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

Date	18 October 2022
Team ID	PNT2022TMID19163
Project Name	A New Hint to Transportation-Analysis of theNYC Bike 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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	5	High	Aniruthram ,Deepan Kumar,Aneesh,Fayaz
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Aneesh,Fayaz
Sprint-1	Registration	USN-3	As a user, I can register for the application through Gmail or phone number	1	Medium	Aniruthram ,Deepan Kumar
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password	7	High	Deepan Kumar,Aneesh,Fayaz
Sprint-2	Collection of user data	USN-5	As a user, I can enter my information which includes bank details for easy online payment and my mobile number for OTP confirmation	10	High	Aniruthram ,Deepan Kumar,Aneesh
Sprint -3	Analysis of User data	USN -6	As a analyst, I can access the Lyft Citi bike database to access the bike sharing system data of the user	8	High	Aniruthram ,Deepan Kumar,Aneesh,Fayaz
Sprint-3	Analysis of User data	USN-7	The data can be used as input for creating various types of visualizations and analysis.	5	High	Deepan Kumar,Aneesh,Fayaz
Sprint -4	Visualization	USN-8	As an analyst, I create various visualizations using IBM Cognos based on the knowledge obtained at theend of the EDA process.	7	High	Aniruthram ,Deepan Kumar

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Visualization	USN -8	As an analyst, I create a dashboard with the created visualizations to supplement business insights during the decision-making process at Citi. As an analyst, I apply predictive analytics and additional features to enhance visualizations	8	High	Aniruthram ,Deepan Kumar,Aneesh,Fayaz
Sprint-4	Dashboard	USN - 9	I can create and access the dashboard based on the user data	5	High	Aniruthram ,Deepan Kumar,Aneesh,Fayaz

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	8	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	17	6 Days	31 Oct 2022	05 Nov 2022	25	
Sprint-3	13	6 Days	07 Nov 2022	12 Nov 2022	38	
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	48	

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	1.334
Sprint-2	2.834
Sprint-3	2.167
Sprint-4	3.334

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