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

Date	29 October 2022
Team ID	PNT2022TMID22565
Team Lead	Mahesh S M
Team Members	Pranav M Kabilraj S Robert Samuel J
Project Name	A New Hint to Transportation-Analysis of the NYC 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	Mahesh S M, Pranav M, Kabilraj S, Robert Samuel J
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	2	High	Mahesh S M, Pranav M
Sprint-1		USN-3	As a user, I can register for the application through Gmail.	1	Medium	Mahesh S M, Pranav M, Robert Samuel J
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password.	7	High	Mahesh S M, Pranav M, Kabilraj S, Robert Samuel J
Sprint-3	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	10	High	Mahesh S M, Pranav M, Kabilraj S,

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			conformation.			Robert Samuel J
Sprint-4	Analysis of User data	USN-6	As a developer, I can access the Lyft Citi bike database to access the bike sharing system data of the user.	8	Low	Mahesh S M, Robert Samuel J
Sprint-4		USN-7	The data can be used as input for creating various types of visualizations and analysis.	5	High	Mahesh S M, Kabilraj S, Robert Samuel J
Sprint-5	Dashboard	USN-8	I can create and access the dashboard based on the user data	5	High	Mahesh S M, Kabilraj S
Sprint-5		USN-9	As a user, I can select the destination, the payment method and choose the bike based on ratings and recommendation.	3	High	Mahesh S M, Kabilraj S
Sprint-5		USN-10	As a user, I can select the start and drop station based on the age category.	3	Medium	Pranav M, Kabilraj S
Sprint-5		USN-11	As a user, I can view the dashboard trip history of the user with respect to the trip duration.	2	Medium	Mahesh S M, Robert Samuel J
Sprint-5		USN-12	As a user, I can view the route of the previous trips with the help of data stored in the database of the map.	2	High	Mahesh S M, Pranav M
Sprint-5		USN-13	As a user, I can view the total number of trips booked and completed by the user based on the time and date of the journey.	2	High	Mahesh S M, Pranav M, Kabilraj S

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	20	29 Oct 2022
Sprint-2	7	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	13	6 Days	14 Nov 2022	19 Nov 2022		
Sprint-5	17	6 Days	21 Nov 2022	26 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)

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