

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID21470
Project Name	Fertilizers 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	Dataset analysis and preprocessing of data (Fruits dataset)		Download the dataset and examine the dataset and preprocess the dataset given on fruits dataset	5	High	Jayasheelan, Anandhalakshmi, Cathe, Reshmekaa
	Dataset analysis and preprocessing of data (Vegetable dataset)		Download the dataset and examine the dataset and preprocess the dataset given on vegetable dataset	5	High	Jayasheelan, Anandhalakshmi, Cathe, Reshmekaa
Sprint-2	Model creation which can classify diseased fruit plants from given images.(Fruits dataset)		Create a model which can classify diseased fruit plants from given images.(Fruits dataset)	7.5	High	Jayasheelan, Anandhalakshmi, Cathe, Reshmekaa
	Model creation which can classify diseased fruit plants from given images.(Vegetables dataset)		Create a model which can classify diseased fruit plants from given images.(Fruits dataset)	7.5	High	Jayasheelan, Anandhalakshmi, Cathe, Reshmekaa
Sprint-3	Train Vegetable model on IBM Watson Studio		Login to IBM watson and download the ipynb file and upload and train it	2.5	High	Jayasheelan, Anandhalakshmi, Cathe, Reshmekaa






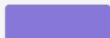


Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Train Vegetable model on IBM Watson Studio		Login to IBM watson and download the ipynb file and upload and train it	2.5	High	Jayasheelan, Anandhalaks hmi, Cathe, Reshmekaa
	Upload a photo and check if the predicted value is true		As a user, I can access the application and upload the images of crops and get my fertilizer recommended	5	High	Jayasheelan, Anandhalaks hmi, Cathe, Reshmekaa
	Flask app creation		A base Flask web app must be created as an interface for the ML model	5	High	Jayasheelan, Anandhalaks hmi, Cathe, Reshmekaa
Sprint-4	Recommended Fertilizer		As per the disease predicted the application should display the recommended fertilizer	5	High	Jayasheelan, Anandhalaks hmi, Cathe, Reshmekaa
	Containerization/ Hosting of application		Containerize the application and create a docker image or host the application on IBM Cloud	5	Medium	Jayasheelan, Anandhalaks hmi, Cathe, Reshmekaa

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	10	6 Days	24 Oct 2022	29 Oct 2022		2 Nov 2022
Sprint-2	15	6 Days	31 Oct 2022	05 Nov 2022		06 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022		13 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022		20 Nov 2022

*****Burndown charts and velocity is yet to be updated (after completion of sprints)***


Roadmap:


		NOV	DEC	JAN '23
Sprints				
⚡ FRSFDP-1 Dataset exploration				
⚡ FRSFDP-2 1-2 Data preprocessing				
⚡ FRSFDP-3 2-1 Model creation - training				
⚡ FRSFDP-4 2-2 Model fitting and testing				
⚡ FRSFDP-5 3-1 Creating flask app				
⚡ FRSFDP-6 3-2 Registration page				
⚡ FRSFDP-7 3-3 Login page				
⚡ FRSFDP-8 3-4 Dashboard				
⚡ FRSFDP-9 4-1 Fertilizer recommendation				
⚡ FRSFDP-10 4-1 Deploying of application				


Backlog:

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> **FRSFDP Sprint 1** 24 Oct – 29 Oct (0 issues) 0 0 0 [Start sprint](#) 

> **FRSFDP Sprint 2** 31 Oct – 5 Nov (0 issues) 0 0 0 [Start sprint](#) 



> **FRSFDP Sprint 3** 7 Nov – 12 Nov (0 issues) 0 0 0 [Start sprint](#) 

> **FRSFDP Sprint 4** 14 Nov – 19 Nov (0 issues) 0 0 0 [Start sprint](#) 

▼ **Backlog** (0 issues) 0 0 0 [Create sprint](#)

Your backlog is empty.

[+ Create issue](#)

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Backlog



Epic ▾

Insights

▼ **FRSFDP Sprint 1** 1 Nov – 1 Nov (3 issues)

Dataset analysis and preprocessing of data - fruits and vegetable dataset

0 0 0

Complete sprint



FRSFDP-11 Download dataset

TO DO ▾



FRSFDP-12 Dataset analysis

TO DO ▾



FRSFDP-13 Data preprocessing

TO DO ▾



+ Create issue

▼ **FRSFDP Sprint 2** 1 Nov – 5 Nov (3 issues)

Model creation which can classify diseased fruit plants from given images.(Fruits and vegetable dataset)

0 0 0

Complete sprint



FRSFDP-14 Fitting test data

TO DO ▾



FRSFDP-15 Model training

TO DO ▾



FRSFDP-16 Testing data and finding accuracy

TO DO ▾



+ Create issue



Quickstart



Backlog

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▼ FRSFDP Sprint 3 1 Nov – 12 Nov (4 issues)

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Complete sprint

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Creating base flask app Registration page Login page Dashboard

FRSFDP-17	Registration page	TO DO ▾	
FRSFDP-18	Login page	TO DO ▾	
FRSFDP-19	Base flask application	TO DO ▾	
FRSFDP-20	Integrating application	TO DO ▾	

+ Create issue




▼ FRSFDP Sprint 4 14 Nov – 19 Nov (3 issues)

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Start sprint

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As per the disease predicted the application should display the recommended fertilizer Containerize the application and create a docker image or host the application on IBM Cloud

FRSFDP-21	Creating dashboard	TO DO ▾	
FRSFDP-22	Recommending fertilizer	TO DO ▾	
FRSFDP-23	Deploying application	TO DO ▾	

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> FRSFDP Sprint 1

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000Start sprint

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000Create sprint

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Quickstart

Edit sprint: FRSFDP Sprint 1

Sprint name *

FRSFDP Sprint 1

Duration

custom

Start date

10/24/2022

12:30 AM

End date

10/29/2022

12:30 AM

Sprint goal

Dataset analysis and preprocessing of data - fruits and vegetable dataset

Update

Cancel

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FRSFDP Sprint 1 24 Oct

FRSFDP Sprint 2 31 Oct

Backlog (0 issues)

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Edit sprint: FRSFDP Sprint 2

Sprint name *

FRSFDP Sprint 2

Duration

custom ▾

Start date

10/31/2022 1:00 AM ✕

End date

11/5/2022 1:00 AM ✕

Sprint goal

Model creation which can classify diseased fruit plants from given images.(Fruits and vegetable dataset)

Update

Cancel

Insights

0 0 0 Start sprint ...

0 0 0 Start sprint ...

0 0 0 Create sprint

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> FRSFDP Sprint 1 24 Oct

> FRSFDP Sprint 2 31 Oct

> FRSFDP Sprint 3 7 Nov
Creating base flask app Registrat...

+ Create issue

> FRSFDP Sprint 4 14 Nov

As per the disease predicted the application should display the recommended fertilizer Containerize the application and create a docker image or host the application on IBM Cloud

Plan a sprint by dragging the sprint footer down below some issues, or by dragging issues here.

Edit sprint: FRSFDP Sprint 3

Sprint name *

FRSFDP Sprint 3

Duration

custom

Start date

11/7/2022 2:00 AM

End date

11/12/2022 2:00 AM

Sprint goal

Creating base flask app
Registration page
Login page
Dashboard

Update

Cancel

0 0 0 Start sprint

0 0 0 Start sprint

0 0 0 Start sprint

0 0 0 Start sprint

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Backlog (0 issues)

Edit sprint: FRSFDP Sprint 4

Sprint name *

FRSFDP Sprint 4

Duration

custom

Start date

11/14/2022 1:30 AM

End date

11/19/2022 1:30 AM

Sprint goal

As per the disease predicted the application should display the recommended fertilizer
Containerize the application and create a docker image or host the application on IBM Cloud

Update

Cancel

Issues here.

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Sprint

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GROUP BY

None

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TO DO 7 ISSUES

Fitting test data
FRSFDP-14

Model training
FRSFDP-15

Testing data and finding accuracy
FRSFDP-16

Registration page
FRSFDP-17

Login page
FRSFDP-18

IN PROGRESS 1 ISSUE

Data preprocessing
FRSFDP-13

DONE 2 ISSUES ✓


Download dataset
FRSFDP-11 ✓

Dataset analysis
FRSFDP-12 ✓

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All sprints

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Testing data and finding accuracy

 FRSFDP-16

Registration page

 FRSFDP-17

Login page

 FRSFDP-18

Base flask application

 FRSFDP-19

Integrating application

 FRSFDP-20

IN PROGRESS 1 ISSUE

DONE 2 ISSUES ✓



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