Planning Phase

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

Date	2-11-2022
Team ID	PNT2022TMID38223
Project Name	Fertilizers Recommendation System for Disease Prediction
Maximum Marks	8mark

Prepare Milestone Activity List

Product Backlog, Sprint Schedule, and Estimation

Planning	**Start Date**	**End Date**	**Team Member**	**Process**
Prerequisites	24-10-22	24-10-22	G. Pavithra	Download the Anaconda Navigator Install the packages (NumPy, pandas, keras, tensor flow)
Data Collection	25-10-22	25-10-22	G. Pavithra K. Chithra N. Vishali M. Shylaja	Download the Dataset
Image Processing	26-10-22	31-10-22	G. Pavithra K. Chithra N. Vishali M. Shylaja	Process the Image Apply the Image Data Generator Functionality to the Train set and Test set
Model Building For	01-11-22	05-11-22	G. Pavithra K. Chithra N. Vishali	Import the Libraries Initializing the model Add CNN Layers

Fruits Disease Prediction			M. Shylaja	Add Dense Layers Train and save the model
Model Building For Vegetables Disease Prediction	06-11-22	10-11-22	G. Pavithra K. Chithra N. Vishali M. Shylaja	Train and save the model
Test Both The Models	11-11-22	14-11-22	G. Pavithra K. Chithra	Test the model
Train The Model On IBM	13-11-22	15-11-22	G. Pavithra K. Chithra N. Vishali M. Shylaja	Register for IBM Cloud Train Model on IBM
Application Building	24-10-22	15-11-22	G. Pavithra K. Chithra N. Vishali M. Shylaja	Built Python Code Built HTML Page Run the Code

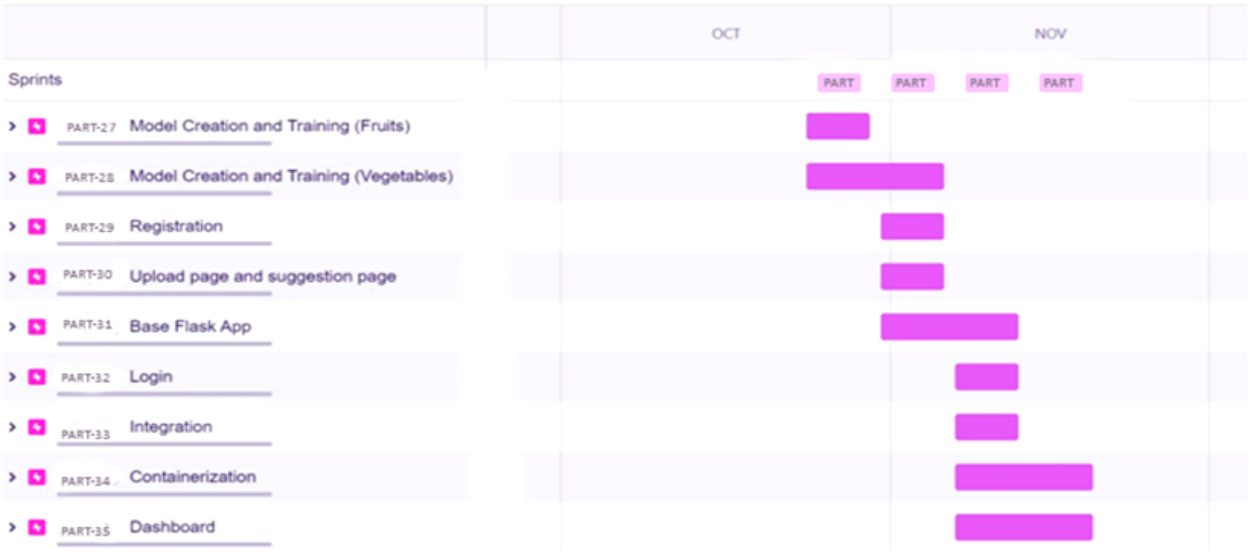
Sprint	**Functional Requirements (Epic)**	**User Story Number**	**User Story/Task**	**Story Points (Total)**	**Priority**	**Team Members**
Sprint-1	Model Creation and Training (Fruits)		Create a model which can classify diseased fruit plants from given images. I also need to test the model and deploy it on IBM Cloud	8	High	G. Pavithra, K. Chithra, N. Vishali, M. Shylaja

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

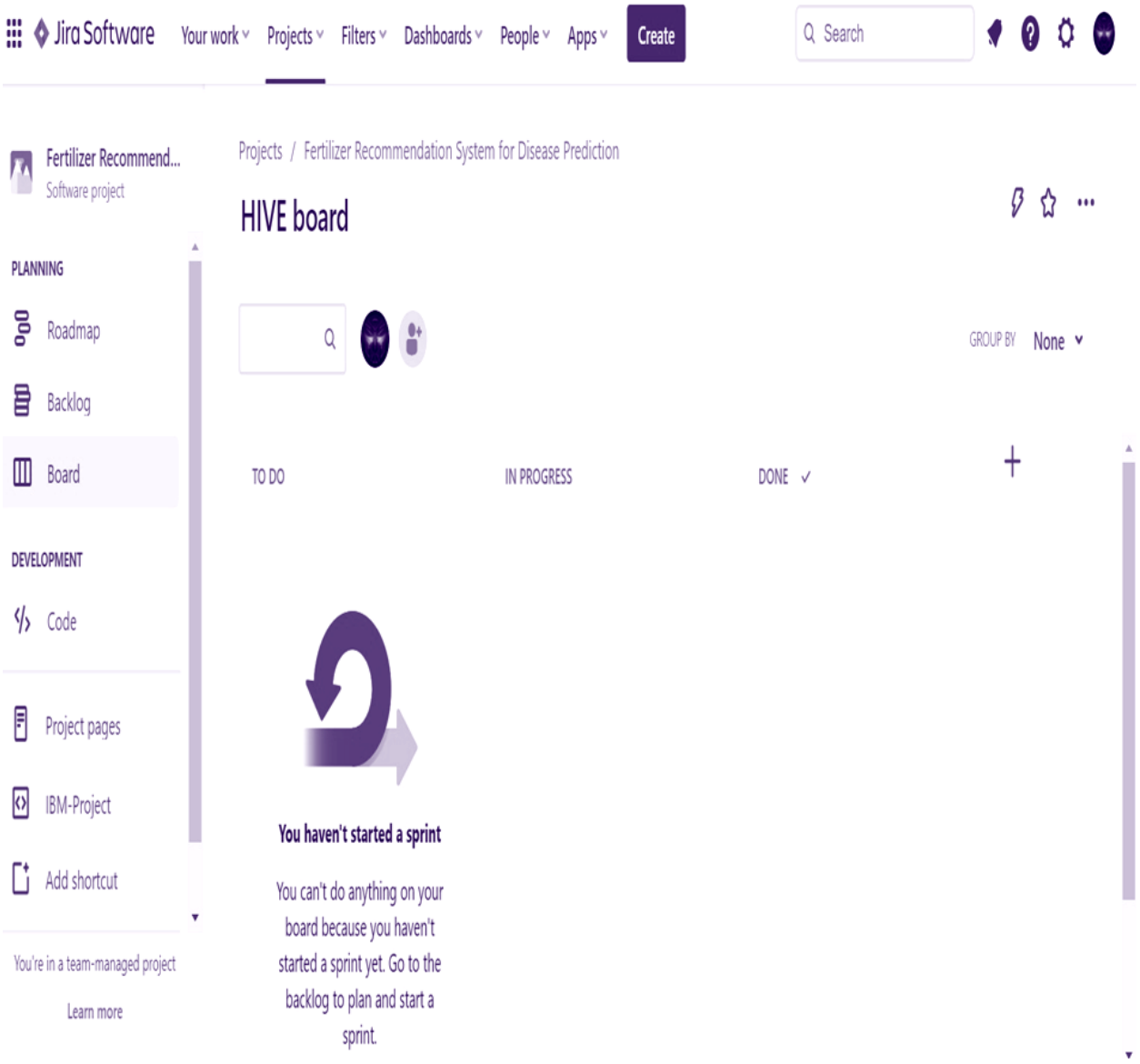
	Dashboard (Shopkeeper)	USN-7	As a shopkeeper, I can enter fertilizer products and then update the details if any	2	Low	G. Pavithra, K. Chithra, N. Vishali, M. Shylaja
	Containerization		Create and deploy Helm using Docker Image made before	2	Low	G. Pavithra, K. Chithra, N. Vishali, M. Shylaja

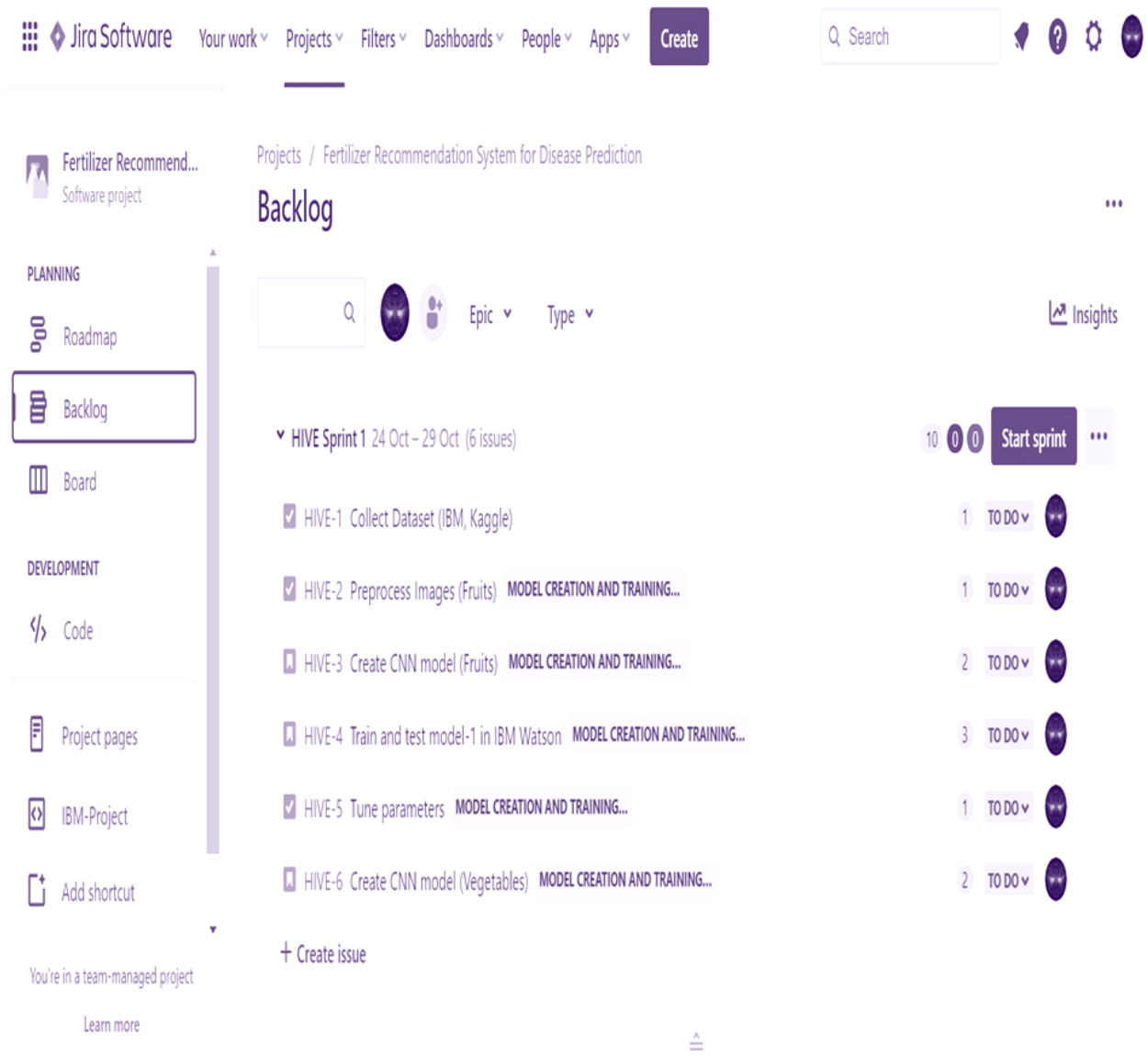
Note: Burndown charts, Velocity to be updated dynamically after end of sprints

Roadmap



Screenshots




Jira Software
Your work
Projects
Filters
Dashboards
People
Apps
Create
Search
Fertilizer Recommend...
Software project
PLANNING
Roadmap
Backlog
Board
DEVELOPMENT
Code
Project pages
IBM-Project
Add shortcut
You're in a team-managed project
Learn more
Projects / Fertilizer Recommendation System for Disease Prediction
Backlog
Epic
Type
Insights
HIVE Sprint 1 24 Oct – 29 Oct (6 issues)
10 0 0
Start sprint
HIVE-1 Collect Dataset (IBM, Kaggle)
HIVE-2 Preprocess Images (Fruits) MODEL CREATION AND TRAINING...
HIVE-3 Create CNN model (Fruits) MODEL CREATION AND TRAINING...
HIVE-4 Train and test model-1 in IBM Watson MODEL CREATION AND TRAINING...
HIVE-5 Tune parameters MODEL CREATION AND TRAINING...
HIVE-6 Create CNN model (Vegetables) MODEL CREATION AND TRAINING...
1 TO DO
1 TO DO
2 TO DO
3 TO DO
1 TO DO
2 TO DO
Create issue