Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID31287
Project Name	Containment Zone Alerting Application
Maximum Marks	8 Marks

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

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	Jency.S
Sprint - 1		USN - 2	As a user, I will receive confirmation email once I have registered for the application	4	High	Ajaykumar. J
Sprint - 1		USN - 3	As a user, I can register for the application through Gmail	4	Medium	Karthika.S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 1	Login	USN - 4	As a user, I can log into the application by entering email & password	4	High	Aarthi.A.P
Sprint – 2	Dashboard	USN - 5	As a user, I can see the options available for User account.	4	Medium	Jency.S
Sprint – 2	Background running	USN – 6	As a user, I allow the app to run in background.	4	Medium	Ajaykumar. J
Sprint – 2	GPS	USN – 7	As a user, I allow the app to access my location	4	Medium	Karthika.S
Sprint – 2	Google Maps	USN – 8	As a user, I can see the containment zones using the maps via Google Maps.	4	Medium	Aarthi.A.P
Sprint – 2	Notifications	USN – 9	As a user, I allow notification access for the application.	4	Medium	Jency.S
Sprint – 1	Login	USN – 1	As admin, I log into the administrator portal.	4	High	Ajaykumar. J
Sprint – 3	Services	USN – 2	As admin, I use the cloud services to maintain users and the contaminated zones data.	7	High	Karthika.S
Sprint – 3	Cloud Database	USN – 3	As admin, I store the user details in the cloud database.	5	Medium	Aarthi.A.P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint – 3	Maps	USN – 4	As admin, I will enter the containment zone's location.	8	High	Jency.S
Sprint – 4	Mail System	USN – 5	As admin, I set up a mail system to alert users when they enter a containment zone.	8	High	Ajaykumar. J
Sprint - 4	Updating Zones	USN - 6	As admin, I should frequently update the details and the location of the containment zones.	5	High	Aarthi.A.P
Sprint - 4	Data Collections	USN - 7	As an admin, I need to store all the user information on the cloud	7	Medium	Jency.S

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	6 Days	31 Oct 2022	05 Nov 2022	20	03 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	10 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	17 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)

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

VELOCITY CHART

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.