Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID27490
Project Name	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.

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                          ┌─────────────┐
                          │   FARMER    │
                          └─────────────┘
                  ┌──────────────┴──────────────┐
                  ▼                              ▼
           ┌───────────┐                  ┌───────────┐
           │   PLANT   │   recommended    │ IMAGE OF  │
           │  DETAILS  │   fertilizer     │   LEAF    │
           └───────────┘                  └───────────┘
                  │                              │
                  │                      image processing
                  │                              │
                  ▼                              ▼
           ┌──────────────────┐              ┌──────────────────┐              ┌──────────────┐
           │   RECOMMENDED    │              │  CLASSIFICATION  │              │  AVAILABLE   │
           │   FERTILIZER     │──identifies the disease──│    PROCESS   │◀─────│   DATASET    │
           └──────────────────┘              └──────────────────┘              └──────────────┘
```

FARMER

PLANT DETAILS

recommended fertilizer

IMAGE OF LEAF

image processing

RECOMMENDED FERTILIZER

identifies the disease

CLASSIFICATION PROCESS

AVAILABLE DATASET
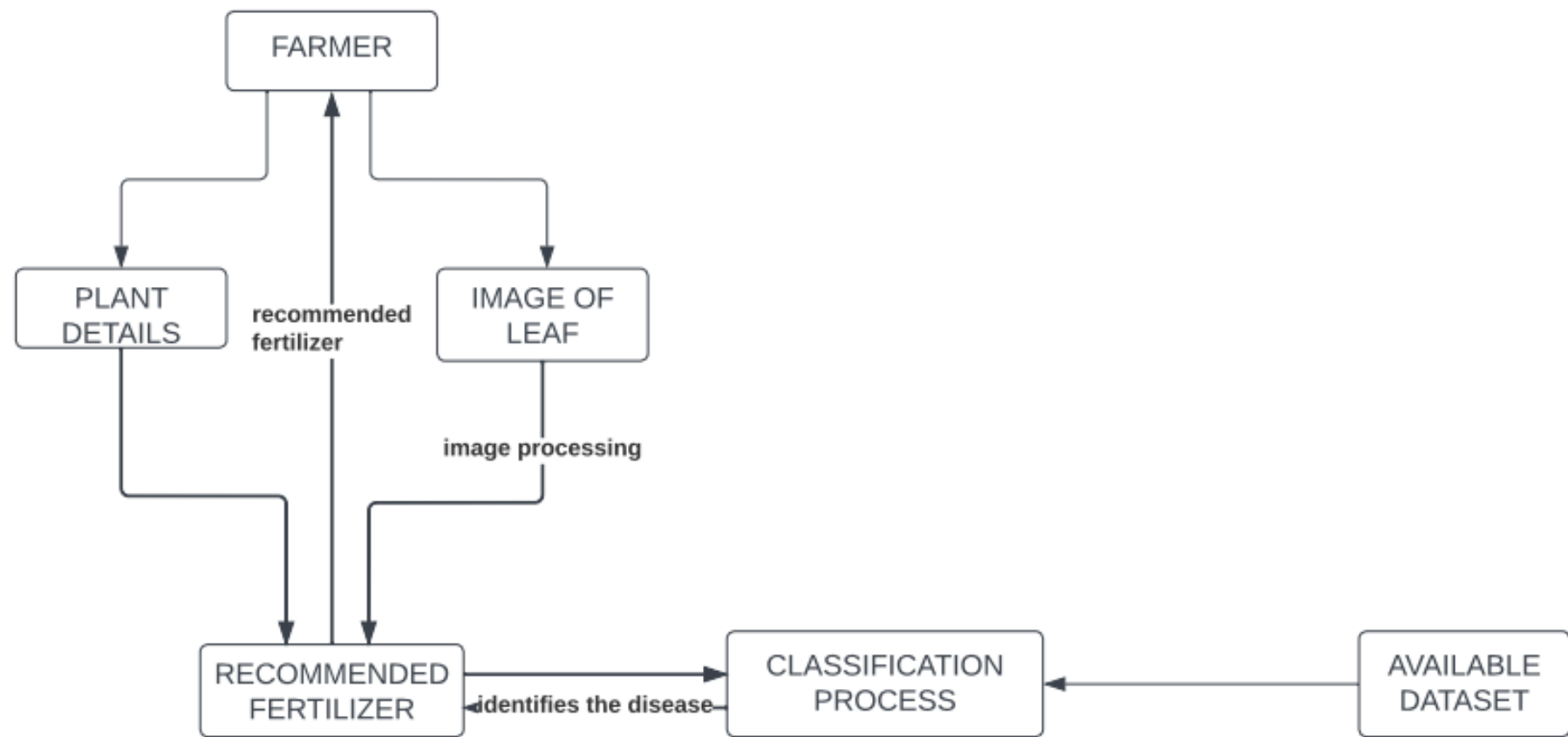
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	Login	USN-1	As a user, I can visit the website by typing the URL of the website	I can access the page	High	Sprint-3
	Dashboard	USN-2	As a user, I can upload the infected image for the fertilizer recommendation	I can access the dashboard	High	Sprint-2
		USN-3	As a user, I can get the fertilizer recommendation	I can get my best fertilizer	High	Sprint-3
Administrator	Database upgrade	USN-4	As an administrator, I can add the new fertilizer to the database	I can access the database	High	Sprint-1