

Project Planning Phase

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

Date	23 November 2022
Team ID	PNT2022TMID35281
Project Name	Project – Containment Zone Alerting System
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 (Android and Web)	USN-1	User can register in the application by entering email and password	4	High	Kaushik Sudharshan
	IBM DB2	USN-2	User details has to be stored in the Database	4	High	Kaushik Sudharshan
	SendGrid	USN-3	User will receive confirmation email after registration	4	High	Kiran Nanada Kumar
	Login (Android and Web)	USN-4	User can login to the application by entering email and password	4	High	Kaushik Sudharshan
	Dashboard	USN-5	User can view the dashboard which contains all the information	4	High	Kiran Nanada Kumar
Sprint-2	Access	USN-6	Permission needs to be granted in order to access the user location	3	High	Kiran Nanada Kumar
	IBM DB2	USN-7	Admin has to collect information regarding COVID-19 cases from verified sources and store in Database	3	High	Kiran Nanada Kumar

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-8	Admin needs to update the Containment Zones	4	High	Kaushik Sudharshan
		USN-9	Admin needs to differentiate the containment zones on the basis of degree of infections	4	Medium	Kiran Nanada Kumar
	SendGrid	USN-10	User has to be alerted through a notification when they enter a containment zone	3	High	Kaushik Sudharshan
	IBM DB2	USN-11	User travel history details has to be stored in the Database	3	Medium	Kiran Nanada Kumar
Sprint-4	Integration	USN-12	Frontend and Backend Integration	5	High	Kaushik Sudharshan
	Docker	USN-13	Creation of Docker Image	5	High	Kiran Nanada Kumar
	Cloud Registry	USN-14	Uploading Docker image to IBM Cloud Registry	5	High	Kaushik Sudharshan
	Kubernetes	USN-15	Creating container using docker and hosting	5	High	Kiran Nanada Kumar

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	3 Days	15 Oct 2022	17 Oct 2022	20	15 Oct 2022
Sprint-2	20	3 Days	17 Oct 2022	19 Nov 2022	20	19 Nov 2022
Sprint-3	20	3 Days	20 Nov 2022	22 Nov 2022	20	22 Nov 2022

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-4	20	3 Days	23 Nov 2022	25 Nov 2022	20	25 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)

$$AV = \text{Sprint Duration} / \text{Velocity} = 20 / 3 = 6.66$$