Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID08775
Project Name	Project- EFFICIENT WATER QUALITY ANALYSIS & 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.

```
                          User


                    Enter the required
                         values

                   Calculate the WQI based
                   on the provided values




below                                        Equal or above

                      Threshold value


Efficient to consume                         Not Efficient to

                                             consume




                         Result
```
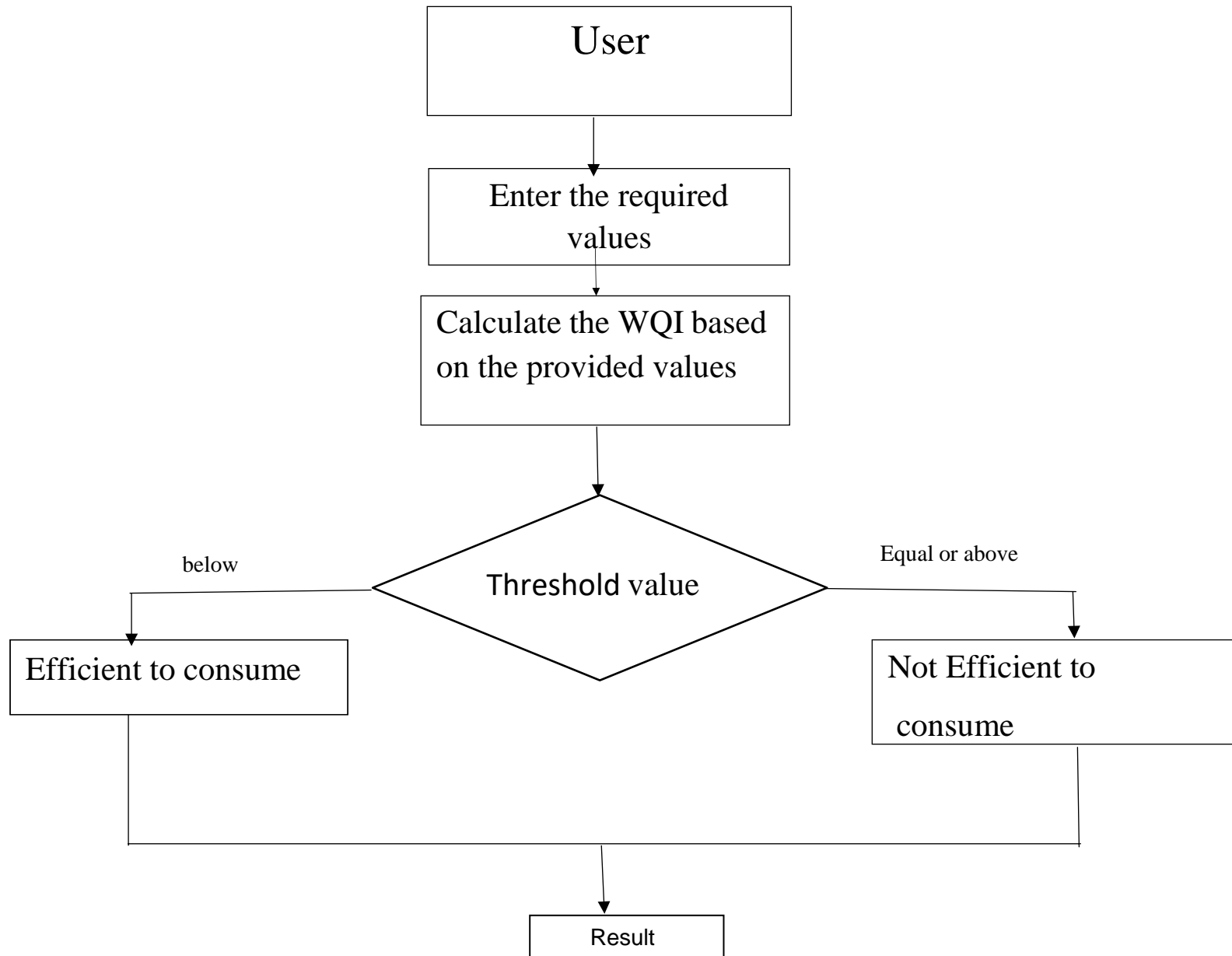
User Stories

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)	Registration	USN-1	As a user, I can register by providing the asked information	I can register in the webpage.	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered.	I can receive confirmation email & click confirm	High	Sprint-1
	Login	USN-3	As a user, I can log into the application by entering email & password	I can access the dashboard	High	Sprint-1
	Dashboard	USN-4	As a user, I will provide the values to calculate WQI	For accurately calculating providing the parameter	High	Sprint-1
		USN-5	At last I will get the result	Knowing if it is fit for consumption	High	Sprint-2
Administrator	Database	USN-6	As an admin, I have the user details	Access to user details	High	Sprint-1
	Dashboard	USN-7	As an admin, I can decide the parameter required for the calculation of WQI	For calculating accurately	High	Sprint-1
	Prediction	USN-8	As an admin, based on the given values by the user I will provide the information whether the water is fit for consumption or not	Providing result to user	High	Sprint-2