

Project Design Phase-II

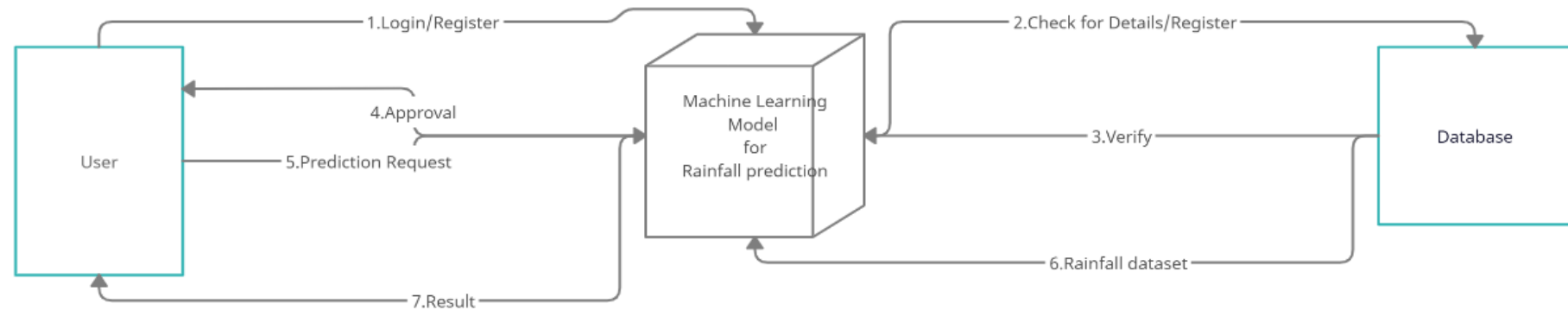
Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	PNT2022TMID37532
Project Name	Project – EXPLORATORY ANALYSIS OF RAINFALL DATA IN INDIA FOR AGRICULTURE.
Maximum Marks	4 Marks

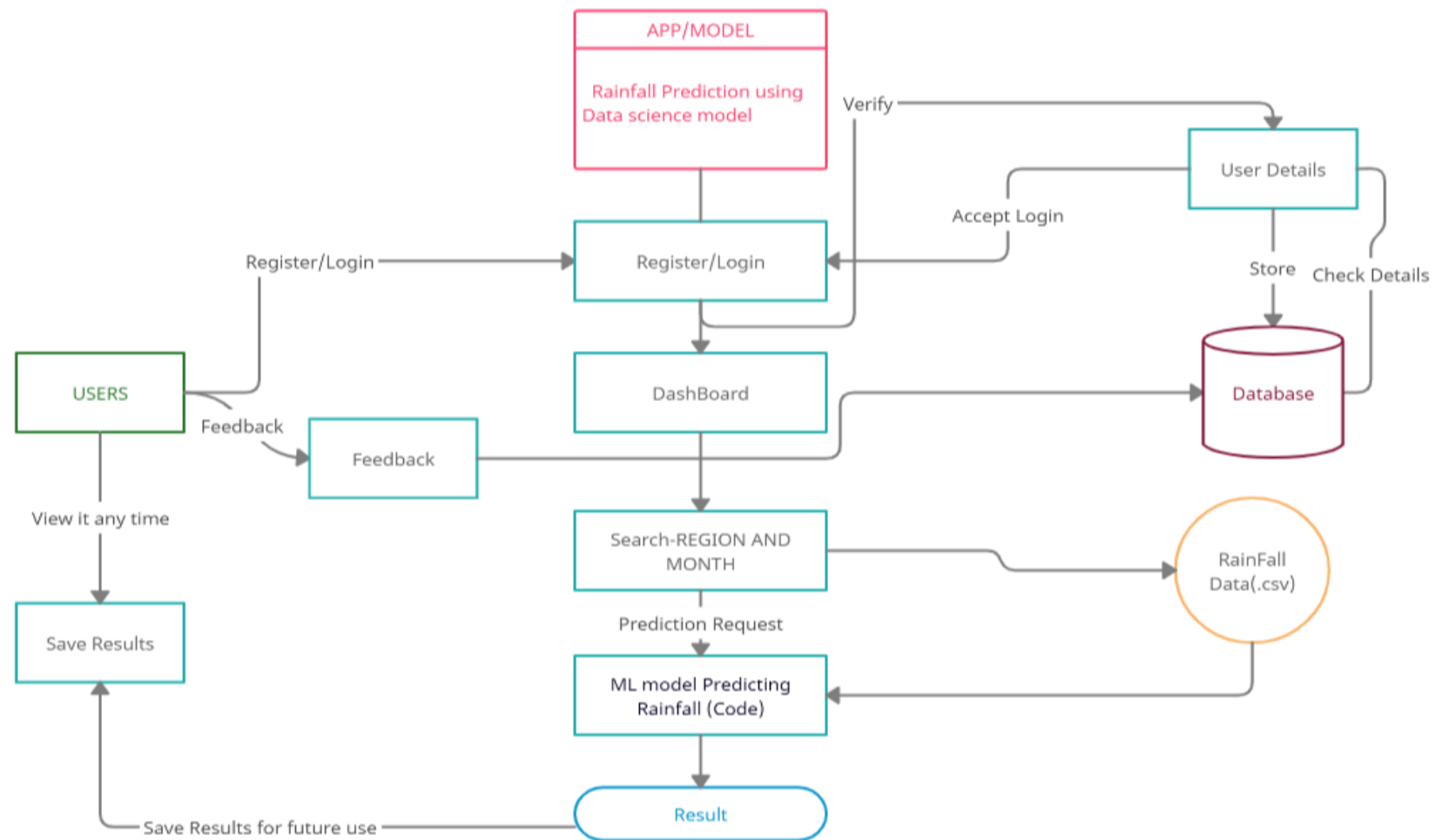
Data Flow Diagrams:

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:



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 (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-2
	Login	USN-3	As a user, I can log into the application through my registered email and password.	I can access the dashboard of the system.	High	Sprint-1
		USN-4	User can change their password and can view their search history.	Verification is required and new password should be entered.	High	Sprint-1
		USN-5	The existing credentials should be used for login or multiple systems.		Medium	Sprint-1
	Dashboard	USN-6	As a user , I can view the details about the page and navigate through the entire pages.	I can navigate through the pages.	Medium	Sprint-1
	Prediction	USN-7	User can search for the area / place where the user wants to know the prediction of rainfall .	Searching for the region within INDIA only be accepted.	High	Sprint-1
		USN-8	The prediction or analysis for the desired region for the future or past events respectively.		High	Sprint-1
		USN-9	User can see the visualization of the rainfall data for the specific region in INDIA for a specified time period.		High	Sprint-1
	News	USN-10	User can view the latest news articles related to agriculture.	I can view the news articles.	Medium	Sprint-2
Customer care executive	Support	USN-11	User can ask queries about the system.	I can rectify my doubts	High	Sprint-3
		USN-12	The team must analyse all the queries and debug it in the next update.		High	Sprint-3
		USN-13	Organize for a FAQ session.		Low	Sprint-3

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Core development team	Core function	USN-14	Design and develop the application in such a way that the best user interface and maintenance should be taken care of .		High	Sprint-1
		USN-15	The website is responsive on all the devices and the screen sizes.	User experience should be good irrespective of the devices or platforms.	High	Sprint-1
		USN-16	The updates should be on time with the solution of the raised queries	The existing functionalities should not affected by the update.	High	Sprint-1