

Project Planning Phase

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

Date	31 October 2022
Team ID	PNT2022TMID34803
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	User Registration	USN-1	As a user, I can register for the application by entering my username, mobile number, and email address.	10	High	Abikesh S, Adhil Ahamed H.
Sprint-1	User login	USN-2	As a user, I can log into the application by entering username and mobile number.	5	Medium	Gogila Naveen K
Sprint-1	Admin login	USN-3	As an admin, I would login the app and fetch the containment zone areas.	5	Medium	Dhinakar S
Sprint-2	User's location	USN-4	As a user, I must give my location access to the application.	10	High	Abikesh S, Adhil Ahamed H, Gogila Naveen K, Dhinakar S.
Sprint-2	Admin's access to user's location	USN-5	As an admin, I should track the user's location.	10	High	Gogila Naveen K, Dhinakar S.
Sprint-3	Updation of containment zone	USN-6	As an admin, I should update the location of the containment zone.	10	High	Abikesh S, Adhil Ahamed H, Gogila Naveen K
Sprint-3	Creation of Geofence	USN-7	A Geofence is created within a 100m radius around the containment zone.	5	Medium	Dhinakar S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Monitoring user's location	USN-8	As an admin, I should monitor the user's location and alert him with a notification when he or she enters the containment zone.	10	High	Dhinakar S, Abikesh S.
Sprint-4	Notification alert	USN-9	When the user enters the containment zone, he or she will receive an alert notification.	5	Medium	Adhil Ahamed H, Gogila Naveen K.

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	05 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022	15	12 Nov 2022
Sprint-4	15	6 Days	14 Nov 2022	19 Nov 2022	15	14 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)

$$AV = \text{Sprint duration velocity} = 6/20 = 0.3$$

Burndown Chart:

