Project Planning Phase

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

Date	27 October 2023
Team ID	Team-593135
Project Name	Project Name Ship Classification
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	Disease Classification	USN-1	As a user, I can upload images of different ships classified by various factors such as shape model and working in Ship Classification	3	High	Mukhul Reddy
Sprint-1	Disease Classification	USN-2	As a user, I can view the predicted Ship class and its probability for the uploaded image of Ships.	2	High	Parmitha Reddy
Sprint-2	Disease Classification	USN-3	As a user, I can access historical data and analysis of previously used Ship models.	2	Medium	Naresh Reddy
Sprint-2	Disease Classification	USN-4	As a user, I can provide feedback on the accuracy of the Ship classification for continuous model improvement.	1	Medium	
Sprint-3	Disease Classification	USN-5	As a user, I can receive recommendations on management strategies based on the classified images of Ships.	3	Low	

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	5 Days	23 Oct 2022	27 Oct 2022	20	27 Oct 2022
Sprint-2	20	5 Days	23 Oct 2022	27 Oct 2022	20	27 Oct 2022
Sprint-3	20	5 Days	23 Oct 2022	27 Oct 2022	20	27 Oct 2022
Sprint-4	20	5 Days	23 Oct 2022	27 Oct 2022	20	27 Oct 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)

$$AV = \text{sprint duration} / \text{velocity} = 80/4 = 20$$

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