Project Planning Phase

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

Date	18th Oct 2022
Team ID	PNT2022TMID15932
Project Name	Project - **Personal assistance for senior people who are self-Reliant**
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 Web UI Interface	USN-1	The user should be able to provide input to the web interface.	5	High	3
Sprint-1	Cloudant DB	USN-2	The Data will be saved in the Cloudant DB.	4	Low	1
Sprint-2	MIT App Interface	USN-3	An application that allows a user to gain access to the facility.	3	High	1
Sprint-2	Data save Acknowledgement	USN-4	Data will be saved and the user will be notified.	7	Medium	3
Sprint-3	IoT Watson	USN-5	Through IoT Watson, data from IoT devices should reach the cloud.	7	Medium	2
Sprint-3	Node-Red service	USN-6	IBM Cloud data should be correctly connected with Cloudant DB.	7	Medium	2
Sprint-3	Integration of Cloud & Node-Red Service	USN-7	It must be determined whether or not there is established communication between all services	7	High	3
Sprint-4	Text-To-Speech service	USN-8	Data processed by IBM Watson is converted into speech and returned to users.	10	High	4
Sprint-4	Voice Alert	USN-9	The voice alert is sent based on the time specified.	10	High	4

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Date Start	Sprint Date Ended (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	28 Oct 2022
Sprint-2	20	6 days	31 Oct 2022	05 Nov 2022	20	04 Nov 2022
Sprint-3	20	6 days	07 Nov 2022	12 Nov 2022	20	10 Nov 2022
Sprint-4	20	6 days	14 Nov 2022	19 Nov 2022	20	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

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

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

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