Project Planning Phase

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

Date	13 November 2022
Team ID	PNT2022TMID01892
Project Name	Fertilizer Recommendation System for Disease Prediction
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
Sprint-1	Model Creation and Training (Fruits)		Create a model which can classify diseased fruit plants from given images. I also need to test the model and deploy it on IBM Cloud	8	High	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh
	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images	2	High	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members

Sprint-2	Model Creation and Training (Vegetables)		Create a model which can classify diseased vegetable plants from given images and train on IBM Cloud	6	High	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh
	Registration	USN-1	As a user, I can register by entering my email, password, and confirming my password or via OAuth API	3	Medium	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh
	Upload page	USN-2	As a user, I will be redirected to a page where I can upload my pictures of crops	4	High	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh
	Suggestion results	USN-3	As a user, I can view the results and then obtain the suggestions provided by the ML model	4	High	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh
	Base Flask App		A base Flask web app must be created as an interface for the ML model	2	High	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh
Sprint-3	Login	USN-4	As a user/admin/shopkeeper, I can log into the application by entering email & password	2	High	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh
	User Dashboard	USN-5	As a user, I can view the previous results and history	3	Medium	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh
	Integration		Integrate Flask, CNN model with Cloudant DB	5	Medium	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh
	Containerization		Containerize Flask app using Docker	2	Low	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh
Sprint-4	Dashboard (Admin)	USN-6	As an admin, I can view other user details and uploads for other purposes	2	Medium	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh

	Dashboard (Shopkeeper)	USN-7	As a shopkeeper, I can enter fertilizer products and then update the details if any	2	Low	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh
	Containerization		Create and deploy Helm charts using Docker Image made before	2	Low	Asfaq ahmed, Sudarshan, Henry Bruno, Thibesh

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	10	30 Oct 2022
Sprint-2	15	6 Days	31 Oct 2022	05 Nov 2022	15	06 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022	15	13 Nov 2022
Sprint-4	12	6 Days	14 Nov 2022	19 Nov 2022	10	20 Nov 2022

NOTE: Burndown charts, Velocity to be updated dynamically after end of sprints

Velocity:

Sprint 1 Average Velocity: Average Velocity = 20/2 = 10

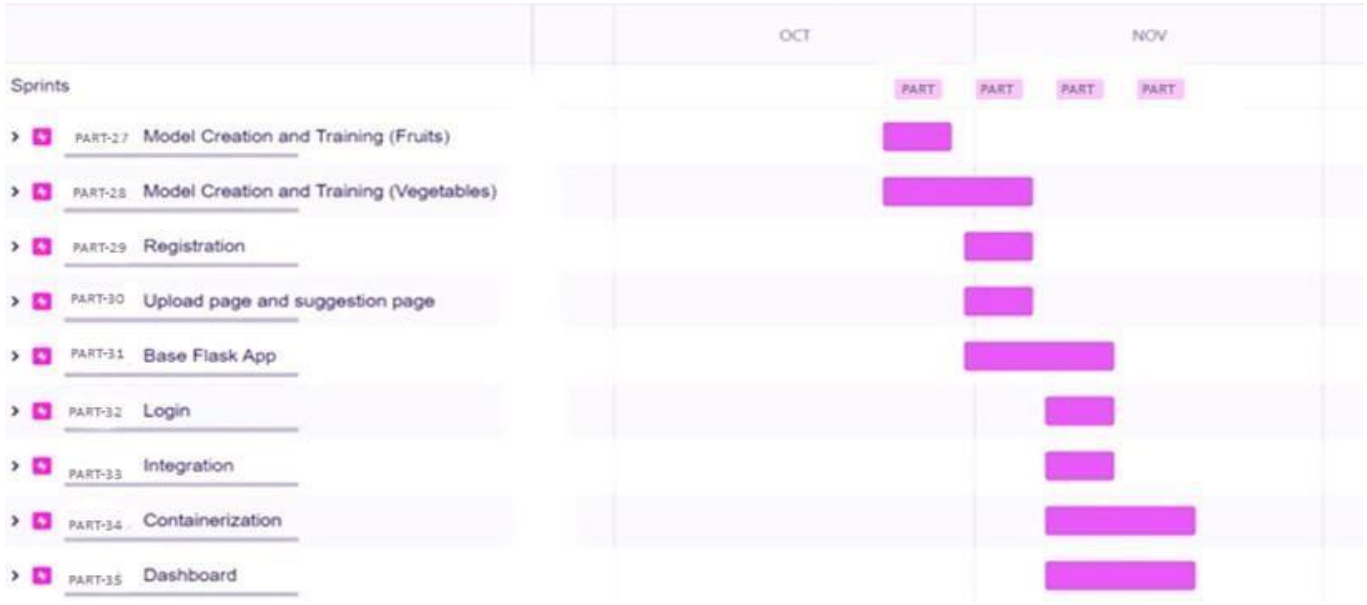
Sprint 2 Average Velocity: Average Velocity = 20/2 = 10

Sprint 3 Average Velocity: Average Velocity = 20/1 = 20

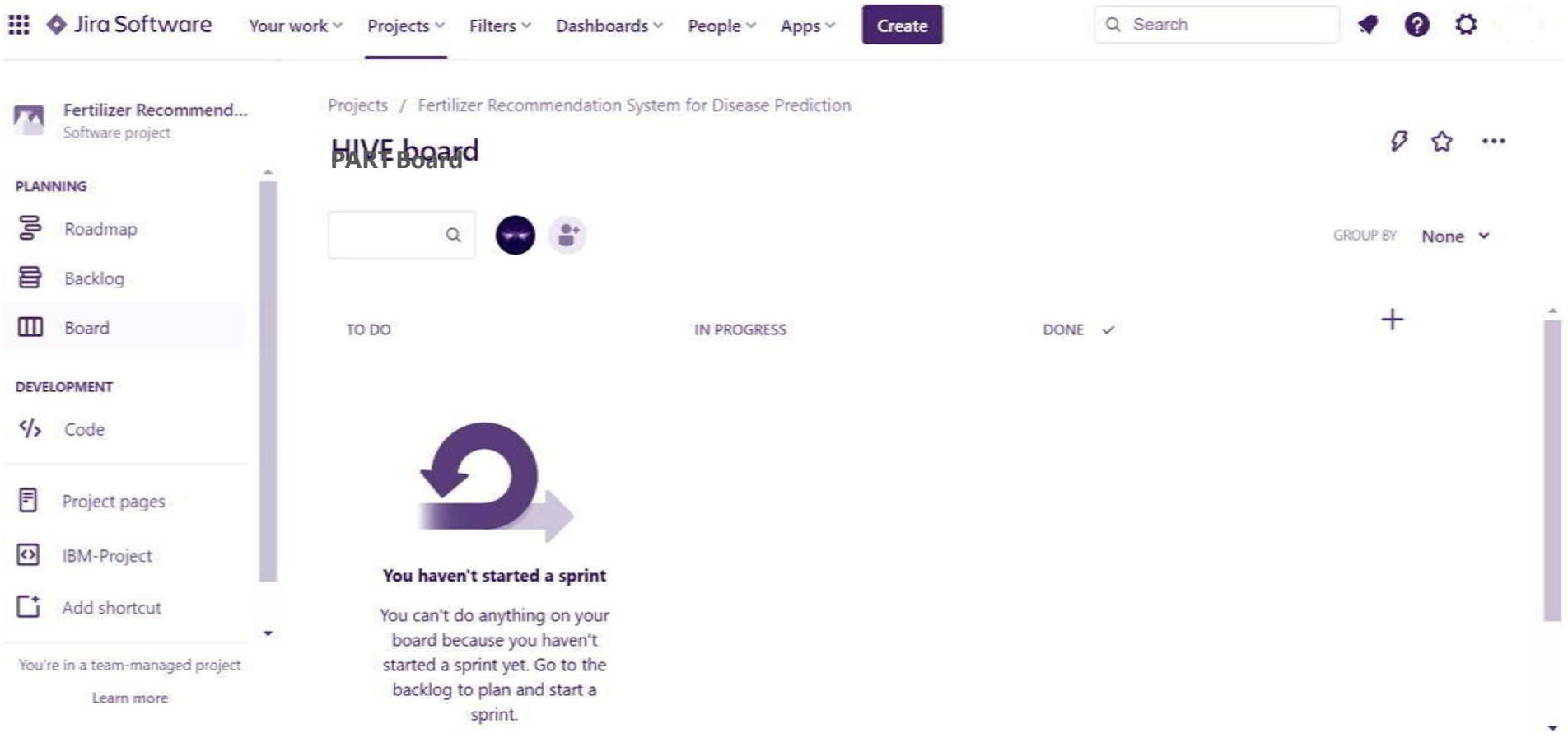
Sprint 4 Average Velocity: Average Velocity = 20/2 = 10

Burndown Chart:

Roadmap:



Screenshots: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None
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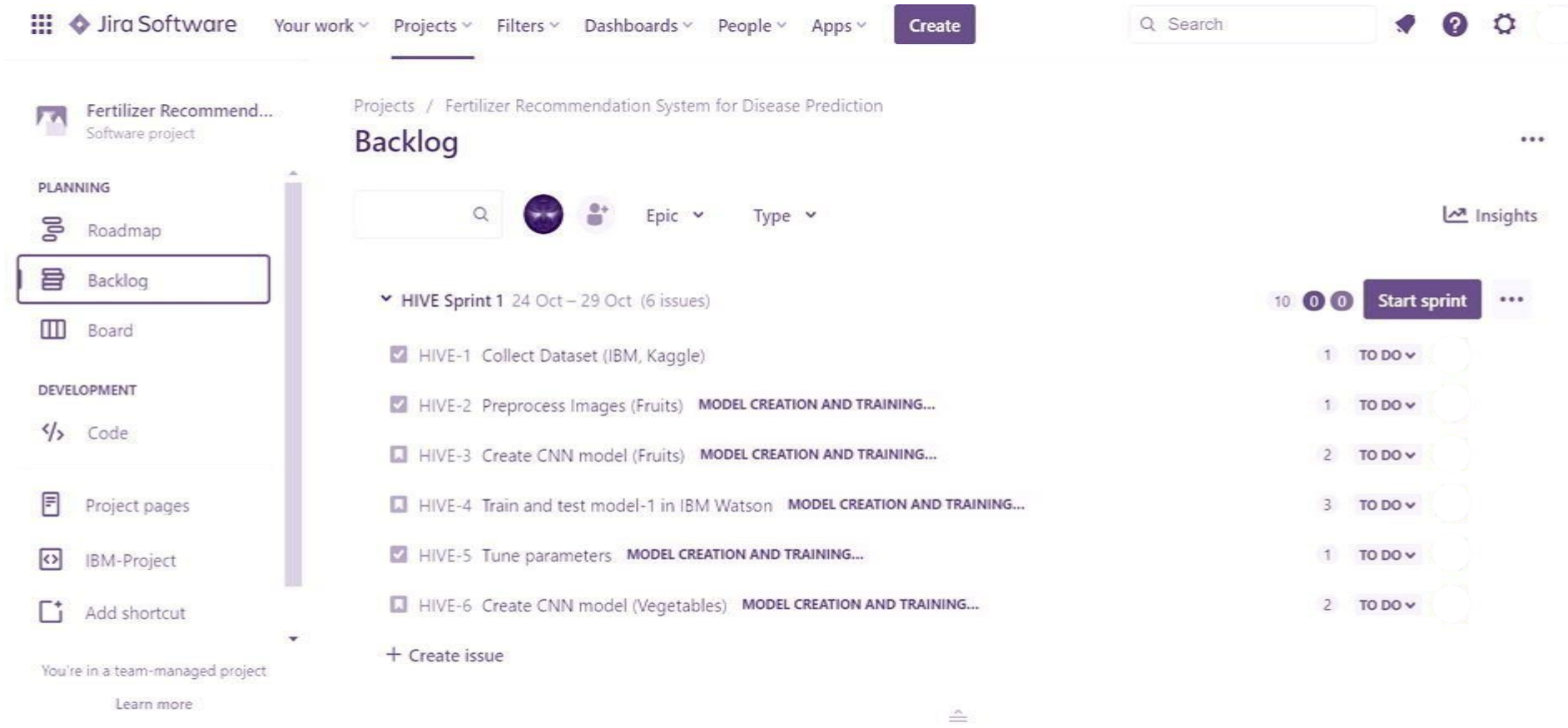
IN PROGRESS
DONE
You haven't started a sprint
You can't do anything on your board because you haven't started a sprint yet. Go to the backlog to plan and start a sprint.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Epic
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Insights
HIVE Sprint 1 24 Oct – 29 Oct (6 issues)
10 0 0
Start sprint
HIVE-1 Collect Dataset (IBM, Kaggle) 1 TO DO
HIVE-2 Preprocess Images (Fruits) MODEL CREATION AND TRAINING... 1 TO DO
HIVE-3 Create CNN model (Fruits) MODEL CREATION AND TRAINING... 2 TO DO
HIVE-4 Train and test model-1 in IBM Watson MODEL CREATION AND TRAINING... 3 TO DO
HIVE-5 Tune parameters MODEL CREATION AND TRAINING... 1 TO DO
HIVE-6 Create CNN model (Vegetables) MODEL CREATION AND TRAINING... 2 TO DO
Create issue