

## Exploratory testing report

Tested URL: <https://qainterview.pythonanywhere.com/>

Date: 2025-05-15

Tester: Eigilè

Testing type: Exploratory testing

Test purpose: To evaluate the page functionality, usability and robustness by identifying both expected behaviour and potential defects

Used browser: Chrome (Version 136.0.7103.93)

Operating system: macOS (Version 15.3.2)

### Summary of results

Number of test cases: 9

Passed tests: 5

Failed tests: 4

### Test cases

Test Case ID	Test description	Input	Expected Result	Actual Result	Status
Test_01	Calculate factorial of 1	1	Calculate 1 (correct factorial of 1)	As expected	Pass
Test_02	Calculate factorial of 10	10	Calculate 3628800 (correct factorial of 10)	As expected	Pass
Test_03	Calculate factorial of -10	-10	Display error message "Please enter positive number"	No response, no error message displayed	Fail
Test_04	Calculate factorial of 0	0	Calculate 1 (correct factorial of 0)	As expected	Pass
Test_05	Calculate factorial of 1000	1000	Calculate correct factorial of 1000 or display error message "Please enter an integer less than x"	No response, no error message displayed	Fail
Test_06	Calculate factorial of "abc" (non-integer value)	abc	Display error message "Please enter an integer"	Display error message "Please enter an integer"	Pass
Test_07	Not enter an integer and click "Calculate"		Display error message "Please enter an integer"	Display error message "Please enter an integer"	Pass
Test_08	Select "Privacy" hyperlink		Navigate to Privacy page	Navigate to Terms page	Fail
Test_09	Open URL and check browser tab title		Browser tab title is "Factorial" or "Factorial calculator"	Browser tab title is "Factorial"	Fail

## **Recommendations**

- Display a clear error message, when the user enters negative integers
- Inform the user about maximum integer and display an error message when integer exceeds the limits
- Check hyperlinks and navigate to correct pages
- Change browser tab title to “Factorial” or “Factorial calculator”

## **Summary**

The main function of the page works – factorials are calculated, but informative messages need to be added when excessive values or negative values are entered. Also, the hyperlink does not navigate to the correct page and browser tab title has a spelling mistake.