Project Planning Phase

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

Date	21 October 2022
Team ID	PNT2022TMID27063
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring & Notification

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	Registration through website Registration through app	2	High	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L
Sprint-1	User Confirmation	USN-2	Confirmation via Email Confirmation via OTP	1	High	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L
Sprint-2	User login	USN-3	Setting up User Id and password	2	Low	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L
Sprint-1	App permission	USN-4	Grant the permission for the app to access location, contact etc..	2	Medium	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L

Sprint-1	Interface with the Device	USN-5	Connecting the device with the registered app with the device ID.	1	High	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-2	Setting Geo-location	USN-6	Creating the Geo-location area in the map	2	Low	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L
Sprint-3	Database	USN-7	Location history is stored in the cloud. Can be accessed from the dashboard.	2	High	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L
Sprint-4	Tracking location	USN-8	Tracking the location through app. Tracking the location through website.	2	High	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L

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

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

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts
https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software https://www.atlassian.com/agile/tutorials/epics