

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

Date	5 Nov 2022
Team ID	PNT2022TMID45774
Project Name	Containment Zone Alerting 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 (web and android)	USN-1	USER: I can register for the application by entering my email and password	5	High	Sivabalan.M Ajithkumar.G Udhayachandran.D Vasanth.A
		USN-2	USER: I will receive a confirmation email once I have registered for the application	5	High	Sivabalan.M Ajithkumar.G Udhayachandran.D Vasanth.A
	Login (web and android)	USN-3	USER: I can log into the application by entering my cred	5	High	Sivabalan.M Ajithkumar.G Udhayachandran.D Vasanth.A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Dashboard	USN-4	USER: need to give permission to access my location	5	High	Sivabalan.M Ajithkumar.G Udhayachandran.D Vasanth.A
		USN-5	As a user, I can log into the application by entering email & password	5	High	Sivabalan.M Ajithkumar.G Udhayachandran.D Vasanth.A

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Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint 3	Service	USN 6	ADMIN: I need to update the containment zones.	5	High	Sivabalan.M Ajithkumar.G Udhayachandran.D Vasanth.A
		USN 7	ADMIN: I need to differentiate the containment zones based on the intensity of infection.	3	Medium	Sivabalan.M Ajithkumar.G Udhayachandran.D Vasanth.A
Sprint 4	Service	USN 8	ADMIN: I need to alert the user when they enter the containment zone through the notification	3	Medium	Sivabalan.M Ajithkumar.G Udhayachandran.D Vasanth.A
	Data collection	USN 9	ADMIN: I need to store user details on the cloud	3	Medium	Sivabalan.M Ajithkumar.G Udhayachandran.D Vasanth.A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN 10	ADMIN: I need to collect details about covid -19 cases from verified sources	3	Medium	Sivabalan.M Ajithkumar.G Udhayachandran.D Vasanth.A

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	15	5 Days	28 OCT 2022	01 NOV 2022	15	01 Nov 2022
Sprint-2	10	5 Days	02 Nov 2022	06 Nov 2022	10	06 Nov 2022
Sprint-3	8	5 Days	07 Nov 2022	11 Nov 2022	8	11 Nov 2022
Sprint-4	9	5 Days	12 Nov 2022	16 Nov 2022	9	16 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)

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

Velocity for sprint 1: $15/5 = 3$

Velocity for sprint 1: $10/5 = 2$

Velocity for sprint 1: $8/5 = 1.6$

Velocity for sprint 1: $9/5 = 1.8$