Project Design Phase-II
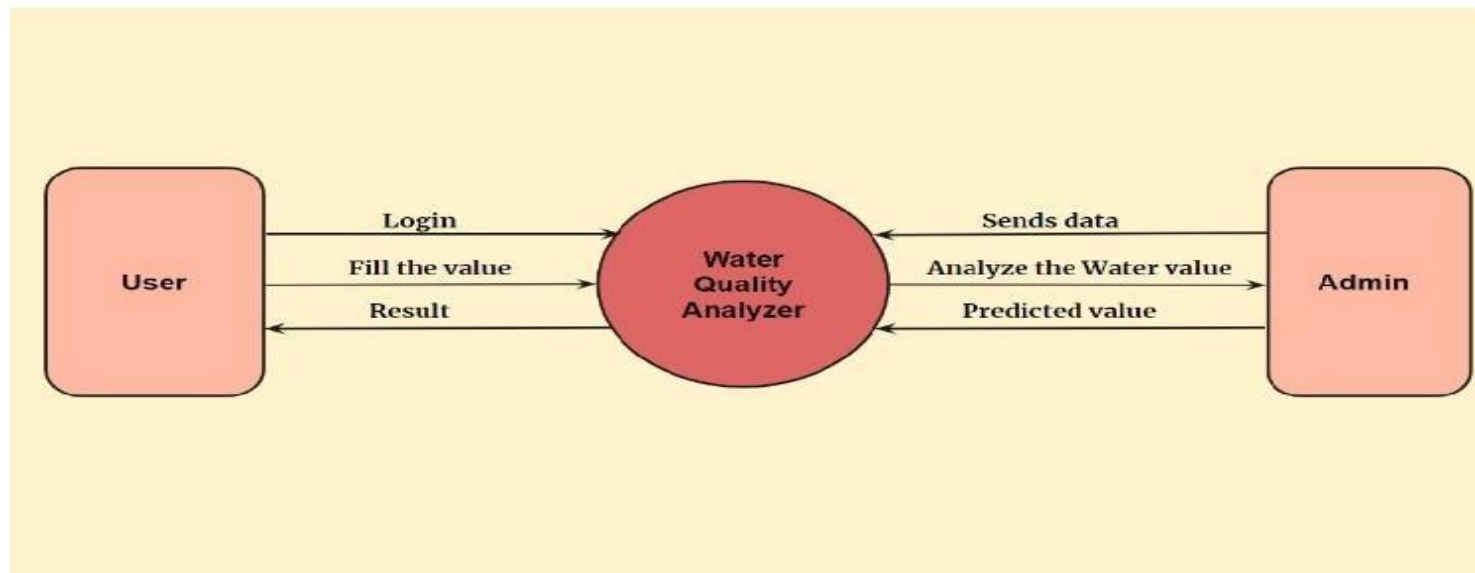## Data Flow Diagram & User Stories

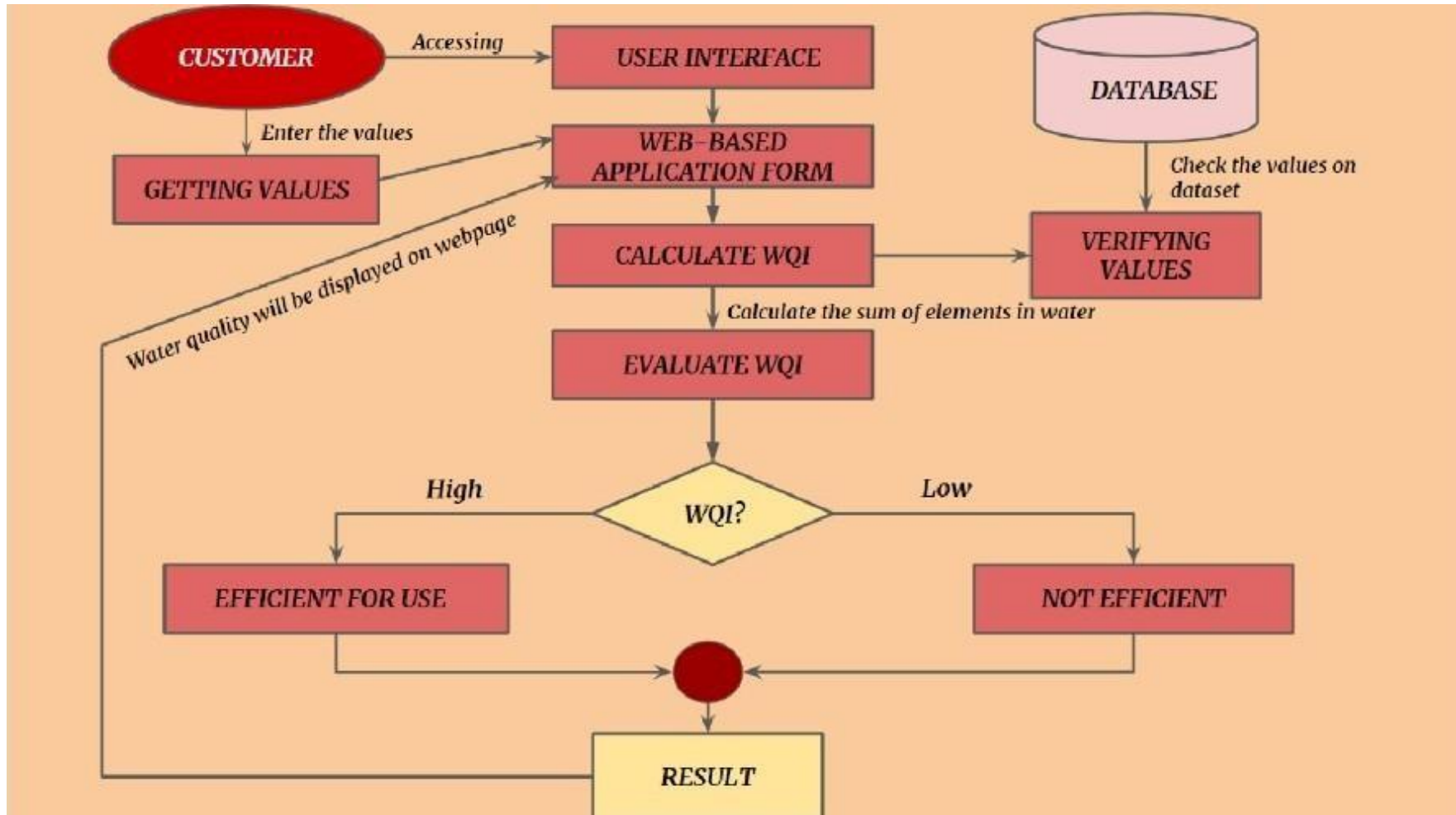| Date	14 October 2022
Team ID	PNT2022TMID21280
Project Name	Project - Efficient water quality analysis and prediction using machine learning
Maximum Marks	4 Marks

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.

Example: DFD Level 0 (Industry Standard)

Example: (Simplified)

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 (Web user)	Access web page	USN-1	As a user, anyone can access the web page to check the water quality.	I can access my webpage online at any time.	High	Sprint-1
Customer	Usage of water	USN-2	As per the usage of the user the quality of water should be predicted in an easy way.	Prediction can be done in an easy way.	High	Sprint-2
Customer	Accuracy of water	USN-3	Using a prediction model the user will know the quality of water on a daily basis.	The quality analysis of water will be accurate.	High	Sprint-3
Administrator	Manage the web page	USN-4	As admin, I can manage user details and update parameters essential for prediction.	Make changes on user interface(UI).	High	Sprint-3
Administrator	Calculation of WQI	USN-5	An admin can update the calculations for water quality index calculation.	Improves the accuracy of the calculation.	High	Sprint-3