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

Date	28 / 10 / 2022
Team ID	PNT2022TMID13004
Project Name	A New Hint To Transportation - Analysis of the NYCBike Share System
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 Preparation	USN-1	As an analyst, I filter and extract the Citi-bike data for the year 2018 from the given bucket of datasets.	4	Medium	Jyothi Prakash, Sreejith
Sprint-1	Data Preparation	USN-2	As an analyst, I upload the filtered dataset to IBM Cognos.	1	Medium	Praveen,Shahul
Sprint-2	Data Preparation	USN-3	As an analyst, I can prepare the data for analysis byhandling missing values and outliers	7	Medium	Jyothi Prakash,Sreejith
Sprint-2	Analysis	USN-4	As an analyst, I perform Exploratory Data Analysison the filtered dataset to identify patterns and relationships between various features present.	8	High	Praveen,Jyothi
Sprint-3	Visualization	USN-5	As an analyst, I create various visualizations using IBM Cognos based on the knowledge obtained at theend of the EDA process.	10	High	Shahul,Jyothi
Sprint-3	Visualization	USN-6	As an analyst, I create a dashboard with the created visualizations to supplement business insights during the decision-making process at Citi.	10	High	Sreejith,Praveen
Sprint-4	Visualization	USN-7	As an analyst, I apply predictive analytics and additional features to enhance visualizations	5	Medium	Shahul,Sreejith
Sprint-4	Registration	USN-8	As a user, I can register for the application by entering my email and password, and confirming my password.	5	Low	Jyothi,Sreejith

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	5	6 Days	25 Oct 2022	30 Oct 2022	5	30 Oct 2022
Sprint-2	15	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	40	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	50	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)

Sprint	Average Velocity
Sprint-1	0.833
Sprint-2	2.500
Sprint-3	3.333
Sprint-4	1.666

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
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