Project Design Phase-II
Data Flow Diagram & User Stories

| Date	31 May 2025
Team ID	LTVIP2025TMID43861
Project Name	Transfer Learning-Based Classification of Poultry Diseases for Enhanced Health Management
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:
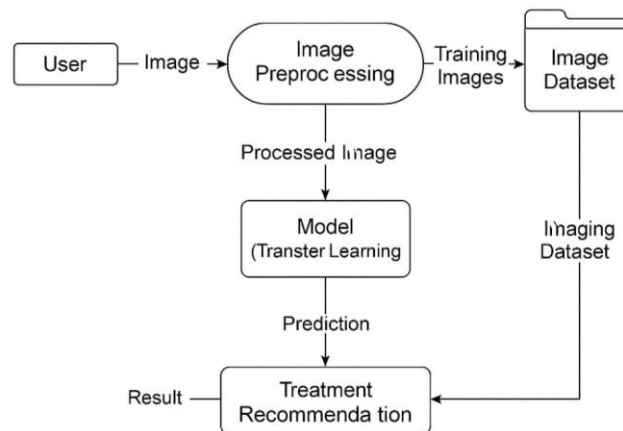
**Enhanced Health Management
Application Data Flow Diagram**
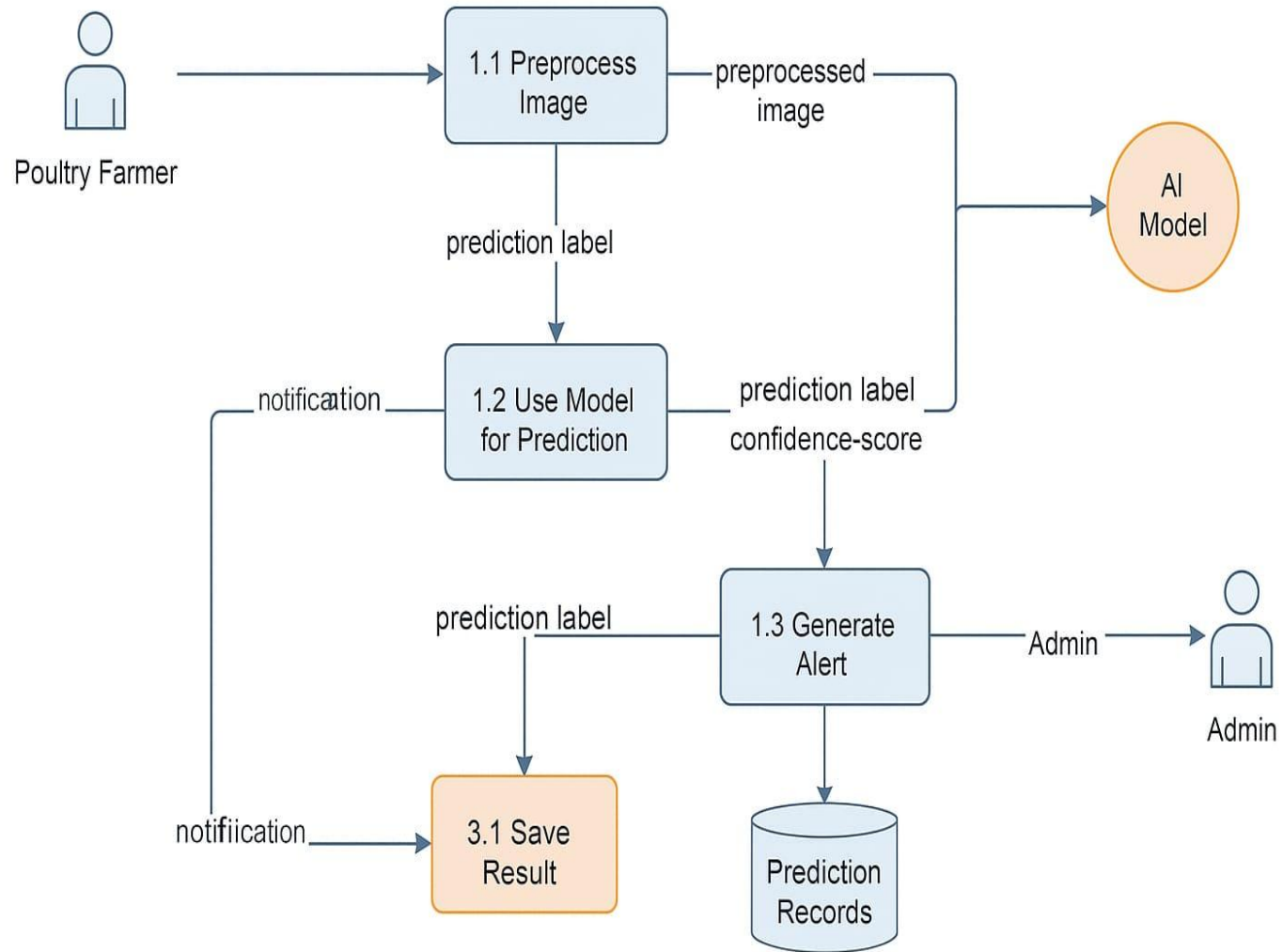
User Stories

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
Farmer(Mobile User)	Image Upload	USN-1	As a farmer, I can upload an image of a sick bird using my mobile phone	I can successfully upload poultry images and see confirmation	High	Sprint-1
Farmer(Mobile User)	Disease Classification	USN-2	As a farmer, I want to know what disease the bird has based on the image I submitted	I get a disease prediction result (e.g., , Healthy, etc.)	High	Sprint-2
Farmer(Mobile User)	Notification alert	USN-3	As a farmer, I want to receive alerts if the bird is suffering from a dangerous disease	I receive a mobile or email notification alerting me about the condition	Medium	Sprint-2
Farmer(Mobile User)	Login	USN-4	As a farmer, I can log into the application using my phone number and password	I can successfully log in and access the app features	High	Sprint-1
Farmer(Mobile User)	Disease History	USN-5	As a farmer, I can view previously submitted images and the disease prediction history	I can access my historical predictions from a dashboard	Medium	Sprint-3
Admin	Dashboard	USN-6	As an admin, I can view reports by disease type, region, and date	I can access the admin panel and filter reports	Low	Spirit-4
Developer/Admin	Model Update	USN-7	As a developer, I can upload new poultry images with labels to improve the prediction model (transfer learning)	I can successfully upload data and trigger model retraining	Medium	Spirit-4