

Project Planning Phase

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

Date	21 October 2022
Team ID	IBM-Project-23287-1659877068
Project Name	Project - 23287-1659877068
Maximum Marks	8 Marks

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

Created Sprints using the Project planning tool called **JIRA software (Scrum Template)**.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Pre-requisites for the model	USN-1	Only if this module is done, I can rely on the accuracy of the detection of diabetic retinopathy.	5	Medium	Adlin, Harini
Sprint-1	Research	USN-2	The dataset and the path setup to be done for the right input and output.	13	High	Harini, Nandhini, Bhabhitha
Sprint-1	Finalizing Model	USN-3	Apt model should be selected, so that I can get an accurate result.	2	High	Adlin, Harini, Nandhini, Bhabhitha
Sprint-2	IBM cloud access	USN-4	This is the pre requisites for me to access the tools for the model building.	10	Medium	Adlin, Harini, Nandhini, Bhabhitha
Sprint-2	Model Building	USN-5	Only once the model is completed, I can process the input from the website	10	High	Adlin, Harini, Nandhini, Bhabhitha
Sprint-3	Application Building	USN-6	As a user, I can upload the fundus image so that it becomes the input to the model.	20	High	Adlin, Harini, Nandhini, Bhabhitha

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Training	USN-7	I can know the efficiency of the current model and the accuracy. I can also make room for improvement.	10	High	Adlin, Harini, Nandhini, Bhabhitha
Sprint-4	Testing	USN-8	As a user, I can know the accurate result of the severity of the illness from the fundus image uploaded.	10	Medium	Adlin, Harini, Nandhini, Bhabhitha

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	01 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	07 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	13 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	20 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)

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

Sprint 1: $20/6 = 3.33$

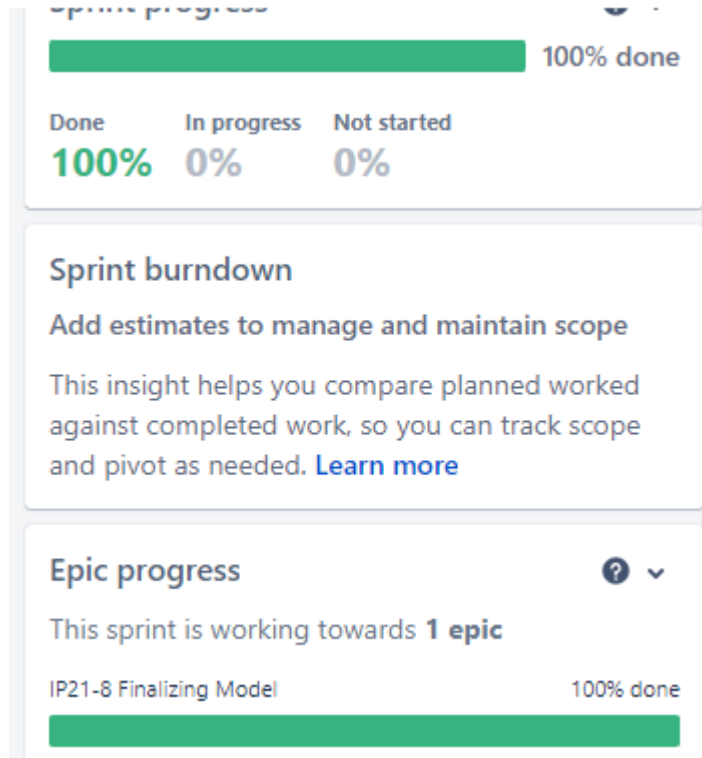
Sprint 2: $20/7 = 2.85$

Sprint 3: $20/6 = 3.33$

Sprint 4: $20/6 = 3.33$

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>