Data Flow Diagram & User Stories

Date	14 November 2023
Team ID	Team-591954
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.
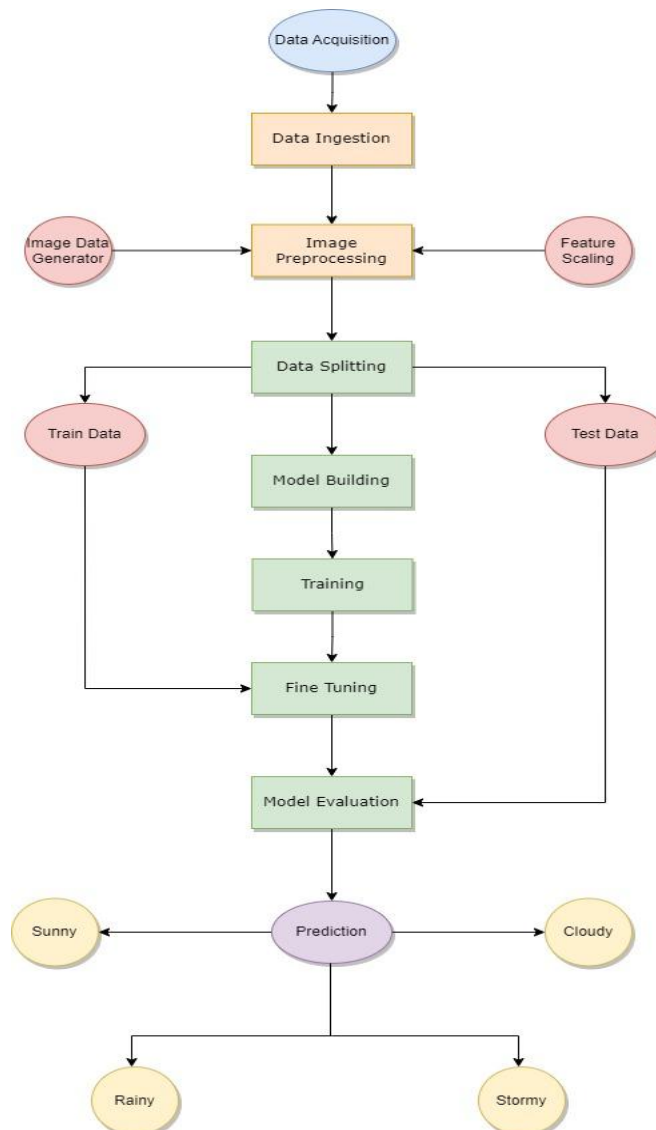
User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
User	Data Collection	USN-1	I want the option to contribute localized weather	Collecting local weather data to train the model	High	Sprint-1
Data Scientist	Data Preprocessing	USN-2	I want the ability to preprocess and clean the raw weather data to ensure consistency	Using Image preprocessing Techniques	Medium	Sprint-2
System Administrator	Training Model	USN-3	I want the deep learning model is trained on the most recent and accurate weather	The model should support retraining using new labeled data.	High	Sprint-3
Disaster Response Coordinator	Prediction	USN-4	I want the system to be able to detect and predict extreme weather conditions	The Model should accurately detect extreme weather	High	Sprint-5
Tourist	User Interface	USN-5	I want the weather app to provide user-friendly and understandable weather predictions for my destination	The application should allow me to input the destination weather Image	Medium	Sprint-6