Project Planning Phase

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

Date	10 November 2022
Team ID	PNT2022TMID13118
Project Name	News Tracker Application
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, Estimation: (4 Marks)

Sprint	Functional Requirement (EPIC)	User Story Number	User Story / Task	Story points	Priority	Team Members
Sprint-1	Setting up App environment	USN-1	As a user, I can register in ICTA Academy and create IBM cloud account.	2	High	Fahad Ali Mir
Sprint-1		USN-2	As a user, I will create a flask project	1	Low	Harshaa Vardaan T
Sprint-1		USN-3	As a user, I will install IBM Cloud CLI	2	Medium	Vaibhav Sudan
Sprint-2	Setting up App environment	USN-4	As a user, I can install Docker CLI and Create an account in SendGrid	1	Low	Sreemathi
Sprint-3	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Fahad Ali Mir
Sprint-3	Dashboard	USN-6	As a user I should be able to navigate and access all the features hassle free	2	High	Vaibhav Sudan

Sprint-3	Layout	USN-7	As a user I should be able to access the portal with different devices with the same comfort	2	High	Harshaa Vardaan T
Sprint-4	Development of App in IBM Cloud	USN-8	As a user, I will Containerize the App	1	Low	Sreemathi
Sprint-4		USN-9	As a user, I will upload image to IBM Container registry	2	Medium	Vaibhav Sudan
Sprint-4		USN-10	As a user, I will deploy App in Kubernetes cluster	3	High	Harshaa Vardaan T
Sprint-4	User panel	USN-11	As a user ● Register, Login, Email, Verification ● Manual Search ● Order placement, Order Details	3	High	Fahad Ali Mir
Sprint-4	Monitor the system	USN-12	As an administrator I should be able to monitor the cloud system and fix errors before customer	1	High	Vaibhav Sudan

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	9 Nov 2022	11 Nov 2022	24	11 Nov 2022
Sprint-2	20	6 Days	10 Nov 2022	13 Nov 2022	24	13 Nov 2022
Sprint-3	20	6 Days	13 Nov 2022	14 Nov 2022	24	14 Nov 2022
Sprint-4	20	6 Days	16 Nov 2022	17 Nov 2022	24	17 Nov 2022

Velocity :

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

Imagine we have a 6-day sprint duration, and the velocity of the team is 18(points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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