Bug Report Summary

Summary:
6 New bugs were reported

Functional Bugs

- Factorial Page | Website is not calculating factorial for numbers for numbers greater than 989
- Factorial Page | Website not validating when user attempts to calculate the factorial of a negative number.

Navigation/Usability Bugs
- Navigation | Privacy link redirecting to incorrect page
- Navigation | Terms & Conditions link redirecting to incorrect page
- Navigation | Factoriall misspelled in tab/window title

Cross Browser Bugs
- Factorial Page | IE | Page title is not green colored

Findings and recommendations

- It would be nice to have instructions about data limit/range
- Since we are dealing with a solution just for Factorial we should limit our input (from a Front End standpoint) to just accept Natural Numbers.

Name:	**Factorial Page	Website is not calculating factorial for numbers for numbers greater than 989**
Description:	Website is not displaying any result for factorial numbers greater than 989
Priority:	High
Severity:	High (Depends on the requirement scope, since a range was not clearly defined, we need to review user story to help determine this)
Test Context:	**Browser:** Chrome/IE/Firefox/Edge **App version:** N/A **Environment:** QA **Test Data:** Number: 995

Reporter: Diego Rivas	**Submitted Date:** 03/20/2021

BackEnd logs	<title>500 Internal Server Error</title> Internal Server Error The server encountered an internal error and was unable to complete your request. Either the server is overloaded or there is an error in the application.

Steps to reproduce:

1. Go to http://qainterview.pythonanywhere.com/
2. Type 995 (Or any other number greater than 989)
3. Calculate factorial

Actual result:

- Website doesn't print any result for given number
  - BE seems to be crashing with 500 status code

Expected result:

- Factorial result should be displayed in format: ***The factorial of 995 is: result***
  - **PS:** Before getting this assigned to any developer, first, this has to be clarified with PO and initial requirement.
    - If data range was not originally allocated as part of AC then we need to update the US and make changes accordingly
    - If this is expected, I'll close this defect

Visual reference:

https://www.loom.com/share/89a50baff36b44c79bdcc83edc909edb

Labels: *Automated_Test, Sprint_Number.*

Name:	**Factorial Page | Website not validating when user attempts to calculate the factorial of a negative number.**
Description:	Website allows users to calculate the factorial of negative integers. Factorial can only be calculated for Natural Numbers (Including Zero)
Priority:	High
Severity:	High
Test Context:	**Browser:** Chrome/IE/Firefox/Edge **App version:** N/A **Environment:** QA **Test Data:** Negative Number: -5

Reporter: Diego Rivas	**Submitted Date:** 03/20/2021

BackEnd logs	Response: <title>500 Internal Server Error</title> Internal Server Error The server encountered an internal error and was unable to complete your request. Either the server is overloaded or there is an error in the application.

Steps to reproduce:

1. Go to http://qainterview.pythonanywhere.com/
2. Type -5 (Or any other negative number)
3. Calculate factorial

Actual result:

- Website doesn't alert nor print any error message
    - BE seems to be crashing with 500 status code

Expected result:

- Error message should be displayed: "Please enter a Natural Number"

Visual reference:

https://www.loom.com/share/bbef01d06c4a4c3691097217e69b6398

Labels: *Automated_Test, Sprint_Number.*

Name:	**Navigation	Privacy link redirecting to incorrect page**
Description:	When user clicks on 'Privacy' link website redirects to incorrect page
Priority:	Medium
Severity:	Low
Test Context:	● **Browser:** Chrome/IE/Firefox/Edge ● **App version:** N/A ● **Environment:** QA

Reporter: Diego Rivas	**Submitted Date:** 03/20/2021

BackEnd logs	N/A

Steps to reproduce:

1. Go to http://qainterview.pythonanywhere.com/
2. Click on 'Privacy' link
3. Verify 'X' present on privacy page

Actual result:

● Website redirects to http://qainterview.pythonanywhere.com/terms url

Expected result:

● User should be redirected to http://qainterview.pythonanywhere.com/privacy

Visual reference:

https://www.loom.com/share/f433036790734f94a08d3f14481034a0

Labels: *Automated_Test, Sprint_Number.*

Name:	**Navigation | Terms & Conditions link redirecting to incorrect page**
Description:	When user clicks on 'Terms & Conditions' link website redirects to incorrect page
Priority:	Medium
Severity:	Low
Test Context:	**Browser:** Chrome/IE/Firefox/Edge **App version:** N/A **Environment:** QA

Reporter: Diego Rivas	**Submitted Date:** 03/20/2021

BackEnd logs	N/A

Steps to reproduce:

4. Go to http://qainterview.pythonanywhere.com/
5. Click on 'Terms and Conditions' link
6. Verify 'X' present on terms page

Actual result:

- Website redirects to http://qainterview.pythonanywhere.com/privacy url

Expected result:

- User should be redirected to http://qainterview.pythonanywhere.com/terms

Visual reference:

https://www.loom.com/share/848df720f4ae43d7b23c458bc13a07ca

Labels: *Automated_Test, Sprint_Number.*

Name:	**Navigation | Factoriall misspelled in tab/window title**
Description:	When user clicks on 'Terms & Conditions' link website redirects to incorrect page
Priority:	Medium (Users can get confused and ask themselves if they are in the correct site)
Severity:	Low
Test Context:	● **Browser:** Chrome/IE/Firefox/Edge ● **App version:** N/A ● **Environment:** QA

Reporter: Diego Rivas	**Submitted Date:** 03/20/2021

BackEnd logs	N/A

Steps to reproduce:

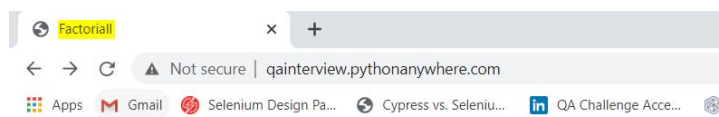1. Go to http://qainterview.pythonanywhere.com/
2. Verify tab/window title

Actual result:

● Title is displayed as: Factoriall

Expected result:

● Title should be: Factorial

Visual reference:

Labels: *Exploratory_Test, Release_Number*

Name:	**Factorial Page	IE	Page title is not green colored**
Description:	"The greatest factorial calculator!" is not displayed in green color
Priority:	Low
Severity:	Low
Test Context:	• **Browser:** *Internet Explorer Only* • **App version:** N/A • **Environment:** QA

Reporter: Diego Rivas	**Submitted Date:** 03/20/2021

BackEnd logs	N/A

Steps to reproduce:

3. Go to http://qainterview.pythonanywhere.com/
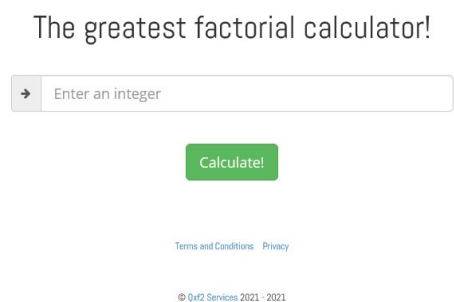4. Verify "The greatest factorial calculator!" title

Actual result:

● Title is gray colored

Expected result:

● Title should be displayed in **green** color

Visual reference:

Labels: *Exploratory_Test, Crossbrowser_Test, Release_Number*