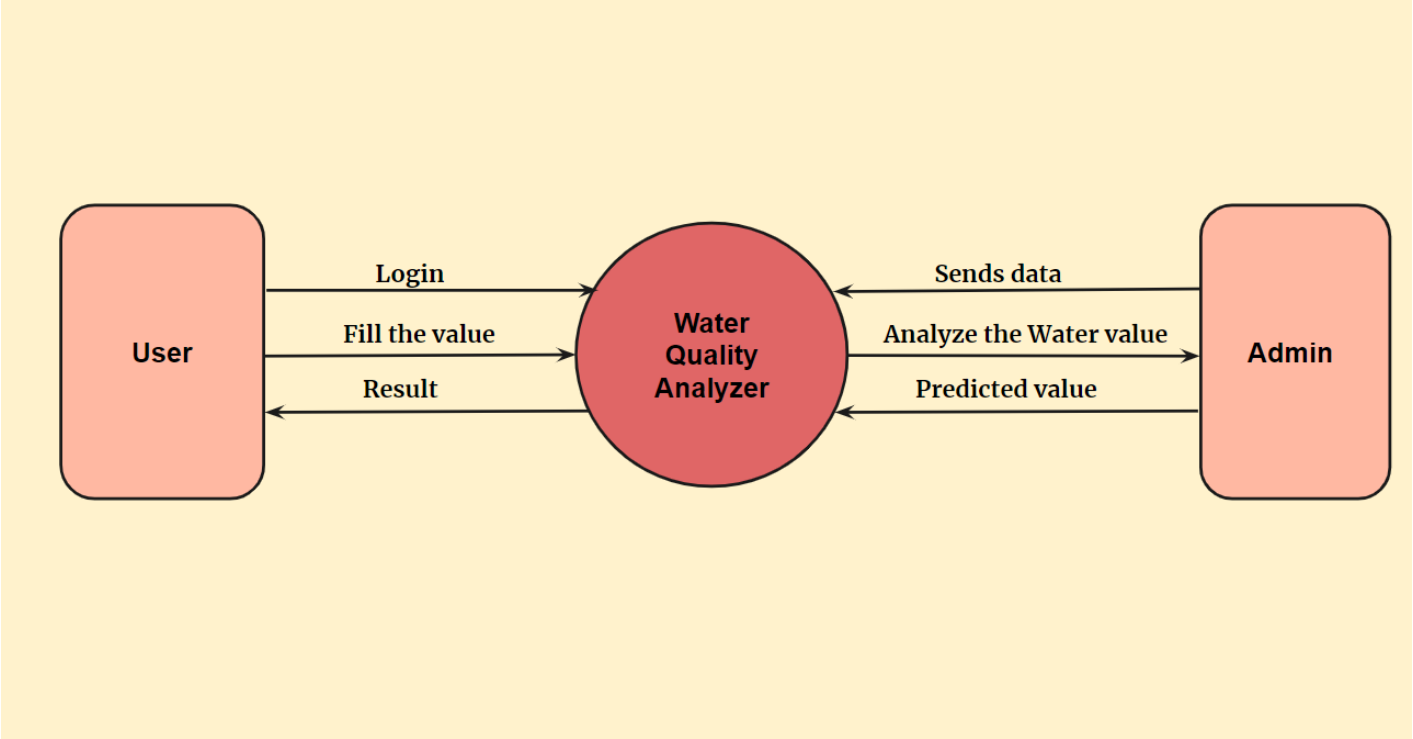
Project Design Phase-II
Data Flow Diagram & User Stories

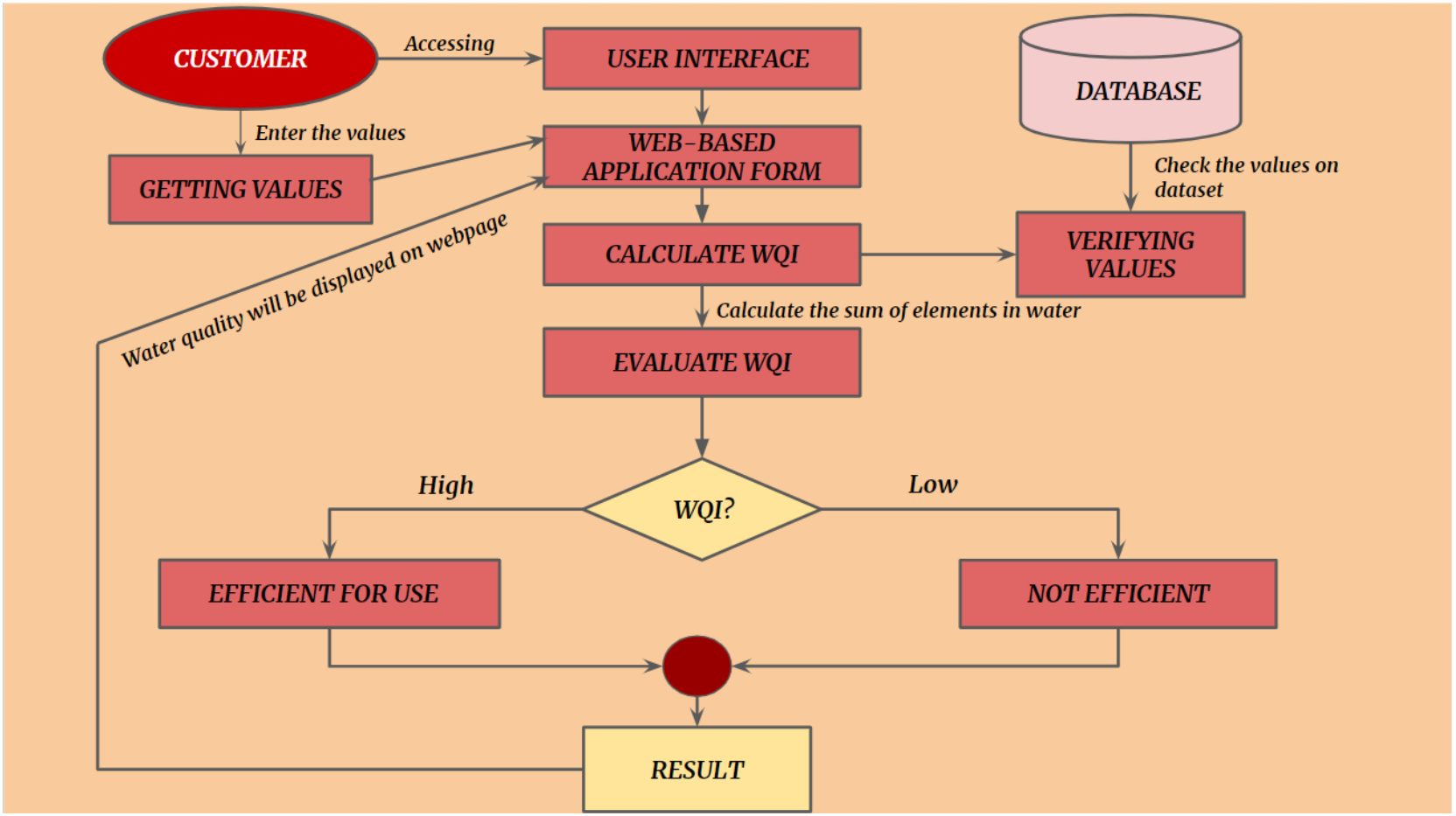
Date	03 October 2022
Team ID	PNT2022TMID50914
Project Name	Efficient water quality analysis and prediction using machine learning
Maximum Marks	4 Marks

Data Flow Diagrams:

DFD LEVEL 0



Data Flow Diagrams: DFD LEVEL 1



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 through online at any time	High	Sprint-1
Customer	Usage of water	USN-2	As per the usage of user, the quality of water should be predicted in easy way.	Prediction can be done in easy way	High	Sprint-2
Customer	Accuracy of water	USN-3	By using the 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 an admin, he/she 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	As an admin, he/she can update the calculations for water quality index calculation	Improves the accuracy of the calculation	High	Sprint-3