

Project Design Phase-II

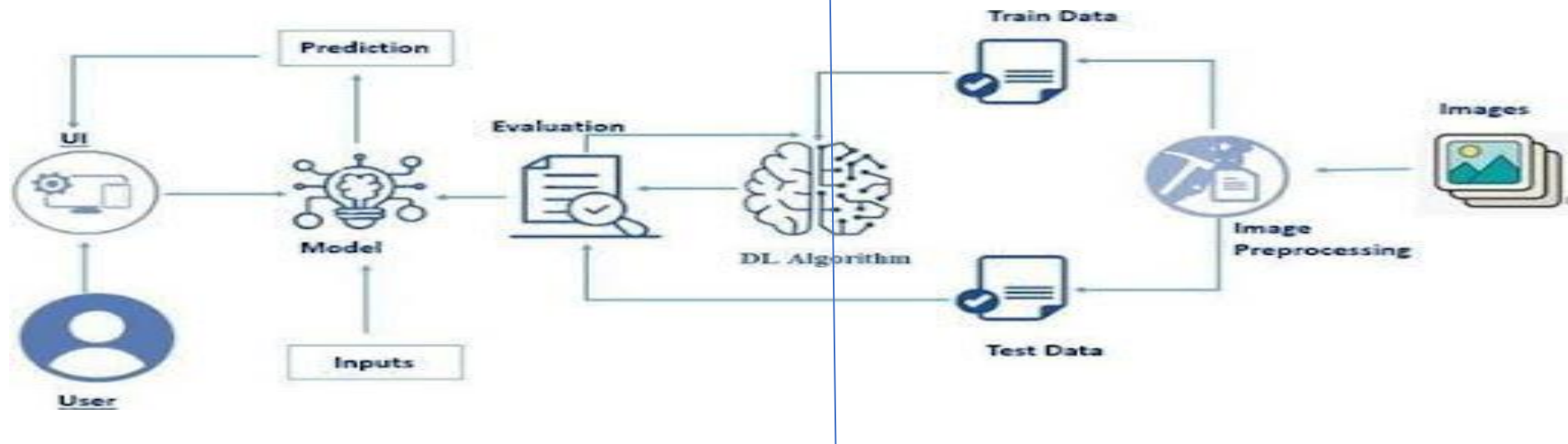
Data Flow Diagram & User Stories

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|---------------|---|
| Team ID | LTVIP2025TMID38181 |
| Project Name | Enchanted Wings :Marvels Of butterfly Species |
| 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: [\(Simplified\)](#)



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 |
|---------------------|-------------------------------|-------------------|--|---|----------|----------|
| Researcher (Mobile) | Image Upload | USN-1 | As a user, I can upload a butterfly image from my phone to identify the species. | The system should display predicted species name and confidence score. | High | Sprint-1 |
| Researcher (Mobile) | Species Info Display | USN-2 | As a user, I can view detailed species info after classification. | I can access a species info panel with facts, habitat, and image. | High | Sprint-1 |
| Student (Web user) | Learn by Image | USN-3 | As a user, I can test my butterfly knowledge using uploaded images. | The system provides correct/incorrect feedback based on user guess. | Medium | Sprint-2 |
| Citizen Scientist | Real-time Prediction | USN-4 | As a user, I can classify butterfly species instantly using my phone camera. | Live classification appears on screen with a bounding box (optional). | High | Sprint-2 |
| Admin | Dataset Management | USN-5 | As an admin, I can upload new butterfly images and label them. | The system updates the training dataset and confirms successful upload. | Medium | Sprint-3 |
| Student/Researcher | History/Logs | USN-6 | As a user, I can see my past in a history log. | I can view image thumbnails with predicted labels. | Low | Sprint-3 |