruthi
Sprint-3	Advanced Visualizations	USN-6	As a data analyst, I can implement a heat map to visualize property density and price distribution so that I can see geographical trends.	4	Medium	Borra Jaswanth Kumar
Sprint-3	Advanced Visualizations	USN-7	As a data analyst, I can create interactive filters for property features (e.g., number of bedrooms, bathrooms) so that users can explore specific criteria.	4	Medium	Chinta Divya
Sprint-4	Dashboard & Storytelling	USN-8	As a presenter, I can combine key visualizations into an interactive Tableau dashboard so that I can present a comprehensive overview.	5	High	Gudi Maruthi
Sprint-4	Dashboard & Storytelling	USN-9	As a presenter, I can create a Tableau Story to guide the audience through the key insights and trends so that the findings are easily understood.	3	High	Borra Hemanth
Sprint-4	Documentation & Presentation	USN-10	As a team member, I can prepare the project documentation and presentation materials so that the project can be effectively communicated.	2	High	All Team Members

Sprint Tracker

Sprint	Total Story Points (Planned)	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	10	1 Days	27 June 2025	27 June 2025	20	27 June 2025
Sprint-2	6	1 Days	28 June 2025	28 June 2025	20	28 June 2025
Sprint-3	8	1 Days	29 June 2025	29 June 2025	20	29 June 2025
Sprint-4	10	1 Days	30 June 2025	30 June 2025	20	30 June 2025

Velocity

Velocity measures the amount of work a team can complete in a single sprint.

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):

Velocity = Story Points Completed / Sprint Duration

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2 \text{ (story points per day)}$$