Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID29709
Project Name	Fertilizer recommendation system for disease prediction
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	Model creation and training (Fruits)	USN-1	Create a model which can classify diseased plants from given images. I also need to test the model and deploy it on IBM Cloud.	8	High	Umamaheshwari S, ShobanKumar S
Sprint-1	Model creation and training (Fruits)	USN-2	Create a model which can classify diseased plants from given images	2	High	Umamaheshwari S, ShobanKumar S, Santhosh B, Suriyaprakash R
Sprint-2	Model creation and training (Fruits)	USN-3	Create a model which can classify diseased plants from given images and train on IBM Cloud	6	High	Umamaheshwari S, ShobanKumar S, Santhosh B, Suriyaprakash R
Sprint-2	Registration	USN-4	As a user, I can register by entering my email, password, and confirming my password	3	Medium	Umamaheshwari S, ShobanKumar S, Santhosh B, Suriyaprakash R
Sprint-2	Upload page	USN-5	As a user, I will be redirected to a page where I can upload my pictures of crops	4	High	Umamaheshwari S, ShobanKumar S, Santhosh B

Sprint-2	Suggestion of results	USN-6	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	Umamaheshwari S, ShobanKumar S, Santhosh B, Suriyaprakash R
Sprint-2	Base Flask App	USN-7	A base flask web app must be created as an interface for the ML model	2	High	Umamaheshwari S, ShobanKumar S, Santhosh B, Suriyaprakash R
Sprint-3	Login	USN-1	As a user/admin, I can log into the application by entering email & password	2	Medium	Umamaheshwari S, ShobanKumar S, Santhosh B, Suriyaprakash R
Sprint-3	User Dashboard	USN-1	As a user, I can view the previous results and history	2	Medium	Umamaheshwari S, ShobanKumar S, Santhosh B, Suriyaprakash R
Sprint-3	Integration	USN-2	Integrate Flask, CNN model with Cloud	4	High	Umamaheshwari S, ShobanKumar S, Santhosh B, Suriyaprakash R
Sprint-3	Containerization	USN-3	Containerize Flask app	2	Low	Umamaheshwari S, ShobanKumar S, Santhosh B, Suriyaprakash R
Sprint-4	Dashboard (Admin)	USN-1	As an Admin, I can view other user details and uploads for other puposes	2	Low	Umamaheshwari S, ShobanKumar S, Santhosh B, Suriyaprakash R
Sprint-4	Dashboard (Shopkeeper)	USN-2	As a Shopkeeper, I can enter fertilizer products and then update the details if any	2	Low	Umamaheshwari S, ShobanKumar S, Santhosh B, Suriyaprakash R
Sprint-4	Containerization	USN-3	Create and deploy Helm charts	2	Low	Umamaheshwari S, ShobanKumar S, Santhosh B, Suriyaprakash R

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	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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.

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Software project

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Roadmap

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- 🗂 Roadmap
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- ▥ Board

DEVELOPMENT

- </> Code

	CT	NOV	DEC	JAN '23	FEB '23
Sprints		FRSFDP Sprint 1			
› 🔲 FRSFDP-16 Model creation and training		▬▬			
› 🔲 FRSFDP-17 Registration		▬▬			
› 🔲 FRSFDP-18 Upload page		▬▬			
› 🔲 FRSFDP-19 Suggestion of results		▬▬			
› 🔲 FRSFDP-20 Base Flask App		▬▬			
› 🔲 FRSFDP-21 login		▬▬			
› 🔲 FRSFDP-22 User dashboard		▬▬			
› 🔲 FRSFDP-23 Integration		▬▬			
› 🔲 FRSFDP-24 Containerization		▬▬			
› 🔲 FRSFDP-25 Dashboard		▬▬			
+ Create Epic					

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Projects / Fertilizer recommendation system for disease prediction / Reports

Sprint burndown chart

› How to read this report

Sprint	Estimation field
FRSFDP Sprint 1 ⌄	Issue count ⌄

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Date - 8 November 2022 - 23 November 2022

— Remaining work   — Guideline
Number of issues left to complete this sprint   Ideal burn rate

Today

1.5

Issue count

1

0.5

0

Nov 09   Nov 11   Nov 13   Nov 15   Nov 17   Nov 19   Nov 21   Nov 23

Date