Project Planning Phase

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

Date	18 October 2022
Team ID	IBM-Project-17289-1659633579
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification
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	USN-1 (FATHER)	As a user, I can register by entering my email, password, and confirming my password. I can access the location of my children using the credentials provided as a Father.	2	High	Keerthi Priya
Sprint-1		USN-2 (MOTHER)	As a user, I can register by entering my email, password, and confirming my password. I can access the location of my children using the credentials provided as a Mother.	1	High	Namshika
Sprint-1		USN-3 (GUARDIAN/CARETAKER)	As a user, I can also monitor the children's activities using a safety gadget monitoring system.	2	Medium	Aadithya Hariharan
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password	1	Medium	Manickam
Sprint-2	Dashboard	USN-5	As a user, I can fix the geofence for my child's location so that I will receive alerts if my child crosses the geofence.		High	Keerthi Priya Namshika Aadithya Hariharan Manickam

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Sprint-1		USN-2 (MOTHER)	As a user, I can register by entering my email, password, and confirming my password. I can access the location of my children using the credentials provided as a Mother.		High	Namshika
Sprint-1		USN-3 (GUARDIAN/CARETAKER)	As a user, I can also monitor the children's activities using a safety gadget monitoring system.		Medium	Aadithya Hariharan
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password.		Medium	Manickam
Sprint-2	Dashboard	USN-5	As a user, I can fix the geofence for my child's location so that I will receive alerts if my child crosses the geofence.		High	Keerthi Priya Namshika Aadithya Hariharan Manickam
Sprint-3	Dashboard (CUSTOMER CARE)	USN-6	As a customer care service person, whenever I receive a complaint, I forward the complaint and ensure that the complaint is resolved.		Medium	Keerthi Priya Namshika
Sprint-4	Admin Dashboard (ADMINISTRATOR)	USN-7	As an administrator, I will take care of all the payment processes, queries and complaints and login credentials.		High	Aadithya Hariharan Manickam

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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 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/how-to-do-scrum-with-jira-software
https://www.atlassian.com/agile/tutorials/epics
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