

Project Planning Phase

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

Date	28 October 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	Download Dataset	USN-1	Download data set in given link	10	Medium	Vishnu
Sprint-1	Upload Dataset	USN-2	Upload the downloaded dataset to IBM Cognos.	10	Medium	Kishore
Sprint-2	Graph Development	USN-3	Create a dashboard for Number of Trips	10	Medium	Ashwin
Sprint-2	Graph Development	USN-4	Create a dashboard for Customer and subscriber with gender	10	High	Lokesh
Sprint-3	Graph Development	USN-5	Create a dashboard for Bike Usage	10	High	Vishnu
Sprint-3	Graph Development	USN-6	Create a dashboard for Age Group differentiation by Bike	10	High	Kishore
Sprint-4	Graph Development	USN-7	Create a dashboard for Top 10 Start Station Names with respect to Customer age group	20	Medium	Ashwin

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	20	6 Days	25 Oct 2022	30 Oct 2022	10	30 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	08 Nov 2022	20	10 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	15 Nov 2022	40	18 Nov 2022
Sprint-4	20	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)

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