

Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID36050
Project Name	Project - Exploratory Analysis of RainFall Data in India for Agriculture
Maximum Marks	4 Marks

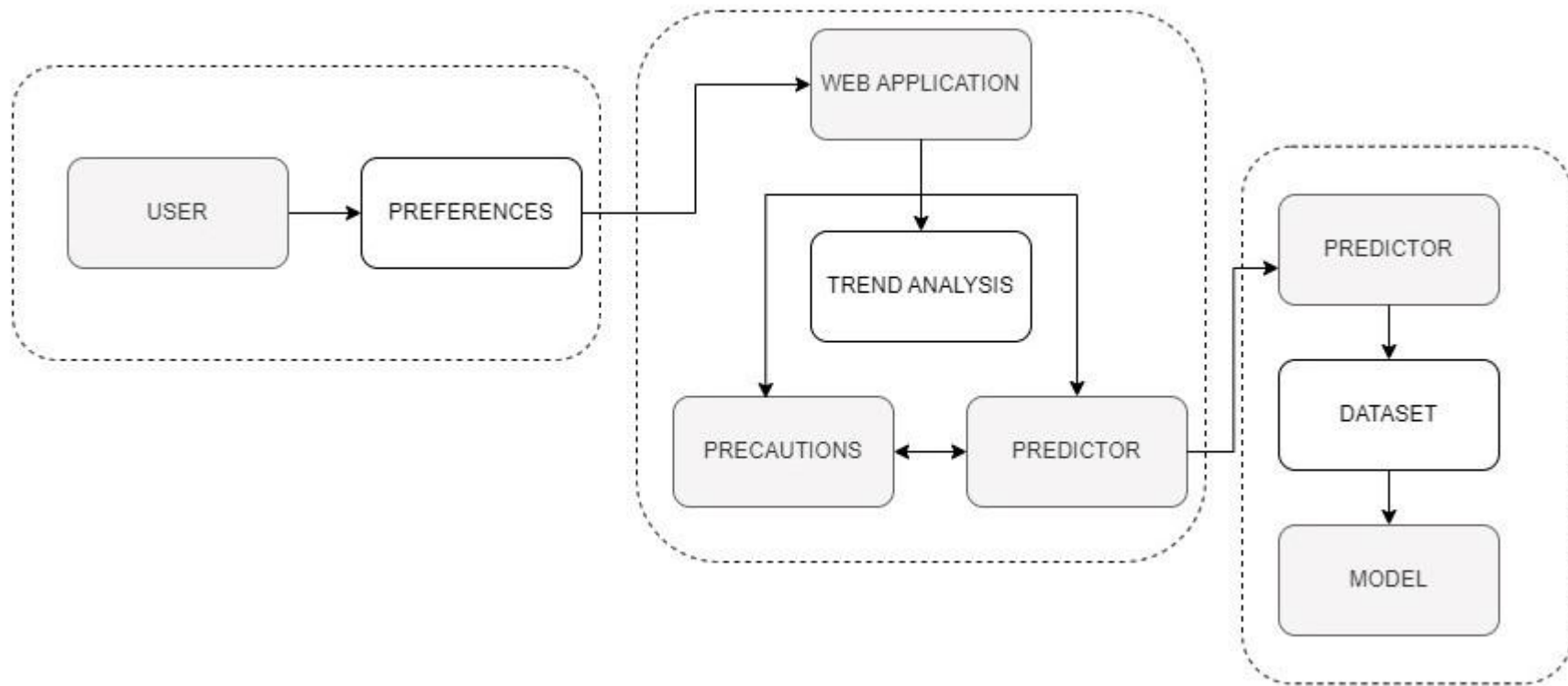
Data Flow Diagrams:

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.

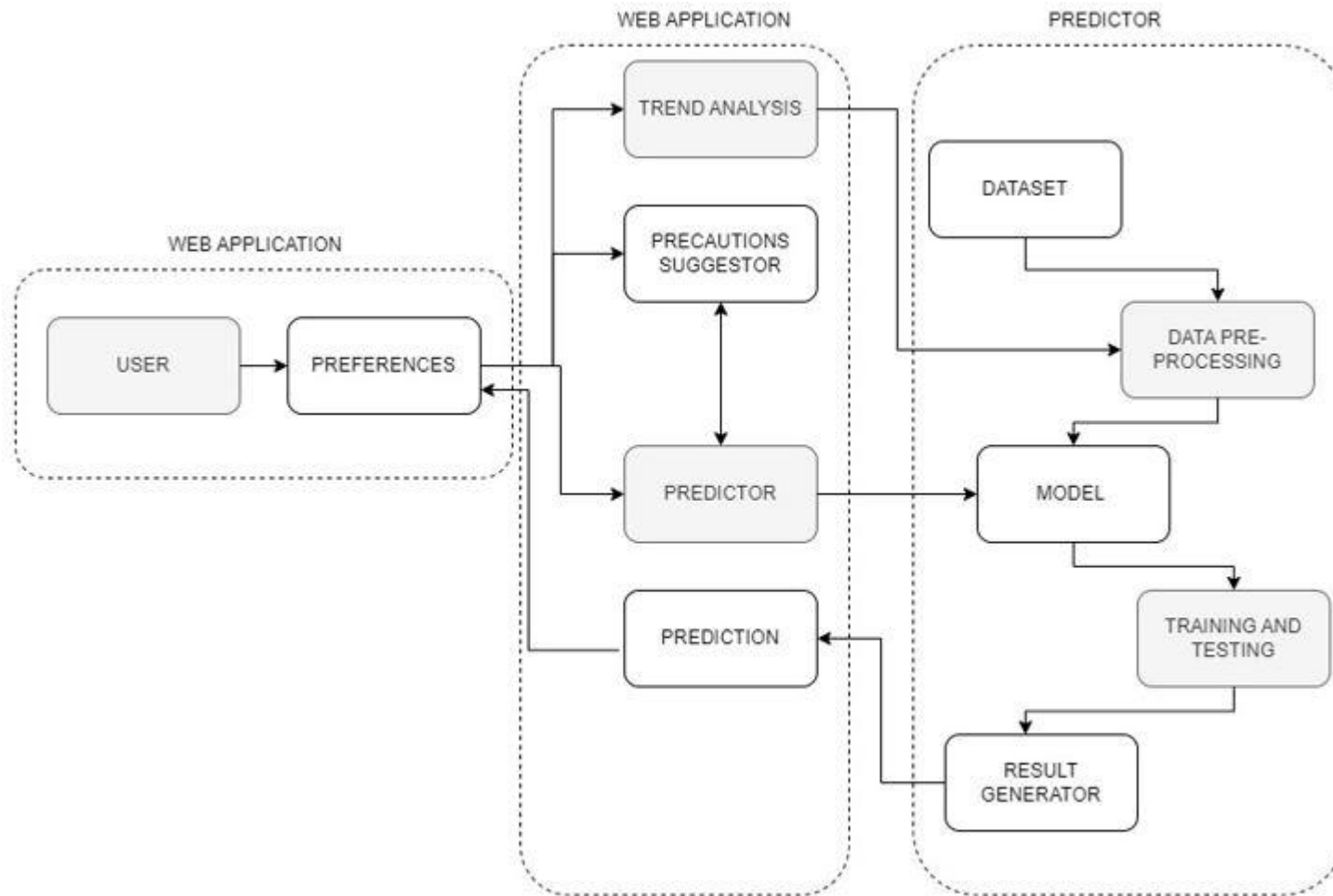
0- LEVEL DATA FLOW DIAGRAM:



1- LEVEL DATA FLOW DIAGRAM:



2- LEVEL DATA FLOW DIAGRAM:



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
Customer	Trend Analysis	USN-1	I should get a brief analysis of the past trends to enable better analysis.	I get a table of past records.	High	Sprint-1
		USN-2	If I enter a given area, the respective rainfall records of the previous 1 month or so should get displayed.	I get a table of past rainfall in the given area	Medium	Sprint-1
	Precaution Suggestion	USN-1	I should be advised with precautions to protect my crops better.	A list of precautions are needed	High	Sprint-2
		USN-2	According to the difficulty I face the precautions need to be suggested	A list of precautions are displayed	Medium	Sprint-1
	Prediction	USN-1	As a user, I expect accurate prediction of the rainfall for my benefit	The predicted percentage is returned.	High	Sprint-1
		USN-2	The prediction should actually help me protect my crops on time	The prediction should be fast	High	Sprint-2
	Prediction Reports	USN-1	The past accuracy of the predictions should be displayed in a brief manner	The report should be in the form of a table	High	Sprint-1
		USN-2	The prediction report should be precise	The report should be concise.	Medium	Sprint-1
	Creation of models	USN-1	The model should be fast, lesser epochs should give better accuracy	More efficient model	High	Sprint-2
		USN-2	The model should be detailed and testing should be done properly to remove minute bugs.	Testing phase should be implemented properly	Medium	Sprint-2