**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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**Data Flow Diagrams:**

The classic visual representation of how information moves through a system is a data flow diagram (DFD). A tidy and understandable DFD can graphically represent the appropriate quantity of the system demand. It can be done manually, automatically, or both.It demonstrates how information enters and exits the system, what modifies the data, and where information is kept.A DFD's goal is to outline the boundaries and scope of a system as a whole. It can be utilised as a communication tool between a system analyst and any participant in the sequence that serves as the foundation for system redesign.

**LEVEL-2**

Preprocessed images

Guided Active contour methods

Leaf boundary prediction

Polygon shape model

**LEVEL-3**

Leaf boundary values

Neural network algorithm

Disease name

Classify the affected pixels

Trained database

**LEVEL 4**

Leaf disease

Analyze the disease name

Provide fertilizer with measurements

Extract the fertilizer name

Fertilizer names