

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID00164
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	Data Preparation	USN-1	As an analyst, I sort through the provided collection of datasets and extract the Citi-bike information for the year 2018.	4	Medium	Sam, Sam Richard
Sprint-1	Data Preparation	USN-2	I submit the filtered dataset to IBM Cognos as an analyst.	1	Medium	Roshan, Vishal
Sprint-2	Data Preparation	USN-3	I can prepare the data for analysis as an analyst by dealing with missing values and outliers.	7	Medium	Roshan, Sam
Sprint-2	Analysis	USN-4	I do exploratory data analysis on the filtered dataset as an analyst to find trends and connections among the many features that are there.	8	High	Vishal, Sam Daniel
Sprint-3	Visualization	USN-5	Using IBM Cognos, I develop several visuals as an analyst based on the information discovered at the conclusion of the EDA process. .	10	High	Sam Daniel, Roshan
Sprint-3	Visualization	USN-6	In my role as an analyst at Citi, I provide business insights to the dashboard I produce using the created visualisations.	10	High	Roshan, Sam Richard
Sprint-4	Visualization	USN-7	As an analyst, I use new features and predictive analytics to improve visualisations.	5	Medium	Vishal, Sam Daniel
Sprint-4	Registration	USN-8	I can sign up for the application as a user by providing my email address, a password, and a password confirmation.	5	Low	Sam Daniel, Sam

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	
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	40	
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	50	

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>
<https://www.atlassian.com/agile/tutorials/sprints>
<https://www.atlassian.com/agile/project-management/estimation>
<https://www.atlassian.com/agile/tutorials/burndown-charts>