

Project Planning Phase

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

Date	02 November 2023
Team ID	Team-592087
Project Name	Project - Time series analysis for bitcoin prediction using prophet
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.	2	High	Vismaya Satheesh
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	B.Sravani
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Vismaya Satheesh
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	B.Sravani
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Vismaya Satheesh
	Dashboard	USN -6	As a user I can now access the application to purchase a bitcoin according to prediction			B.Sravani
		USN -7	User need to choose what type of purchase he/she wants to make		medium	Vismaya Satheesh

		USN -8	A customer care should be provided in the application. User should be able to contact customer care for query without any trouble		high	B.Sravani
		USN -9	The administrator should be responsible for overseeing the management and operation of application. User should not face difficulties while operating the application		high	Vismaya Satheesh

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	20	29 Oct 2022
Sprint-2	20	5 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	20	4 Days	07 Nov 2022	12 Nov 2022	12	12 Nov 2022
Sprint-4	20	3 Days	14 Nov 2022	19 Nov 2022	15	19 Nov 2022
Sprint -5	15	2 Days	17 Nov 2022	20 Nov 2022	18	20 Nov 2022
Sprint -6	05	1 Day	25 Nov 2022	29 Nov 2022	16	29 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)

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

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>