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

Date	18 October 2023
Team ID	Team-591186
Project Name	Unveiling Market Insights: Analyzing Spending Behaviour and identifying opportunities for growth
Maximum Marks	20 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	Project Setup and Infrastructure	USN-1	Gather a diverse dataset that contains all the data (market insights dataset) about products sold in a particular area	1	High	Huzaifa
Sprint-2	Data Preparation	USN-2	prepare the data according to the business need and removing inconsistency if any.	2	High	Huzaifa, Tej Pavan
Sprint-2	Data Pre-proccessing	USN-3	clean the data like removing duplicates, formatting dataset, reducing the noise, increasing accuracy of data.	2	High	Balaji
Sprint-3	Data Visualization	USN-4	We connect the dataset to Tableau and bring out the insights/visualizations from it in form of dashboards and stories.	3	High	Veeranjaneyulu, Balaji
Sprint-4	Dashboard	USN-5	We publish the dashboards and stories. We will be publishing our work on Tableau public so that it can be accessible to many people.	4	High	Tej Pavan
Sprint-5	Web Development	USN-6	Web Application Development through which user can view and interact with the dashboards.	6	Medium	Huzaifa

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	3	5 Days	1 Sep 2023	5 Sep 2023	20	3 Sep 2023
Sprint-2	5	8 Days	6 Sep 2023	13 Sep 2023		
Sprint-3	10	7 Days	14 Sep 2023	22 Sep 2023		
Sprint-4	1	8 Days	23 Sep 2023	30 Sep 2023		
Sprint-5	1	15 Days	1 Oct 2023	15 Oct 2023		

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)

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

$$AV = 43/20 = 2.15$$

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

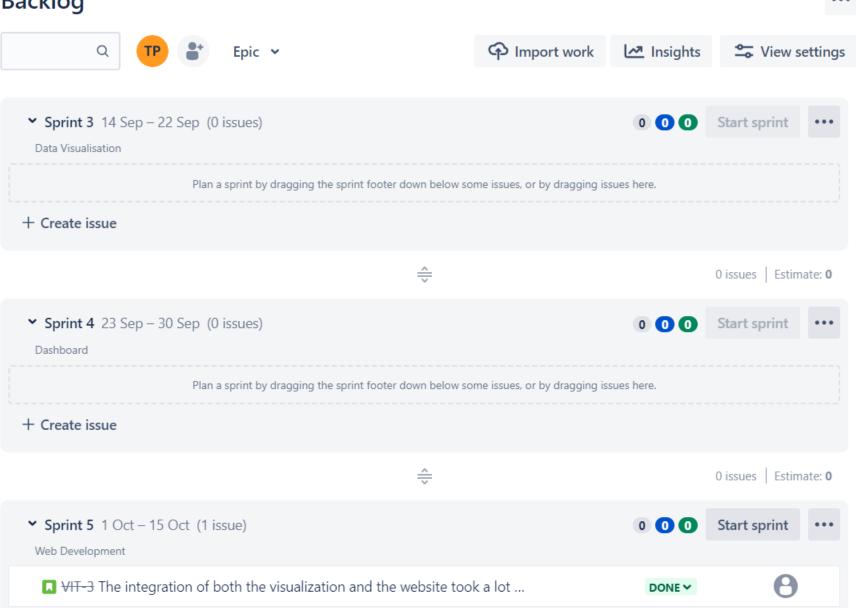https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts

Burndown Chart:-

Board Section:-

Backing Section:-

Backlog

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🔍 ☐ TP 👤⁺ Epic ⌄ | ☁ Import work ┈ Insights ⚙ View settings

⌄ **Sprint 3** 14 Sep – 22 Sep (0 issues)   0 ⓪ ⓪   Start sprint ⋯

Data Visualisation

> Plan a sprint by dragging the sprint footer down below some issues, or by dragging issues here.

+ Create issue

⇕   0 issues | Estimate: **0**

⌄ **Sprint 4** 23 Sep – 30 Sep (0 issues)   0 ⓪ ⓪   Start sprint ⋯

Dashboard

> Plan a sprint by dragging the sprint footer down below some issues, or by dragging issues here.

+ Create issue

⇕   0 issues | Estimate: **0**

⌄ **Sprint 5** 1 Oct – 15 Oct (1 issue)   0 ⓪ ⓪   **Start sprint** ⋯

Web Development

🟩 ~~VIT-3~~ The integration of both the visualization and the website took a lot ...   DONE ⌄   👤

Timeline:-