

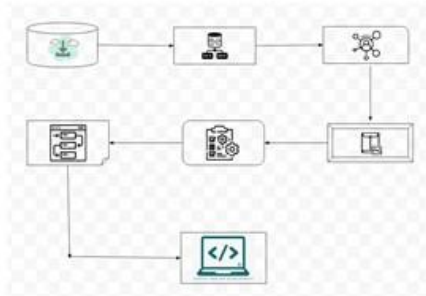
Project Design Phase-II
Data Flow Diagram & User Stories

Date	30 October 2022
Team ID	PNT2022TMID10695
Project Name	Fertilizer recommendation system for disease prediction
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example: (Simplified)

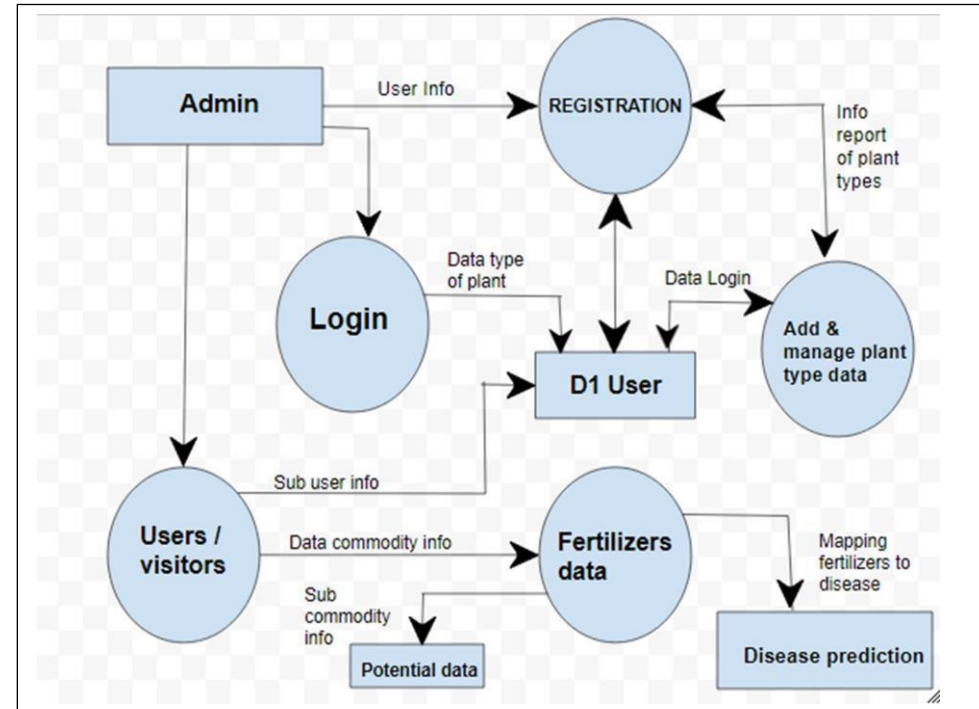


- Download the dataset.
- Classify the dataset into train and test sets.
- Add the neural network layers.
- Load the trained images and fit the model.
- Test the model.
- Save the model and its dependencies.
- Build a Web application using a flask that integrates with the model built.

User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application via mobile/desktop.	I can register & access the dashboard with login credentials.	Low	Sprint-2
		USN-4	As a user, I can register for the application through Google service/cloud.	Valid Google account to be linked and verified.	Medium	Sprint-1

Example: DFD Level 0 (Industry Standard)



	Login	USN-5	As a user, I can see or access the data for crops and disease respectively.	To access, his credentials must be verified.	High	Sprint-1
	Dashboard	USN-6	As a user I want the dashboard to be glitch free and the records to be updated effectively.	Valid and accurate records to be entered.	Low	Sprint-2
Customer (Web user)	Login	USN-7	As a web user, I can login into the application so that it presents me my preferences.	Preference presentation must be accurate and necessary	Medium	Sprint-1
	Dataset	USN-8	As a web user, I want to view the dataset so that I can know which plants are there.	The plant types should be of different species and of wide variety.	Medium	Sprint-1
Customer Care Executive	Validation	USN-9	As a customer care executive, I want the customers portfolio to be verified and of high priority.	The customer's SSN details to be provided with proof.	High	Sprint-1
	Capital	USN-10	As a customer care executive, I need minimal amount/fees for those who access dataset and resources.	Payment modes can be done through valid banks or digitally(gpay,paytm etc)	High	Sprint-1
Administrator	Access/Privileges	USN-11	As an admin, I want to allow access and restrict to whom I prefer.	Customer Records to be provided	High	Sprint-1
	Modification/Update	USN-12	As an admin, I want to modify or update records or application if required.	Only valid requests to modify will be allowed access	Medium	Sprint-1