Bug Report for Factorial App

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| Bug ID | FA001 | |
| Bug Summary | Factorial calculation is not working properly when a User tries to calculate the Factorial of an integer with 4 digits or more | |
| Version | V1 | |
| Environment | QA: http://qainterview.pythonanywhere.com/ | |
| Bug Type | Functionality | |
| Priority | High Priority | |
| Bug description | When User tries to calculate the Factorial of a number with 4 digits or more, an internal server error is thrown | |
| Action Steps | 1. Go to the Application 2. In the “Enter an integer” textbox enter a 4 digits int (E.g. 1000) 3. Click on Calculate button | |
| Expected Result | Application should display the message “The factorial of 1000 is: Infinity” | |
| Actual result | Not Any message is displayed for the user and 505 Internal server error is throw. | |
| Reported by | Pedro Sorto | |
| Report Date | 3/23/2020 | |
| Evidence: | | |
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| Additional info: | | <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2 Final//EN">  <title>500 Internal Server Error</title>  <h1>Internal Server Error</h1>  <p>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.</p> |

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| Bug ID | FA002 | |
| Bug Summary | Factorial calculation is not working properly when a User tries to calculate the Factorial of negative Int | |
| Version | V1 | |
| Environment | QA: http://qainterview.pythonanywhere.com/ | |
| Bug Type | Data Limit | |
| Priority | Normal Priority | |
| Bug description | When User tries to calculate the Factorial of a negative number an internal server error is thrown | |
| Action Steps | 1. Go to the Application 2. In the “Enter an integer” textbox enter a negative int (E.g. -2) 3. Click on Calculate button | |
| Expected Result | Application should display the message “The factorial of -2 is: Incalculable” | |
| Actual result | Not Any message is displayed for the user and 505 Internal server error is throw. | |
| Reported by | Pedro Sorto | |
| Report Date | 3/23/2020 | |
| Evidence: | | |
| Additional info: | | <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2 Final//EN">  <title>500 Internal Server Error</title>  <h1>Internal Server Error</h1>  <p>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.</p> |

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| Bug ID | FA003 | |
| Bug Summary | Factorial calculation is not working properly when a User tries to calculate the Factorial of a specific double value | |
| Version | V1 | |
| Environment | QA: http://qainterview.pythonanywhere.com/ | |
| Bug Type | Data Limit | |
| Priority | Normal Priority | |
| Bug description | When User tries to calculate the Factorial of a specific double value 0.0, an internal server error is throw | |
| Action Steps | 1. Go to the Application 2. In the “Enter an integer” textbox enter the double value: 0.0 3. Click on Calculate button | |
| Expected Result | Application should display the message “Please enter an integer” | |
| Actual result | Not Any message is displayed for the user and 505 Internal server error is throw. | |
| Reported by | Pedro Sorto | |
| Report Date | 3/23/2020 | |
| Evidence: | | |
| Additional info: | | <title>500 Internal Server Error</title>  <h1>Internal Server Error</h1>  <p>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.</p> |

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| Bug ID | FA004 | |
| Bug Summary | Factorial App Tab Title has a Typo | |
| Version | V1 | |
| Environment | QA: http://qainterview.pythonanywhere.com/ | |
| Bug Type | UI/UX | |
| Priority | High Priority | |
| Bug description | When User navigate to the App and see the Title Tab it displays “**Factoriall**” instead “**Factorial**” | |
| Action Steps | 1. Go to the Application 2. Check the Tab Title | |
| Expected Result | Application should display the tab title as “**Factorial**” | |
| Actual result | The Application is displaying “**Factoriall**” | |
| Reported by | Pedro Sorto | |
| Report Date | 3/23/2020 | |
| Evidence: | | |
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| Additional info: | | This Could be Related to FA005 |

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| Bug ID | FA005 | |
| Bug Summary | Factorial App is missing an Icon | |
| Version | V1 | |
| Environment | QA: http://qainterview.pythonanywhere.com/ | |
| Bug Type | UI/UX | |
| Priority | High Priority | |
| Bug description | This could not be a bug since more context is needed before report the bug.  When User navigate to the App according to the API an Icon should be displayed | |
| Action Steps | 1. Go to the Application 2. Check the Icon | |
| Expected Result | Application should display the Icon | |
| Actual result | The Application is not displaying any Icon | |
| Reported by | Pedro Sorto | |
| Report Date | 3/23/2020 | |
| Evidence: | | |
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| Additional info: | | This Could be Related to FA005  <title>404 Not Found</title>  <h1>Not Found</h1>  <p>The requested URL was not found on the server. If you entered the URL manually please check your spelling and try again.</p> |

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| Bug ID | FA006 | |
| Bug Summary | “The greatest factorial calculator!” looks different from expected in IE Browsers | |
| Version | V1 | |
| Environment | QA: http://qainterview.pythonanywhere.com/ | |
| Bug Type | UI/UX | |
| Priority | Low Priority | |
| Precondition | User Should use Internet Explorer for this testing | |
| Bug description | When User navigate to the App the Message “The greatest factorial calculator!” is in a different color | |
| Action Steps | 1. Go to the Application 2. Check the message: “The greatest factorial calculator!” | |
| Expected Result | Application should display the message: “The greatest factorial calculator!” in green color | |
| Actual result | The Application is displaying the message: “The greatest factorial calculator!” in Black Color | |
| Reported by | Pedro Sorto | |
| Report Date | 3/23/2020 | |
| Evidence: | | |
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| Additional info: | | Tested on IE V1803 |

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| Bug ID | FA007 | |
| Bug Summary | The Result Div should be clean when a new calculation is done | |
| Version | V1 | |
| Environment | QA: http://qainterview.pythonanywhere.com/ | |
| Bug Type | Functionality - UX/UI | |
| Priority | Low Priority | |
| Bug description | When a successful Factorial calculation is done and then an unsuccessful calculation is performed, the message of the previous calculation is displayed which could cause confusion to the User. | |
| Action Steps | 1. Go to the Application 2. Enter a number (E.g. 100) 3. Click on Calculate button 4. Enter a number that could cause a failure in the request (E.g. Bug F001) 5. Click On Calculate | |
| Expected Result | Application should Not display the message of the previous calculation | |
| Actual result | Application is displaying the calculation performed before | |
| Reported by | Pedro Sorto | |
| Report Date | 3/23/2020 | |
| Evidence: | | |
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| Additional info: | | This Could not be a bug. |