**Project Design Phase-II**

**Data Flow Diagram & User Stories**

|  |  |
| --- | --- |
| Date | 29 June 2025 |
| Team ID | LTVIP2025TMID39151 |
| Project Name | Transfer Learning-Based Classification of Poultry Diseases for Enhanced Health Management |
| Maximum Marks | 4 Marks |

**Data Flow Diagrams:**

**Farmer / User**

Symptom Data, Images

**Mobile App Interface**

Processes Input

**Disease Classification System (ML Model)**

Stores symptom history, disease records

**Database**

**Mobile App Interface**

**Disease Result + Recommendations**

**Disease Report, Treatment Suggestions**

**User Stories**

| **User Type** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| --- | --- | --- | --- | --- | --- | --- |
| Farmer (Mobile user) | Registration | USN-1 | |  | | --- | |  |  |  | | --- | | As a farmer, I can register with my phone  number and password. | | I can successfully log in after registration. | High | Sprint-1 |
| Farmer (Mobile user) | Registration | USN-2 | As a farmer, I can receive a confirmation SMS after successful registration. | I receive an SMS and can verify my account. | High | Sprint-1 |
| Farmer (Mobile user) | Symptom Submission | USN-3 | As a farmer, I can enter bird symptoms and upload images to get disease prediction. | I get a disease classification result after submitting data. | High | Sprint-1 |
| Farmer (Mobile user) | View Disease Result | USN-4 | As a farmer, I can view disease diagnosis and treatment suggestions immediately. | Diagnosis and treatment info is displayed clearly. | High | Sprint-1 |
| Farmer (Mobile user) | View History | USN-5 | As a farmer, I can view my past diagnoses and treatment history. | I can access previous records easily. | Medium | Sprint-2 |
| Farmer (Mobile user) | Language Preference | USN-6 | As a farmer, I can choose my preferred language in the app. | App interface updates to my selected language. | Medium | Sprint-2 |
| Veterinary Expert | Review Cases | USN-7 | |  | | --- | |  |  |  | | --- | | As a vet, I can access submitted cases and provide expert advice. | | I can review user-submitted data and send feedback. | Medium | Sprint-2 |
| Admin | User Management | USN-8 | As an admin, I can manage user accounts and control system access. | I can create, edit, or deactivate user accounts. | High | Sprint-1 |
| Admin | |  | | --- | |  |  |  | | --- | | Disease Database  Management | | USN-9 | |  | | --- | |  |  |  | | --- | | As an admin, I can update disease information and treatment recommendations in the system. | | Updated information reflects in the app | High | Sprint-1 |