Test case ID	Feature Type	Component	Test Scenario
HomePage_TC_OO1	UI	Home Page	Verify user is able to see the home page when user clicked on submit button
HomePage_TC_OO2	Functional	Home Page	Verify the UI elements in home page
Prediction_TC_OO3	Functional	Home page	Verify whether the model is giving correct output
Prediction_TC_OO4	Functional	Home page	Verify whether the model is giving correct output

Popup_TC_OO4	non functional	Home page	Verify if the browser gives popup as "empty field" if some values are left empty and predicted
RedirectLinks_TC_O O5	Functional	Home page	Verify if it is redirecting to respective URL if clicked on "PREDICT"

Date	10-Nov-22	
Team ID	PNT2022TMID53347	
Project Name	Project - Efficient water quality anal	
Maximum Marks	4 marks	
Pre-Requisite	Steps To Execute	Test Data
		http://127.0.0.1:5000/predict
	1. Enter URL and click go.2. Verify hardnes, turbidity.3. Want to check whether water is safe or not for consumption? click submit button	http://127.0.0.1:5000/predict
	1.Enter URL (http://127.0.0.1:5000/predict) and click go 2. Enter the values 3. Enter Valid values for respected parameters to check whether the "water is safe for consumption" 4. Fill in all values 5. Click on predict button	pH value:8 hardness:323 solids:2240 chloramine:13 sulfate:1 conductivity:323 organic_compound:13 trihalomethane:56 turbity:6
	1.Enter URL (http://127.0.0.1:5000/predict) and click go 2.Enter the values 3.Enter Valid values for respected parameters to check whether the "water is not safe for consumption" 4. Fill in all values 5.Click on predict button	pH value:1 hardness:323 solids:2 chloramine:8 sulfate:5 conductivity:753 organic_compound:4 trihalomethane:100 turbity:4

1.Enter URL	pH value: "empty"
(http://127.0.0.1:5000/predict)	hardness:323 solids:2
and click go	chloramine:8 sulfate:5
2.Enter the values	conductivity:753
3.Enter Valid values	organic_compound:4
4.leave some values empty	trihalomethane:100 turbity:4
5.Click on submit button	
S.Chek on Submit bucton	
1.Enter URL	
(http://127.0.0.1:5000/predict)	
and click go	
I.	1

Expected Result	Actual Result	Status	Commnets
home page and empty field pop should display (if any) should display	Working as expected	Pass	
Application should show below UI elements: a.home page b.Email for queries c.values for prediction d.submit button for prediction e.output statement "whether the water is safe or not"	Working as expected	Pass	Steps are not clear to follow
should display "water is safe for consumption"	correct result	pass	
should display "water is not safe for consumption"	correct results	pass	

	<u> </u>		
Application should show 'empty field 'pop up message.	popup shown	pass	
Application should redierct the brower to email or github webpage respectively	redirected successfully	pass	

TC for Automation(Y/N)	BUG ID	Executed By
		KEERTHIRAJAN S
	BUG- 0123	KEERTHIRAJAN S

2 3

2

Test Scenarios

Verify user is able to see go to home page
Verify user is able to see home page's UI
Verify user is able to output statement
Verify user is get his correct output or not?
Veriify whether the user gets popup if some textboxes are left empty

Prediction

Verify user is able to get "water is safe for consumption" for entered values Verify user is able to get "water is not safe for consumption" for entered values Verify the user is notified if some values are not given