Application task for Iute

Exploratory testing of <https://qainterview.pythonanywhere.com/>

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1. Visual website overview. Misspellings
2. Clicking active links and back

* About link
* Terms and Conditions
* Privacy
* 0x12 Services

1. Enter different values to text input field

* Empty space: “ “
* Zero “0”
* One “1”
* Five “5”
* Empty space and four “ 4”
* One space Four “1 4”
* Two point One “2.1”
* Two comma One “2,1”
* Big number “444”
* Big number “55555”
* Negative value “-4”
* Plus five “+5”
* Text “ABC”
* Number and text “3c”

1. Security checks with JS, CSS, SQL & PHP

* <script>alert('XSS');</script>
* <style>body{background-color:red;}</style>
* ' OR '1'='1
* <?php echo 'test'; ?>

The purpose of testing is to identify errors in user interface (UI).

If the test passes according to the test case, but the actual result is not as expected, the reasons may be:

* mismatch in input data
* flaw in user interface

**Bug reports**

**FT-001**

| **Bug** | Page title is misspelled |
| --- | --- |
| **Description** | There are two l’s in page title instead of one |
| **Environment** | Windows 10  Firefox browser v. 119.0.1 (64-bit) |
| **Steps to reproduce** | * Open webpage <https://qainterview.pythonanywhere.com/> * Locate title of the page on browser tab |
| **Expected result** | Title of the page is spelled with one l as - **Factorial** |
| **Actual result** | Title of the page is spelled with two ll’s - **Factoriall** |
| **Priority** | Low |
| **Additional info** | Screenshot: |

**FT-002**

| **Bug** | Wrong link for ‘Terms and Conditions’ |
| --- | --- |
| **Description** | ‘**Terms and Conditions**’ link directs to **‘Privacy’** : https://qainterview.pythonanywhere.com/privacy |
| **Environment** | Windows 10  Firefox browser v. 119.0.1 (64-bit) |
| **Steps to reproduce** | * Open webpage <https://qainterview.pythonanywhere.com/> * Locate ‘Terms and Conditions’ * Click on the link |
| **Expected result** | ‘Terms and Condition’ page will open: <https://qainterview.pythonanywhere.com/terms> |
| **Actual result** | ‘Privacy’ page will open:  <https://qainterview.pythonanywhere.com/privacy> |
| **Priority** | Medium |
| **Additional info** | Bug related to bug report **FT-003** |

**FT-003**

| **Bug** | Wrong link for ‘Privacy’ |
| --- | --- |
| **Description** | ‘**Privacy**’ link directs to **‘Terms and Conditions’** : https://qainterview.pythonanywhere.com/privacy |
| **Environment** | Windows 10  Firefox browser v. 119.0.1 (64-bit) |
| **Steps to reproduce** | * Open webpage <https://qainterview.pythonanywhere.com/> * Locate ‘Privacy’ * Click on the link |
| **Expected result** | ‘Privacy’ page will open:  <https://qainterview.pythonanywhere.com/privacy> |
| **Actual result** | ‘Terms and Condition’ page will open: <https://qainterview.pythonanywhere.com/terms> |
| **Priority** | Medium |
| **Additional info** | Bug related to bug report **FT-002** |

**FT-004**

| **Bug** | Misleading result for bigger number - 444 |
| --- | --- |
| **Description** | When entering number **‘444’** into input field and clicking ‘Calculate!’ result will be **‘infinity’** but this will not correspond to actual result |
| **Environment** | Windows 10  Firefox browser v. 119.0.1 (64-bit) |
| **Steps to reproduce** | * Open webpage <https://qainterview.pythonanywhere.com/> * Locate input field and enter value: **444** * Click on **‘Calculate**!’ |
| **Expected result** | **‘The factorial of 444 is: too big number for this calculator’** or something similar |
| **Actual result** | **‘The factorial of 444 is: Infinity’** will be displayed |
| **Priority** | Low |
| **Additional info** |  |

**FT-005**

| **Bug** | No response on big numbers like 55555 |
| --- | --- |
| **Description** | When entering number **‘55555’** into input field and clicking ‘Calculate!’ there will be no response |
| **Environment** | Windows 10  Firefox browser v. 119.0.1 (64-bit) |
| **Steps to reproduce** | * Open webpage <https://qainterview.pythonanywhere.com/> * Locate input field and enter value: **55555** * Click on **‘Calculate**!’ |
| **Expected result** | **‘The factorial of 55555 is: too big number for this calculator’** or something similar |
| **Actual result** | No response |
| **Priority** | Medium |
| **Additional info** |  |

**FT-006**

| **Bug** | No response on negative inputs like ‘-4’ |
| --- | --- |
| **Description** | When entering number **‘-4’** into input field and clicking ‘Calculate!’ there will be no response |
| **Environment** | Windows 10  Firefox browser v. 119.0.1 (64-bit) |
| **Steps to reproduce** | * Open webpage <https://qainterview.pythonanywhere.com/> * Locate input field and enter value: **-4** * Click on **‘Calculate**!’ |
| **Expected result** | **‘Please enter positive integer’** or something similar |
| **Actual result** | No response |
| **Priority** | Medium |
| **Additional info** |  |

**FT-007**

| **Bug** | Results will be calculated for integers wit plus sign like **‘+5’** |
| --- | --- |
| **Description** | When entering number **‘+5’** into input field and clicking ‘Calculate!’ answer will be: **‘The factorial of +5 is: 120’** |
| **Environment** | Windows 10  Firefox browser v. 119.0.1 (64-bit) |
| **Steps to reproduce** | * Open webpage <https://qainterview.pythonanywhere.com/> * Locate input field and enter value: **+5** * Click on **‘Calculate**!’ |
| **Expected result** | **‘Please enter only numeric values’** or something similar |
| **Actual result** | Response: **‘The factorial of +5 is: 120’** |
| **Priority** | Medium |
| **Additional info** | Mathematically it’s not wrong but can be misleading for users and may give unexpected/unwanted results in different programs.  Good practice would be that current calculator input accepts only numeric values [ 0 - 9 ] |