Project Planning Phase

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

Date	2 November 2022
Team ID	PNT2022TMID53854
Project Name	News Tracker Application
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	Julius ,Karthick
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Donie Sweeton , Athi`
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Medium	
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Karthick ,Julius
	Dashboard		As a user, I can search and get suggestions on current news feeds	2	High	Donie Sweeton.
Sprint-3	Notification	USN-6	As a user, I can receive notifications on trending and subscribed news articles	2	Medium	
Sprint-4	Updates	USN-7	As a user, I can get updated and latest news whenever I use this service	2	High	Karthick ,Julius, Donie

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	07 Nov 2022	1	08 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	15 Nov 2022	1	16 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	21 Nov 2022	1	21 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	24 Nov 2022	1	24 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)

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

For Sprint-1 the Average Velocity (AV) is: AV = Sprint Duration / velocity = 6 / 6 = 1
For Sprint-2 the Average Velocity (AV) is: AV = Sprint Duration / velocity = 18 / 6 = 3.0
For Sprint-3 the Average Velocity (AV) is: AV = Sprint Duration / velocity = 16 / 6 = 2.6
For Sprint-4 the Average Velocity (AV) is: AV = Sprint Duration / velocity = 12/ 6 = 2.0

Average Velocity = 14/6 AV = 2.333

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.