Project Design Phase-II
Data Flow Diagram & User Stories
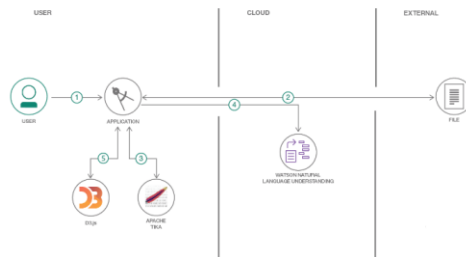
Date	13 October 2022
Team ID	PNT2022TMID08602
Project Name	Project-Fertilizers Recommendation System For Disease Prediction
Maximum Marks	4 Marks

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.
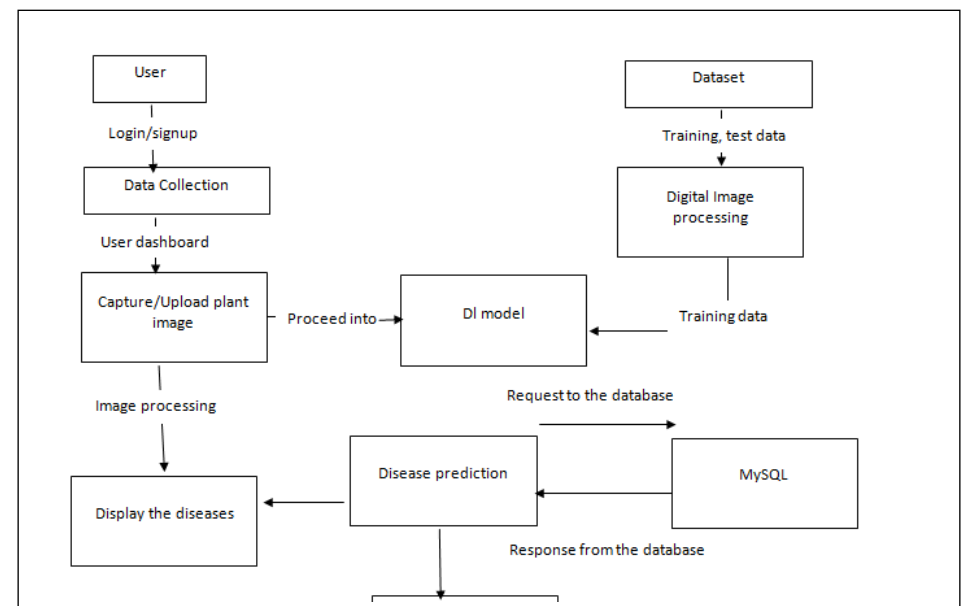
Example: (Simplified)

Flow

1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

Example: DFD Level 0 (Industry Standard)

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Login/Signup	USN-1	As a user, I can login or create my account by providing the credentials like email-id, password, residential address and crop cultivated.	I can access my account	High	Sprint-1
Customer (Mobile user)	Home Page	USN-2	As a registered user, I can capture/upload the crop/plant image.	I am in Home/user page	High	Sprint-2
Customer (Mobile user)	Dashboard	USN-3	I can able to know the disease predicted.	Alter/Notification in home screen	High	Sprint-3
Customer (Mobile user)	Notifications	USN-4	I can also get the recommendation of the specific fertilizer to be used.	I will receive messages	High	Sprint-4
Customer (Mobile user)	Primary Mail	USN-5	Besides I am able to get an alternative fertilizes suggestion in uncertain cases where some fertilizers might be unavailable.	I will receive email	Low	Sprint-5