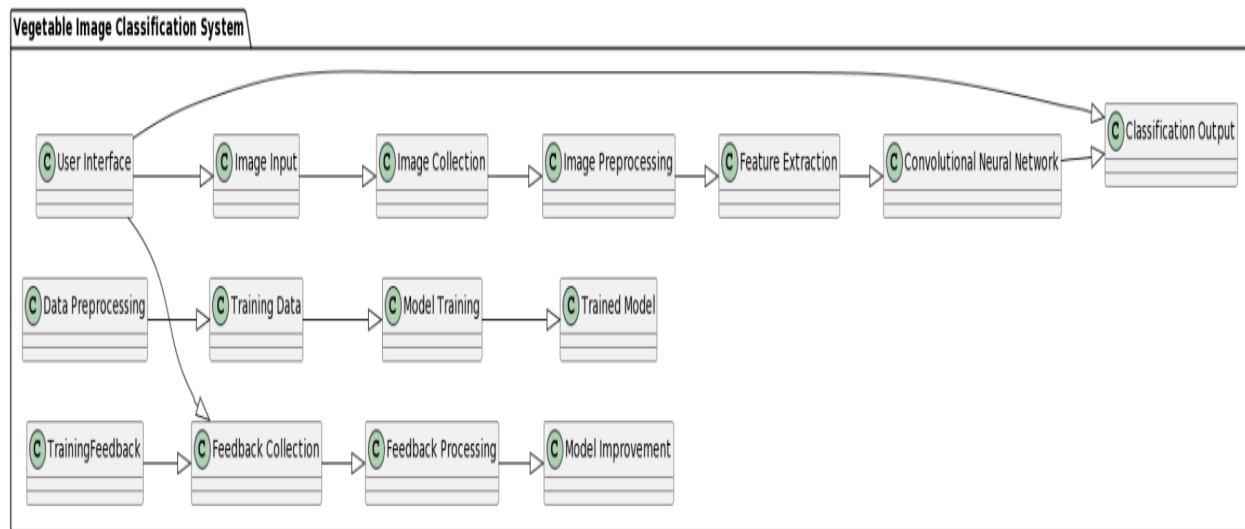


Project Design Phase Data Flow Diagram

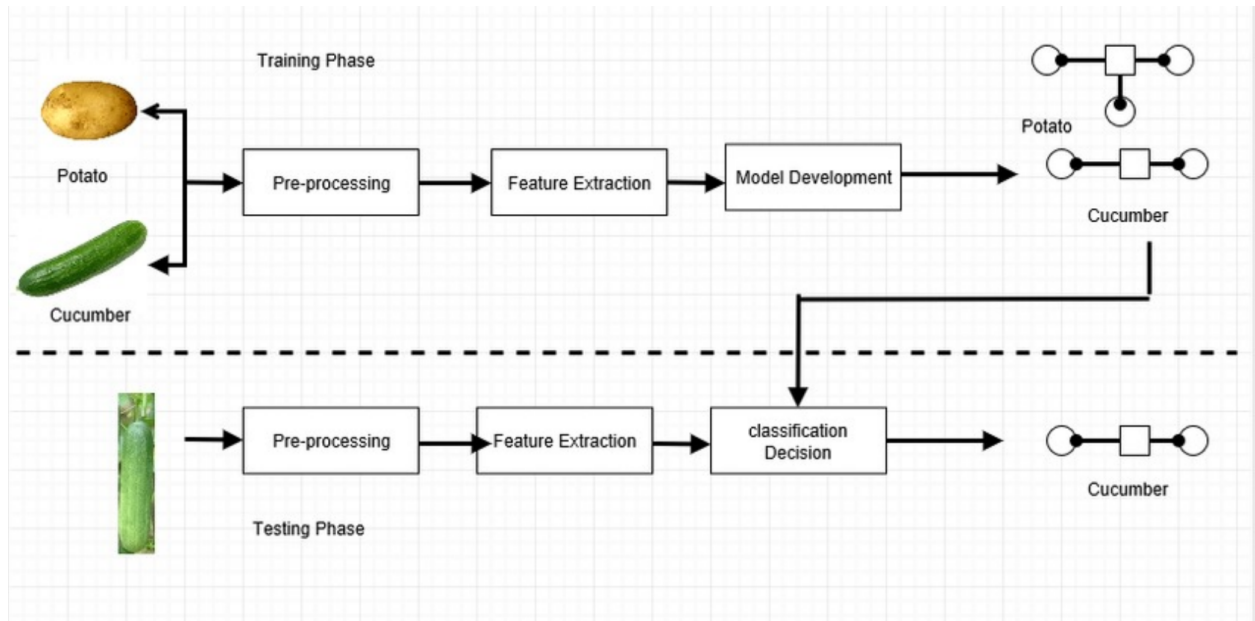
Date	27 October 2023
Team ID	Team-592290
Project Name	GreenClassify using Deep Learning
Maximum Marks	2 Marks

Data Flow Diagram:

A Data Flow Diagram (DFD) is a visual representation of how data moves within a system. It uses symbols and arrows to illustrate the flow of data between processes, data stores, external entities, and data flows. DFDs help in understanding, analyzing, and designing information systems by showing how data is input, processed, and output within a system.



Example:



User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Data Collector	Data Collection	US01	As a Data Collector, I want to upload images of various vegetables for training the system.	1. The system allows me to upload multiple images.	High	Iteration 1

Data Preparer	Data Preprocessing	US02	As a Data Preparer, I need the system to preprocess the images for training.	1. Images are resized and normalized. 2. Images are labeled with their corresponding types.	High	Iteration 1
Data Scientist	Model Training	US03	As a Data Scientist, I want to train a Convolutional Neural Network (CNN) model.	1. The system provides options to configure the model. 2. Training progress is displayed.	High	Iteration 2
Model Analyst	Model Improvement	US04	As a Model Analyst, I need to analyze feedback and improve the model.	1. Feedback is collected and stored. 2. Feedback is used to fine-tune the model.	Medium	Iteration 2

User	Image Classification	US05	As a User, I want to upload vegetable images and get their types classified.	1. The system allows me to upload a single image. 2. The system displays the classified type.	High	Iteration 1
Administrator	System Management	US06	As an Administrator, I need to manage user roles and access control.	1. Administrator can create, modify, or deactivate user accounts. 2. Access control is enforced.	Medium	Iteration 2