

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID02687
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.	4	High	Balachandiran,Inbavanan
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	Low	Amurthavarshini,Haris
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	3	Medium	Balachandiran
Sprint-2	Data Preparation	USN-4	As an analyst , I filter and extract the citi bike data for the year 2018 from the given bucket of datasets and I upload the filtered dataset to ibm cognos.	7	Medium	Balachandiran,Inbavanan
Sprint-2	Data Preparation	USN-5	As an analyst , I can prepare the data analysis by handling missing values and outliers	3	Low	Amurtha varshini,Haris
Sprint - 3	Data Analysis	USN-6	As an analyst,I perform Exploratory Data Analysis on the filtered dataset to identify	10	High	Balachandiran,Haris

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			patterns and relationships between various features present.			
Sprint-4	Data Visualization	USN-7	As an analyst,I create various visualizations using IBM cognos based on the knowledge obtained at the end of the EDA process and create a dashboard with the created visualizations to supplement business insights during the decision making process.	6	High	Inbavanan,Amurtha Varshini
Sprint-4	Data Visualization	USN-8	As an analyst , I apply predictive analysis and additional features to enhance visualizations.	5	Low	Balachandiran , haris

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	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	10	
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	11	

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)

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)

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

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>