

## Project Design Phase-II

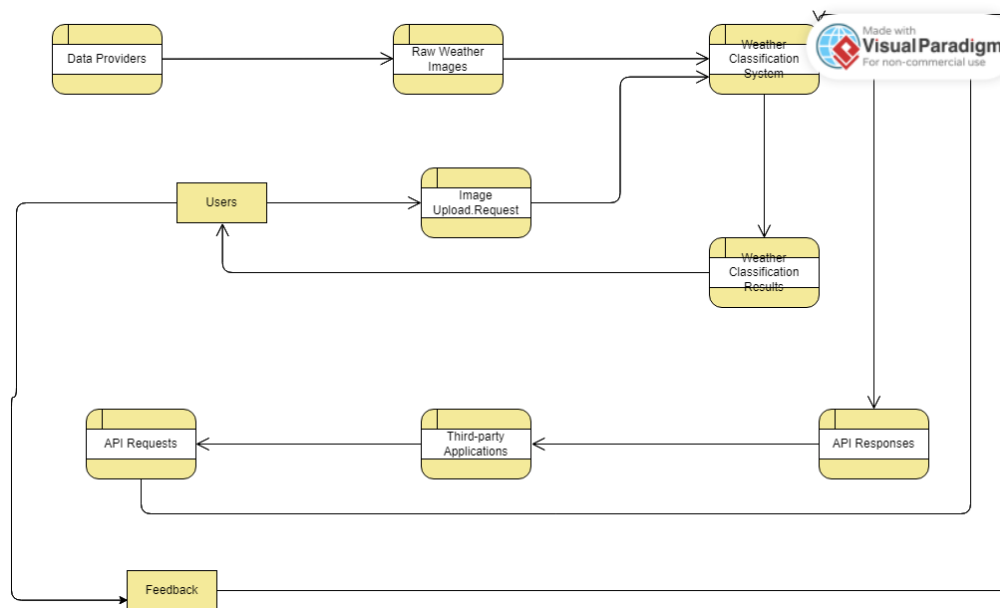
### Data Flow Diagram & User Stories

Date	23 October 2023
Team ID	Team-591965
Project Name	Weather Classification Using Deep Learning
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.

#### Data Flow Diagram (Level 0)



## 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
User (Meteorologist)	Image Upload	USN-1	As a user, I can upload a weather image to the system.	The image is successfully uploaded and ready for analysis.	High	Sprint-1
User (Meteorologist)	Weather Classification	USN-2	As a user, after uploading, I want to get the weather classification of the image.	The system provides accurate weather type classification (e.g., Cloudy, Shine, Rain, etc.).	High	Sprint-1
User (General Public)	View Weather Types	USN-3	As a user, I can view different weather classifications on the dashboard.	I can see a list or grid of weather classifications with representative images.	Medium	Sprint-2
User (General Public)	Feedback	USN-4	As a user, I can provide feedback if the classification seems incorrect.	The system acknowledges my feedback for further model refinement.	Medium	Sprint-2
Third-party Developer	API Access	USN-5	As a third-party developer, I can access the weather classification via an API.	I can send an image and receive a classification response.	High	Sprint-1

Administrator	System Monitoring	USN-6	As an administrator, I can monitor the number of images processed and the feedback received.	I can view analytics and feedback data on an admin dashboard.	High	Sprint-1
Administrator	User Management	USN-7	As an administrator, I can manage user roles and access.	I can add, modify, or remove user roles and permissions.	Medium	Sprint-2