Project Design Phase-II
Data Flow Diagram & User Stories

Date	11 May 2023
Team ID	NM2023TMID05747
Project Name	Automated Weather Classification Using Transfer Learning

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:
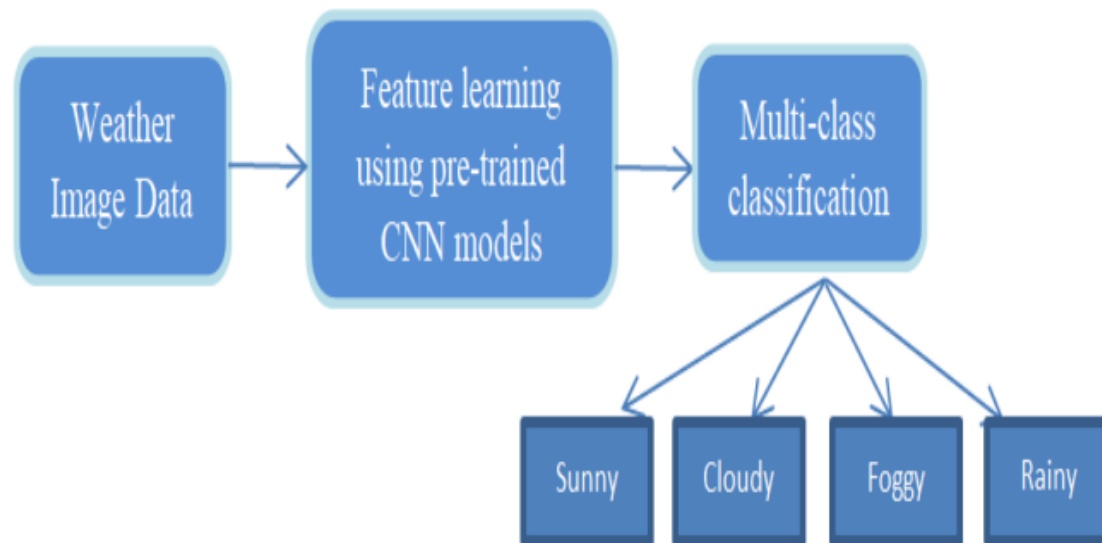
User Stories

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	Team Member
Weather Analyst	Weather Classification	USN-1	The system should be able to classify weather conditions based on input data using transfer learning.	The classification results in a clear and understandable format	High	ArjunYuvanesh
Our-door event organizer		USN-2	As an outdoor event organizer, I want to be able to predict weather conditions for my upcoming event so that I can make informed decisions about scheduling, venue setup, and other logistical considerations.	Available in all the time	High	Revanthramesh
Emergency Management Team		USN-3	I want to be able to identify potential natural disasters before they occur so that we can take appropriate action to mitigate the risks and protect the public.so the system should be able to classify weather conditions based on input image.	Performance and accuracy	High	Dhanuskar
Agricultural Scientist		USN-4	As an agricultural scientist, I want to be able to predict weather patterns and their impact on crops so that I can optimize crop yield and minimize losses due to weather-related factors.	Efficient Classification	High	Sachin
Web user	User Friendly	USN-5	I can easily access the application using my web browsers in all devices.	User Friendly	Medium	Rajapandian
Mobile User	Easy Access	USN-6	I can access the service using a mobile application	Easy Access	Low	Sachin
Administrator	Update and monitoring	USN-7	I can update a model and monitor its performance.	Monitoring and enhancement	Medium	Dhanuskar