Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID25497
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, Anandhalakshmi, 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, Anandhalakshmi, Cathe, Reshmekaa
	Flask app creation		A base Flask web app must be created as an interface for the ML model	5	High	Jayasheelan, Anandhalakshmi, Cathe, Reshmekaa
Sprint-4	Recommended Fertilizer		As per the disease predicted the application should display the recommended fertilizer	5	High	Jayasheelan, Anandhalakshmi, Cathe, Reshmekaa
	Containerization/ Hosting of application		Containerize the application and create a docker image or host the application on IBM Cloud	5	Medium	Jayasheelan, Anandhalakshmi, Cathe, Reshmekaa

Project Tracker, Velocity & Burndown Chart: (4 Marks)

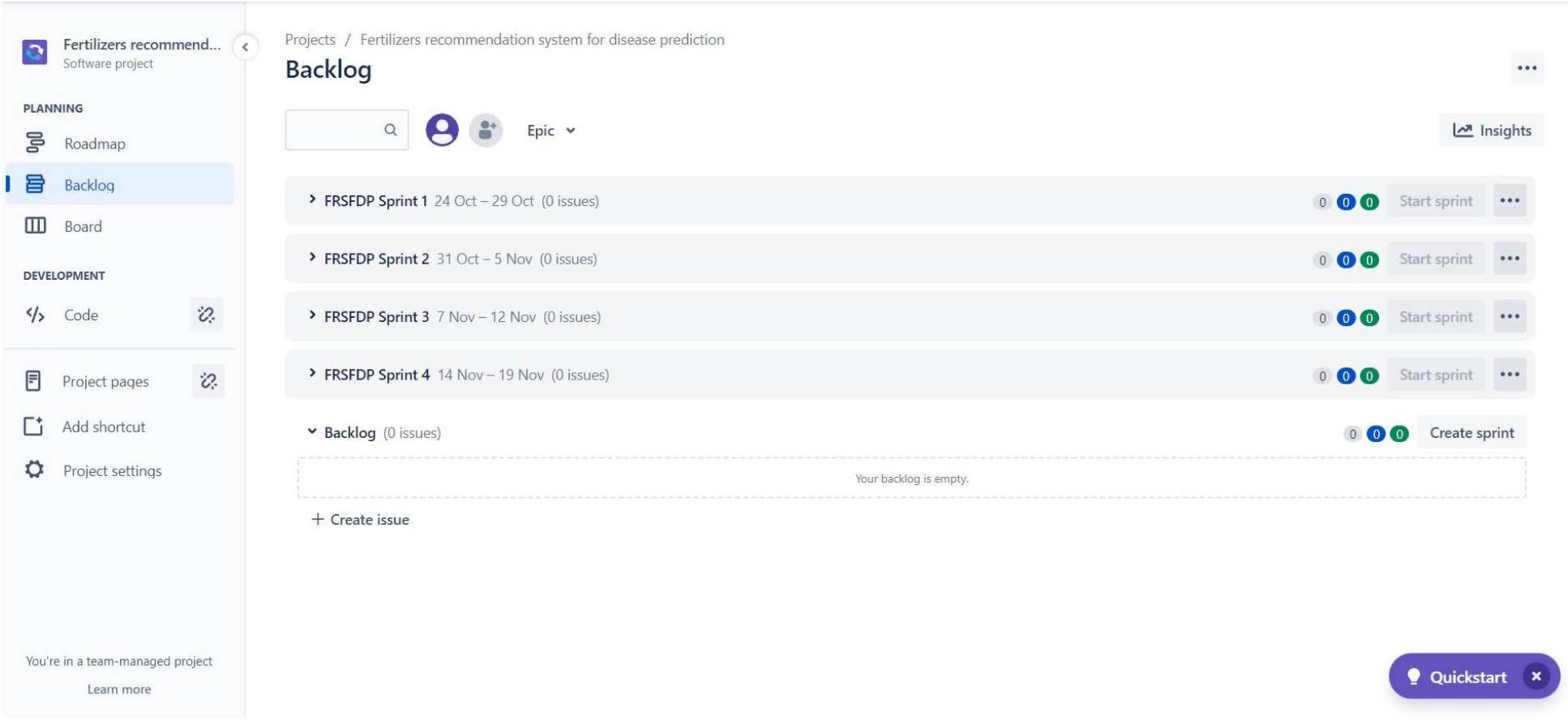
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	6 Days	24 Oct 2022	29 Oct 2022		2 Nov 2022
Sprint-2	15	6 Days	31 Oct 2022	05 Nov 2022		06 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 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 4-1Fertilizer recommendation
FRSFDP-10 4-1 Deploying of application

Backlog:


Fertilizers recommend...
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PLANNING
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Projects / Fertilizers recommendation system for disease prediction
Backlog
Epic
Insights
FRSFDP Sprint 1 24 Oct – 29 Oct (0 issues)
FRSFDP Sprint 2 31 Oct – 5 Nov (0 issues)
FRSFDP Sprint 3 7 Nov – 12 Nov (0 issues)
FRSFDP Sprint 4 14 Nov – 19 Nov (0 issues)
Start sprint
Backlog (0 issues)
Create sprint
Your backlog is empty.
Create issue
Quickstart

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Backlog

Epic

Insights

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

0 0 0 Complete sprint

Dataset analysis and preprocessing of data - fruits and vegetable dataset

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)

0 0 0 Complete sprint

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

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

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Backlog

Epic

Insights

FRSFDP Sprint 3 1 Nov – 12 Nov (4 issues) 0 0 0 Complete sprint

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

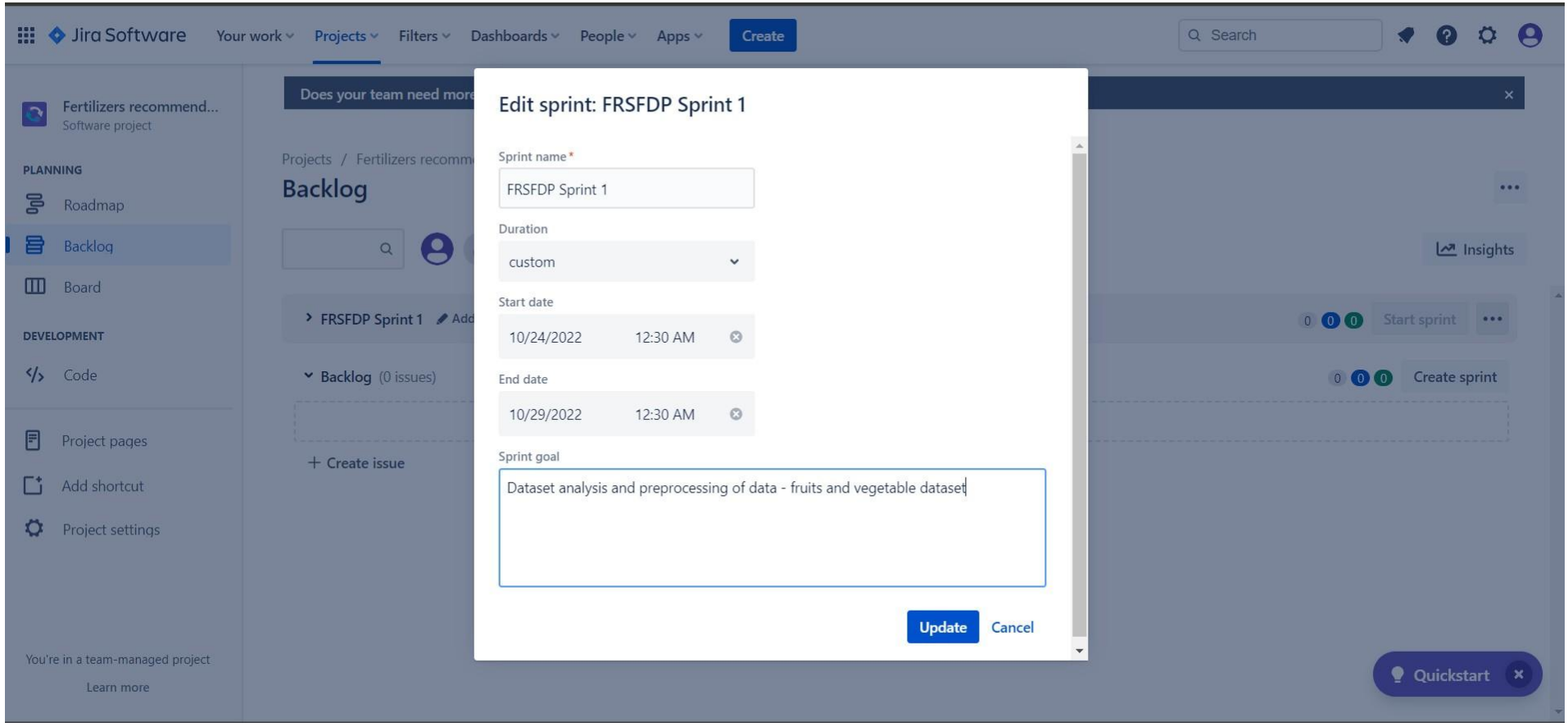
FRSFDP Sprint 4 14 Nov – 19 Nov (3 issues) 0 0 0 Start sprint

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

+ Create issue

Quickstart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Backlog
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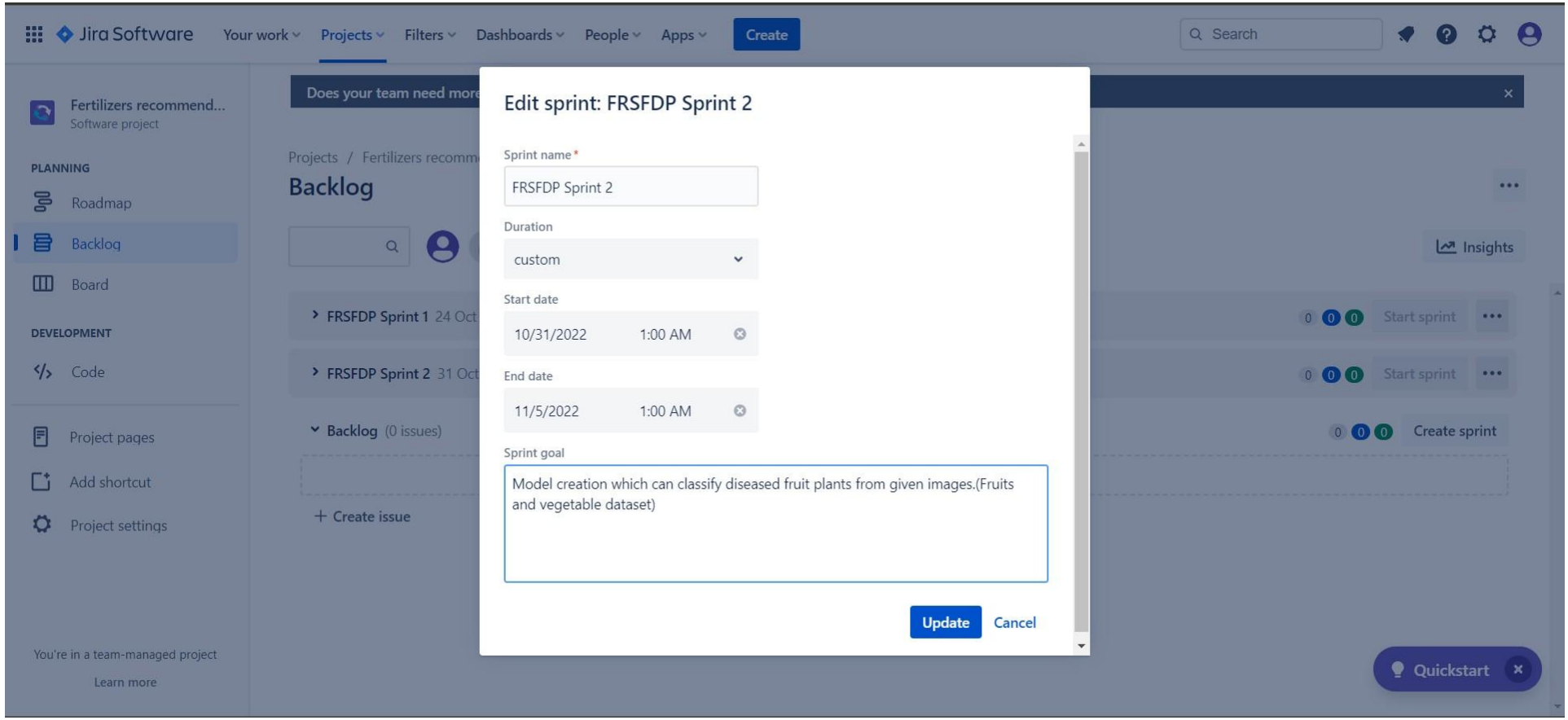
FRSFDP Sprint 1
Start sprint
Backlog (0 issues)
Create sprint
Create issue
Edit sprint: FRSFDP Sprint 1
Sprint name *
FRSFDP Sprint 1
Duration
custom
Start date
10/24/2022 12:30 AM
End date
10/29/2022 12:30 AM
Sprint goal
Dataset analysis and preprocessing of data - fruits and vegetable dataset
Update
Cancel
Quickstart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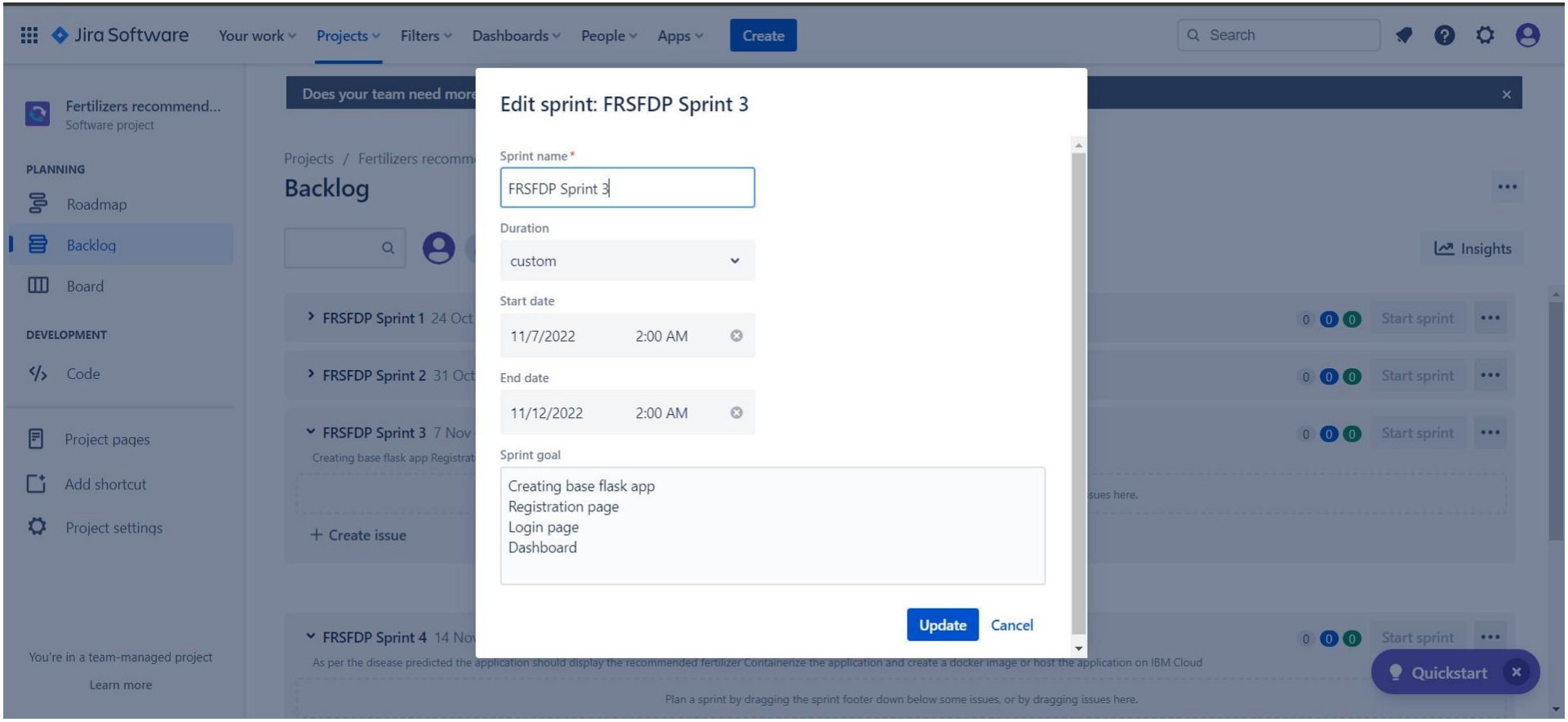
FRSFDP Sprint 1 24 Oct
FRSFDP Sprint 2 31 Oct
Start sprint
Backlog (0 issues)
Create sprint
Create issue
Edit sprint: FRSFDP Sprint 2
Sprint name *
FRSFDP Sprint 2
Duration
custom
Start date
10/31/2022 1:00 AM
End date
11/5/2022 1:00 AM
Sprint goal
Model creation which can classify diseased fruit plants from given images.(Fruits and vegetable dataset)
Update
Cancel
Quickstart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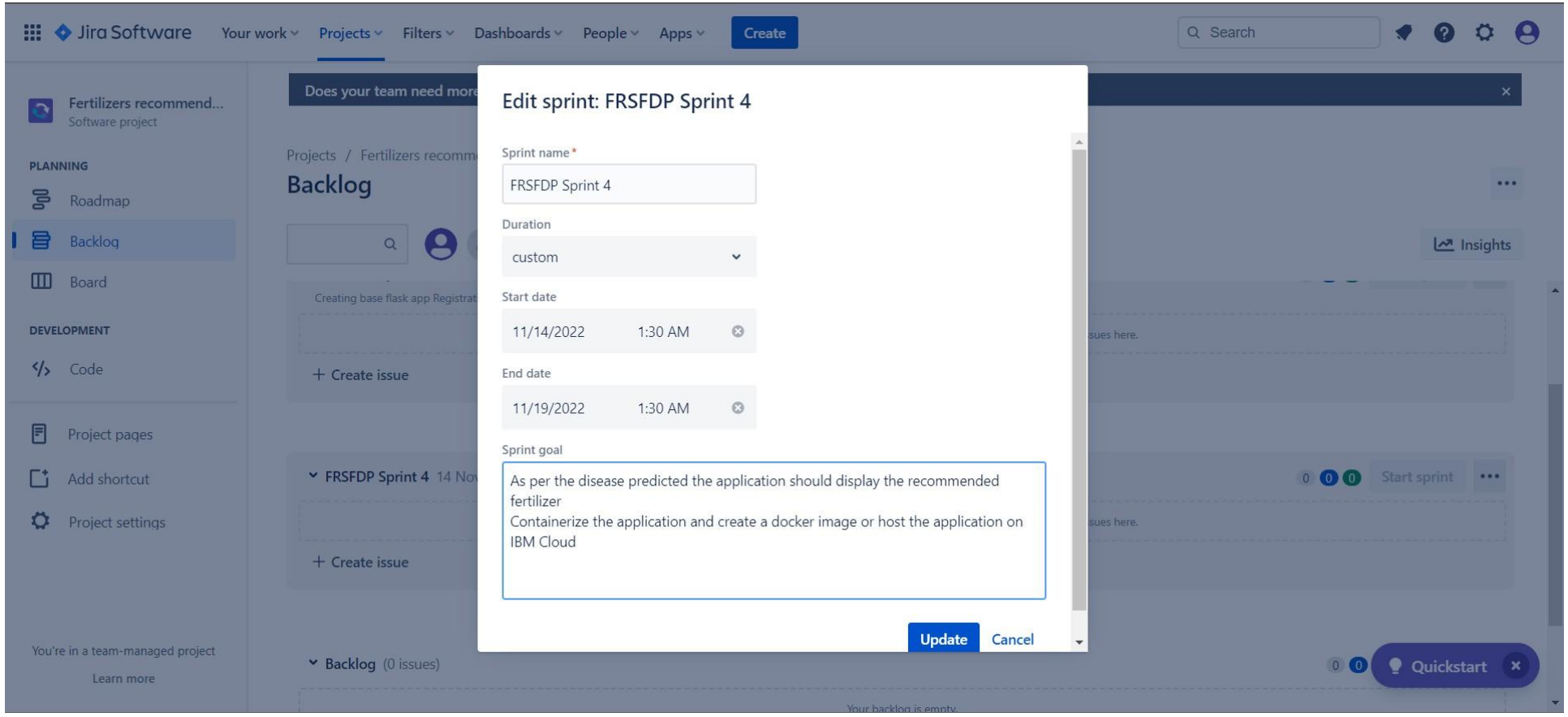
FRSFDP Sprint 1 24 Oct
FRSFDP Sprint 2 31 Oct
FRSFDP Sprint 3 7 Nov
Creating base flask app Registrat
+ Create issue
FRSFDP Sprint 4 14 Nov
As per the disease predicted the application should display the recommended fertilizer Containerize the application and create a docker image or host the application on IBM Cloud
Plan a sprint by dragging the sprint footer down below some issues, or by dragging issues here.
Start sprint
Quickstart
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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Backlog
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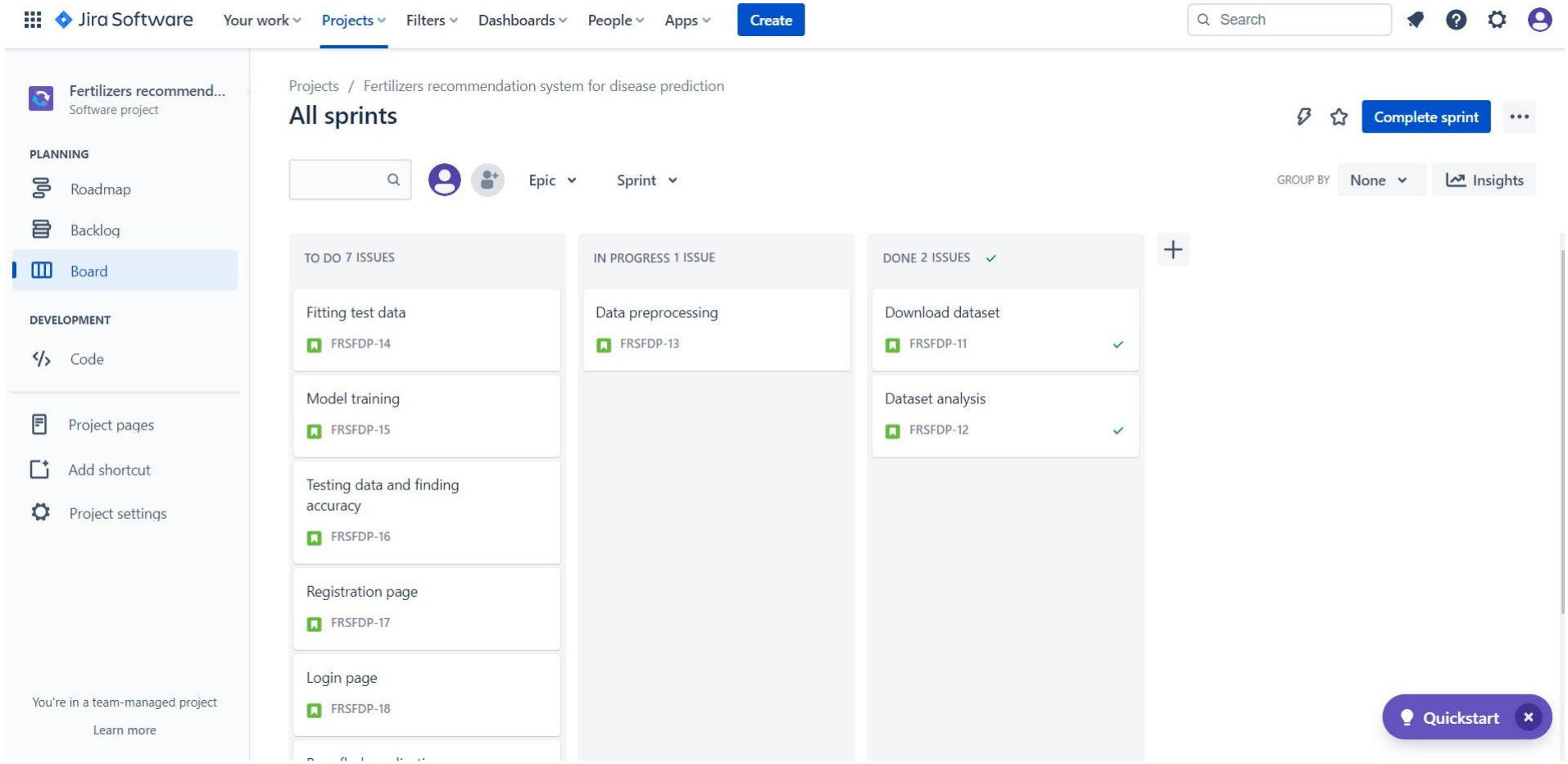
Creating base flask app Registrat
+ Create issue
FRSFDP Sprint 4 14 Nov
Start sprint
+ Create issue
Backlog (0 issues)
Your backlog is empty.
Quickstart
Edit sprint: FRSFDP Sprint 4
Sprint name *
FRSFDP Sprint 4
Duration
custom
Start date
11/14/2022 1:30 AM
End date
11/19/2022 1:30 AM
Sprint goal
As 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

Board: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All sprints
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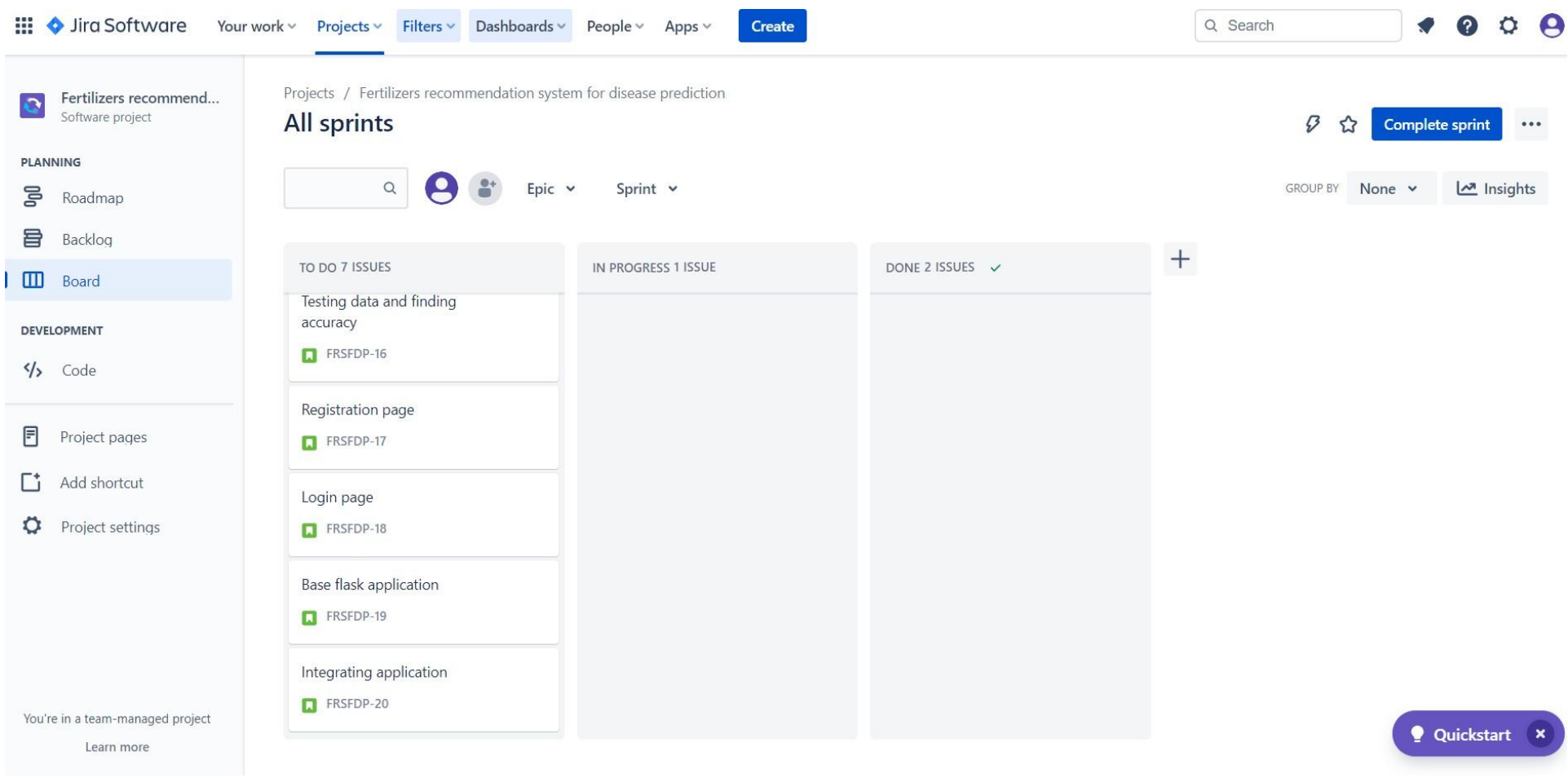
Sprint
GROUP BY
None
Insights
TO DO 7 ISSUES
Fitting test data
FRSFDP-14
Model training
FRSFDP-15
Testing data and finding accuracy
FRSFDP-16
Registration page
FRSFDP-17
Login page
FRSFDP-18
IN PROGRESS 1 ISSUE
Data preprocessing
FRSFDP-13
DONE 2 ISSUES
Download dataset
FRSFDP-11
Dataset analysis
FRSFDP-12
Quickstart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TO DO 7 ISSUES
IN PROGRESS 1 ISSUE
DONE 2 ISSUES
Testing data and finding accuracy
FRSFDP-16
Registration page
FRSFDP-17
Login page
FRSFDP-18
Base flask application
FRSFDP-19
Integrating application
FRSFDP-20
Quickstart