

Project Planning Phase

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

Date	5 November 2023
Team ID	592350
Project Name	Deep Learning Model for Eye Disease Prediction
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks):

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Story points	Priority	Team Members
Customer / Healthcare Professionals	Registration	USN-1	As a user, I can register for the application by entering my name, email, Mobile number, password, and confirming my password.	2	High	1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	Low	1
	Login	USN-3	I want a secure login process to the dashboard using my credentials, enabling me to access classification results and patient data.	1	High	1
	Home Page	USN-4	I prefer a user-friendly dashboard interface with clear instructions and tooltips, facilitating easy navigation and utilization of features without any confusion.	1	Medium	1
		USN-5	As a user, I want to be able to add new patient records to the system so that I can keep track of their medical history and provide them with better care.	2	High	2

		USN-6	I need the ability to search for specific patients using unique identifiers like patient ID or name, allowing for swift retrieval of their classification history.	2	High	2
	Classification	USN-7	As a user, I want to be able to upload fundus images of my patients to the system so that I can get a better understanding of their eye health and diagnose eye diseases more accurately.	1	High	2
		USN-8	I require access to detailed classification reports for each patient, containing images, date of classification, and identified eye condition, aiding in my diagnosis process.	2	High	2
Administrator	Administration	USN-9	As an administrator, I require the capability to reset user passwords and provide support for users who may have forgotten their login credentials.	1	Low	1
		USN-10	I need the dashboard to feature an intuitive user interface for managing user accounts, simplifying tasks like account creation, modification, and deletion.	1	Low	1

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)
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Sprint-1	4	6 Days	24 Oct 2022	29 Oct 2022	4	29 Oct 2022
Sprint-2	5	6 Days	30 Oct 2022	04 Nov 2022	9	4 Nov 2022
Sprint-3	2	6 Days	05 Nov 2022	7 Nov 2022	11	7 Nov 2022
Sprint-4	2	6 Days	7 Nov 2022	8 Nov 2022	13	8 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)

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

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.

