Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID592399
Project Name	Project - Disease Prediction using Machine Learning
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	As a user, I can input my medical history, including any existing health conditions and medications, to provide the application with a comprehensive overview of my health.	2	High	Shudhamati
Sprint-1		USN-2	As a user, I can input my age and weight to get by BMI	1	High	Tejas Tammewar
Sprint-2		USN-3	As a user, I can request assistance or support by clicking on a "Help" or "Support" link within the application and filling out a support request form.	2	Low	Lohitha N
Sprint-2		USN-4	As a user, I can view a list of frequently asked questions (FAQ) on the application to find answers to common inquiries. I can access list of FAQ Medium Sprint-2 USN-5 As a user, I can secure	2	Medium	Hansini Vaddey
Sprint-1	Login	USN-5	As a user, I can securely access and share my health data and records with healthcare professionals, ensuring seamless communication for better care	1	High	Shudhamati

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	4 Days	25 Oct 2023	29 Oct 2023	20	29 Oct 2023
Sprint-2	20	4 Days	31 Oct 2023	03 Nov 2023	20	03 Nov 2023
Sprint-3	20	6 Days	06 Nov 2023	12 Nov 2023	20	12 Nov 2023

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 suchas 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