Testing report

For the Web-Based Application for Water quality monitoring of the Pomperaug river – Version 1.0

Authors

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This report indicates the test set applied to version 1.0 of the water (quality monitoring of the Pomperaug river) system.

The report defines for each test case of the test set:

- The date of test execution.
- The set of inputs given to the system.
- The initial state of the system at the time of the test case execution.
- The expected output.
- The actual output.
- Whether the test has been successful or not.

The following tables are the report of each test case of the set.

Reference use case identifier	Test case			Expected output	Actual output	Successful	Not Successful
UC1 **Signup**	TC1	**Date of test execution**	8/6/2022				
		Inputs	Username				
			Email				
			password				
		Initial state of the system at the time of the test case execution	The inserted username already exists in database.	The system informs the user that the username is already exists. Try another one.	The system informs the user that the username is already exists. Try another one.	yes	-
			The inserted email already exists in database.	The system informs the user that the email already exists.	The system informs the user that the email already exists.	yes	-
			User forgot to fill one or more required fields.	The system informs the user to fill out this field.	The system informs the user to fill out this field.	yes	-

Reference use case identifier	Test case				Expected output	Actual output	Successful	Not Successful
UC2 **Login**	TC2	**Date of test execution**	8/6/2022					
		Inputs	Username					
			password					
		Initial state of the system at the time of the test case execution			**Expected output**	**Actual output**	**Successful**	**Not Successful**
			User forgot to fill one or more required information.	The system informs the user to fill out this field.	The system informs the user to fill out this field.	yes	-
			The inserted username and password already exist in database.	The system redirects the user to home page.	The system redirects the user to home page.	yes	-
			The inserted username does not exist in database.	The system informs the user that username is incorrect.	The system informs the user that username is incorrect.	yes	-
			The inserted password does not exist in database.	The system informs the user that the password is incorrect.	The system informs the user that the password is incorrect.	yes	-

Reference use case identifier	Test case			Expected output	Actual output	Successful	Not Successful
UC4 **Contact**	TC4	**Date of test execution**	8/6/2022				
		Inputs	name				
			email				
			subject				
			message				
		Initial state of the system at the time of the test case execution	User inserted a wrong email.	The system inform the user to register first to send message.	The system inform the user to register first to send message.	yes	-
			User has already wrote a message and it is in the database	The system informs the user that you already send your message.	The system informs the user that you already send your message.	yes	-
			User inserted their message.	The system displays a message to thank the user for contacting	The system informs the user that Thank you! Your message sent successfully. We will respond as soon as possible.	yes	-

Reference use case identifier	Test case			Expected output	Actual output	Successful	Not Successful
UC5 **logout**	TC5	**Date of test execution**	8/6/2022				
		Inputs	The user access home page				
		Initial state of the system at the time of the test case execution	User access home page as a guest.	The system shows (login/Register) button in the home page.	The system shows (login/Register) button in the home page.	yes	-
			User access home after logging in.	The system shows (welcome + username) and logout button in the home page.	The system shows (welcome + username) and logout button in the home page.	yes	-