Project Planning Phase

Project Planning Template (Product Backlog,Sprint Planning,Stories,Storypoints)

Date	22/06/25
Team ID	LTVIP2025TMID60702
Project Name	Visualizing housing market trends: an analysis of sale prices and features
Maximum Marks	5 Marks

Product Backlog,Sprint Schedule,and Estimation(4Marks)

Use the below template to create product backlog and sprints chedule

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	Chaganti Tejaswini
Sprint-1	Data Cleaning	USN-2	As a developer, I can clean and preprocess housing data in Tableau	4	High	Chaganti Tejaswini
Sprint-1	Field Creation	USN-3	As a user, I can create calculated fields like Total Area Sqft	2	Medium	Chaganti Tejaswini
Sprint-1	Price Binning	USN-4	As a user, I can create Sale Price Bin for grouping houses	2	Medium	Chaganti Tejaswini
Sprint-2	Data Visualization	USN-5	As a user, I can create sheets with charts: price vs features	5	High	Chaganti Tejaswini
Sprint-2	Dashboard Creation	USN-6	As a user, I can build an interactive Tableau Dashboard with filters	3	High	Chaganti Tejaswini
Sprint-2	Dashboard Styling	USN-7	As a user, I can style the dashboard for better read ability and navigation	2	Medium	Chaganti Tejaswini
Sprint-3	Storytelling	USN-8	As a user, I can create a Tableau Story showing insights step by step	2	Medium	Chaganti Tejaswini
Sprint-3	Flask Integration	USN-9	As a developer, I can embed Tableau dashboard into a Flask web app	4	High	Chaganti Tejaswini
Sprint-3	Embed Testing	USN-10	As a user, I can test and review the embedded dashboard UI	2	Medium	Chaganti Tejaswini
Sprint-4	Documentation	USN-11	As a team, we can prepare final project documentation	3	High	Chaganti Tejaswini
Sprint-4	Demo Preparation	USN-12	As a team, we can prepare and rehearse a full demo walk through	2	Medium	Chaganti Tejaswini
Sprint-4	Bug Fixing/Final QA	USN-13	As a team,we can test the full system and fix visual/logic bugs	2	Medium	Chaganti Tejaswini

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

Sprint	Total Story Points	Duration	Start Date	End Date	Points Completed	Release Date
Sprint-1	11	4 Days	11 June2025	14 June2025	11	14 June2025
Sprint-2	10	4 Days	15 June2025	18 June2025	10	18 June2025
Sprint-3	7	4 Days	19 June2025	22 June2025	7	22 June2025
Sprint-4	7	4 Days	23 June2025	26 June2025	7	26 June2025

Velocity:

Imagine we have a 10-days print 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)

$$\text{Velocity} = \frac{\text{Total Story Points}}{\text{Total Days}} = \frac{35}{16} \approx 2.19$$

Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time.It is often used in agiles of ware development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.