TESTCASES REPORT

Date	3-Nov-22
Team ID	PNT2022TMID54402
Project Name	Efficient Water Quality Analysis & Prediction using Machine Learning
Maximum Marks	4 marks

Test case ID	Feature Type	Component	Test Scenario	Steps To Execute	Test Data	Expected Result	Actual Result	Status
Home Page_TC_OO1	Functional	Home Page	Verify the user can access the website's dashboard.	1.In order to guarantee that users may get information regarding water quality by clicking the button 2.Click the prediction button to check the accuracy. a.Info button b. Predict button	_	The buttons and Home should be visible.	Working as expected	Pass
Prediction Page_TC_OO5	UI	prediction page	Verify the user can see the prediction and description buttons.	1. Enter URL and click go 2. Click on the prediction button 3. Enter dissolved Oxygen, pH, BOD and conductivity in the text box. Enter nitratenon and give the total coliform to predict the level. 4. Click on predict button.	_	The application should accurately anticipate the water level, and the user should check the quality by using the provided parameter table.	Working as expected	Pass
Prediction Page_TC_OO5	Functional	prediction page	Verify the user can forecast by given letters	1. Enter URL and click go 2. Click on the predict button 3. Enter dissolved oxygen, pH, BOD, conductivity, nitratenon in the textbox as a letter 4. Click on predict button	_	The user input the letter should prevent the application from showing any value.	Working as expected	Pass
Prediction Page_TC_OO5	Functional	prediction page	Verify the parameter table is as follows.	1. Parameters should be displayed by the result of water quality. 2. The displayed range should be shown in table.	_	The application should display the range of the outcome foreseen by the website.	Working as expected	Pass

Prediction Page_TC_OO5	Functional	prediction page	Verify the user may leave any field blank.	1. Enter URL and click go. 2. Click on the predict button. 3. Enter dissolved oxygen, pH, BOD, conductivity, nitratenon in the textbox. 4. Leave nitratenon field empty 5. Click on the predict button	_	Application shouldn't display any data since a field was left empty by the user.	Working as expected	Pass

TEST SCENARIOS

1. Verify that the user can view the home page.

2. Check whether the user can forecast the WQI or not.

3. Check the user's ability to enter data into the input area.

4. Check the aspects of the prediction.

5. Check to see whether the user can type any text in the input field?

6. Check if the user can view the predicted value and the outcome?