**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| Date | 31 January 2025 |
| Team ID | LTVIP2025TMID59571 |
| 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:** [**(Simplified)**](https://developer.ibm.com/patterns/visualize-unstructured-text/)

**+-----------------+**

**| User |**

**|(Uploads Image) |**

**+--------------+--------------+**

**| Process 1: Image Upload |**

**| & Preprocessing (Resize, |**

**| Normalize, Encode) |**

**+--------------+--------------+**

**| Process 2: Disease |**

**| Classification (ResNet18) |**

**+--------------+--------------+**

**| Output Result |**

**| (Prediction) |**

**+--------+--------+**

**| User Interface (Web/App) |**

**+--------------+--------------+**

**| Data Store |**

**|(Optional Logs) |**

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**User Stories**

Use the below 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** |
| --- | --- | --- | --- | --- | --- | --- |
| Customer (Mobile user) | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | I can access my account / dashboard | High | Sprint-1 |
|  |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | I can receive confirmation email & click confirm | High | Sprint-1 |
|  |  | USN-3 | As a user, I can register for the application through Facebook | I can register & access the dashboard with Facebook Login | Low | Sprint-2 |
|  |  | USN-4 | As a user, I can register for the application through Gmail |  | Medium | Sprint-1 |
|  | Login | USN-5 | As a user, I can log into the application by entering email & password |  | High | Sprint-1 |
|  | Dashboard |  |  |  |  |  |
| Customer (Web user) | Dashboard | USN-6 | As a user, I can view disease prediction results on a web dashboard | I can upload an image and get a predicted result displayed | High | Sprint-2 |
| Customer Care Executive | Support Ticket View | USN-7 | As an executive, I can view user-submitted issues related to prediction errors or bugs | I can view, filter, and assign support tickets | Medium | Sprint-3 |
| Administrator | Model Performance Monitoring | USN-10 | As an admin, I can monitor model accuracy and upload new versions | I can update the model and track logs | Medium | Sprint-3 |
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