Project Planning Phase

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

Date	31 January 2026
Team ID	LTVIP2026TMIDS28502
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	8 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 load the housing dataset into Tableau Desktop	3	High	Mathineni Karthik
Sprint-1	Data Preparation	USN-2	As a user, I can clean and prepare the dataset for visualization	3	High	Shaik Saida
Sprint-1	Basic Visualization	USN-3	As a user, I can create KPI visualizations such as total houses and average sale price	4	High	Ravulapalli Hemachand
Sprint-1	Chart Creation	USN-4	As a user, I can create charts such as bar charts and pie charts	4	High	Vakada Srinu
Sprint-2	Dashboard Creation	USN-5	As a user, I can create an interactive dashboard combining visualizations	5	High	Mathineni Karthik
Sprint-2	Story Creation	USN-6	As a user, I can create a Tableau Story to present insights step-by-step	3	Medium	Shaik Saida

Sprint-3	Dashboard Publishing	USN-7	As a user, I can publish dashboard to Tableau Public	3	High	Ravulapalli Hemachand
Sprint-3	Web Integration	USN-8	As a developer, I can integrate dashboard into Flask web application	5	High	Vakada Srinu
Sprint-4	Testing	USN-9	As a user, I can test dashboard functionality and interactivity	3	Medium	Mathineni Karthik
Sprint-4	Documentation	USN-10	As a user, I can prepare project documentation and demonstration	4	High	All Team Members

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	14	6 Days	24 Oct 2022	29 Oct 2022	14	29 Oct 2022
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022	8	05 Nov 2022
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	7	6 Days	14 Nov 2022	19 Nov 2022	7	19 Nov 2022

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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Total Story Points Completed = 37

Total Sprint Duration = 24 Days

Average Velocity (AV) per sprint =

AV = Total Story Points / Number of Sprints

AV = 37 / 4

AV = 9.25 story points per sprint

Average Velocity per day =

AV per day = 37 / 24 = 1.54 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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.