Project Design Phase-II
Data Flow Diagram & User Stories

Date	27 June 2025
Team ID	LTVIP2025TMID40716
Project Name	Transfer Learning-Based Classification of Poultry Diseases for Enhanced Health Management
Maximum Marks	4 Marks

Data Flow Diagrams:

External Entities:

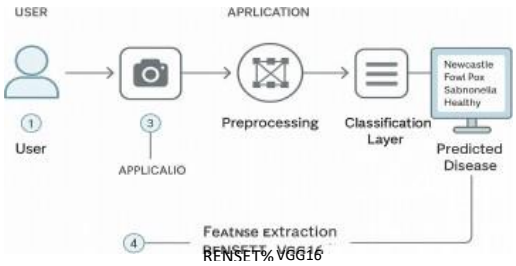
- User: The person who captures or uploads poultry images.
- Trained Model: Pre-trained deep learning model (like VGG16/ResNet).

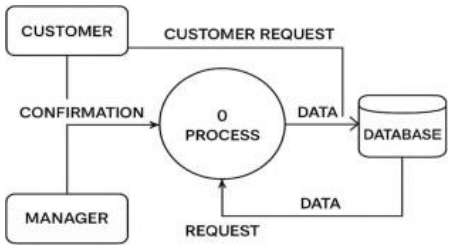
Processes:

1. Image Input— Accept image input from user.
2. Preprocessing — Resize, normalize, and clean the image.
3. Feature Extraction — Extract deep features using a pretrained model.
4. Classification — Identify disease class based on features.
5. Result Display — Output the predicted disease to the user.

Data Stores:

- Image Dataset— Stores poultry disease images used for training/testing.
    - Model Weights — Stores the pre-trained weights and architecture.





User Type	Functional Requirement Epic	user Story Number	User Story I Task	Acceptance criteria	Priority	Release
Farmer (Mobile/Web User	Registration	USN-I	As a user, I can register by entering email, password, and confirming password.	I can access my account/dashboard after registration.	High	Sprint-I
Farmer	Login	USN-2	As a user, I can log in using my registered credentials.	I can enter app and view upload o ion.	High	Sprint-I
Farmer	Image Upload	USN-3	As a user, I can upload an image of a chicken.	The image is uploaded and processed.	High	Sprint-I
Farmer	Disease Detection	USN-4	As a user, I can get the disease name after image upload	Model gives result Health / Disease name .	High	Sprint-I
Farmer	Disease Information	USN-5	As a user, I can see brief info/tips about the detected disease.	Info page opens with details.	Medium	Sprint-2
Admin	View Uploaded Ima es	USN-6	As an admin, I can view all uploaded images and prediction 10	Admin panel shows image history and predictions.	Medium	Sprint-2
Admin	Manage Users	USN-7	As an admin, I can block or remove fake/invalid users.	Admin dashboard allows user control.	Low	Sprint-2