**QA Test Challenge Bug Report**Prepared by: Aaron Zhong

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| --- | --- |
| ID number | #001 |
| Name | CALC - Undefined output values from allowing inconsistent numerical inputs |
| Reporter | Aaron Zhong |
| Submit Date | 09/08/17 |
| Summary | Leaving Time is allowed to be set as value before Entry Time. This causes unexpected and negative output. |
| URL | <http://adam.goucher.ca/parkcalc/index.php?Lot=STP&EntryTime=10%3A00&EntryTimeAMPM=AM&EntryDate=9%2F9%2F2016&ExitTime=7%3A00&ExitTimeAMPM=AM&ExitDate=9%2F9%2F2016&action=calculate&Submit=Calculate> |
| Screenshot | <https://puu.sh/xuOmz/3dfdaaa500.png> |
| Platform | Macintosh |
| Operating System | OS X 10.10.5 |
| Browser | Chrome 60 |
| Priority | Medium |

**Description**

Leaving Time is allowed to be set as value before Entry Time. This causes unexpected and negative output.

**Steps to reproduce**

> Select Type of Parking [e.g. Long-Term Surface Parking]

> Select Entry Time and Date [11:00 AM 9/9/2016]

> Select Leaving Date [9/9/2016]

> Select Leaving Time [7:00 AM]

> Press *Calculate*

**Expected result**

Cost should display: **ERROR! YOUR EXIT DATE OR TIME IS BEFORE YOUR ENTRY DATE OR TIME**

**Actual result**

Cost displays: $ 0.00 (-1 Days, 21 Hours, 0 Minutes)

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| --- | --- |
| ID number | #002 |
| Name | CALC - PM radio increments time outside expected values. |
| Reporter | Aaron Zhong |
| Submit Date | 09/08/17 |
| Summary | Typing in Leaving Time values after 12PM causes PM button to simply increase the Leaving Time value by 10 |
| URL | <http://adam.goucher.ca/parkcalc/index.php?Lot=STP&EntryTime=12&EntryTimeAMPM=AM&EntryDate=9%2F9%2F2016&ExitTime=10&ExitTimeAMPM=PM&ExitDate=9%2F9%2F2016&action=calculate&Submit=Calculate> |
| Screenshot | <https://puu.sh/xuPzT/87fbbf7261.png> |
| Platform | Macintosh |
| Operating System | OS X 10.10.5 |
| Browser | Chrome 60 |
| Priority | Medium |

**Description**

Typing in Leaving Time values after 12PM causes PM button to simply increase the Leaving Time value by 10. This creates an inconsistent presentation between the entry date and time in hours. Depending on the specifications, this may be expected behavior but can create confusion.

**Steps to reproduce**

> Select Type of Parking [e.g. Short Term Parking]

> Select Entry Time and Date [12:00 AM 9/9/2016]

> Select Leaving Date [9/9/2016]

> Select Leaving Time [10:00 PM]

> Press *Calculate*

**Expected result**

10:00 value persists. PM radio does not reset. Cost displays $26 and 22 hours.

**Actual result**

Leaving Time becomes 22:00. PM radio resets to AM. Cost displays $26 and 22 hours.

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| --- | --- |
| ID number | #003 |
| Name | CALC - Negative time and symbols are accepted as input. |
| Reporter | Aaron Zhong |
| Submit Date | 09/08/17 |
| Summary | Negative time and symbols produce unexpected results. Ideally, they should not be accepted as input. |
| URL | <http://adam.goucher.ca/parkcalc/index.php?Lot=VP&EntryTime=-10%3A%240&EntryTimeAMPM=AM&EntryDate=9%2F8%2F2019&ExitTime=-8%21%3A00%24&ExitTimeAMPM=AM&ExitDate=9%2F8%2F2019&action=calculate&Submit=Calculate> |
| Screenshot | <https://puu.sh/xuPxT/d636e25a65.png> |
| Platform | Macintosh |
| Operating System | OS X 10.10.5 |
| Browser | Chrome 60 |
| Priority | Medium |

**Description**

Negative time and symbols produce unexpected results. Ideally, they should not be accepted as input.

**Steps to reproduce**

> Select Type of Parking [e.g. Valet Parking]

> Select Entry Time and Date [-10:$0 AM 9/8/2019]

> Select Leaving Date [9/8/2019]

> Select Leaving Time [-8!:00$ AM]

> Press *Calculate*

**Expected result**

Cost should display: **ERROR! PLEASE ENTER CORRECT INPUT.**

**Actual result**

Cost displays: $ 544,410.00 (18146 Days, 16 Hours, 0 Minutes)

|  |  |
| --- | --- |
| ID number | #004 |
| Name | CALC - Negative and zero values are accepted as inputs as both times and dates. |
| Reporter | Aaron Zhong |
| Submit Date | 09/08/17 |
| Summary | Both dates and times are allowed to be set as negative and zero values that are inconsistent and produce unexpected output. |
| URL | <http://adam.goucher.ca/parkcalc/index.php?Lot=EP&EntryTime=0&EntryTimeAMPM=AM&EntryDate=-1%2F0%2F0&ExitTime=-1&ExitTimeAMPM=AM&ExitDate=0%2F6%2F0&action=calculate&Submit=Calculate> |
| Screenshot | <https://puu.sh/xuPvn/168a3b82ef.png> |
| Platform | Macintosh |
| Operating System | OS X 10.10.5 |
| Browser | Chrome 60 |
| Priority | Medium |

**Description**

Both dates and times are allowed to be set as negative and zero values that are inconsistent and produce unexpected output.

**Steps to reproduce**

> Select Type of Parking [e.g. Economy Parking]

> Select Entry Time and Date [0:00 AM -1/0/0]

> Select Leaving Date [0/6/0]

> Select Leaving Time [-1:00 AM]

> Press *Calculate*

**Expected result**

Cost should display: **ERROR! PLEASE ENTER CORRECT INPUT.**

**Actual result**

$ 279.00 (35 Days, 23 Hours, 0 Minutes)

|  |  |
| --- | --- |
| ID number | #005 |
| Name | CALC - Inconsistent zero time parking output |
| Reporter | Aaron Zhong |
| Submit Date | 09/08/17 |
| Summary | When difference in parking times is set to be zero, the cost displayed is inconsistent between the price and the time used. |
| URL | <http://adam.goucher.ca/parkcalc/index.php?Lot=STP&EntryTime=2%3A56&EntryTimeAMPM=AM&EntryDate=9%2F7%2F2016&ExitTime=2%3A56&ExitTimeAMPM=AM&ExitDate=9%2F7%2F2016&action=calculate&Submit=Calculate>  <http://adam.goucher.ca/parkcalc/index.php?Lot=EP&EntryTime=2%3A56&EntryTimeAMPM=AM&EntryDate=9%2F7%2F2016&ExitTime=2%3A56&ExitTimeAMPM=AM&ExitDate=9%2F7%2F2016&action=calculate&Submit=Calculate> |
| Screenshots | <https://puu.sh/xuQ3p/3143d02d88.png>    <https://puu.sh/xuQ2q/7a33bf55ac.png> |
| Platform | Macintosh |
| Operating System | OS X 10.10.5 |
| Browser | Chrome 60 |
| Priority | Medium |

**Description**

When difference in parking times is set to be zero, the cost displayed is inconsistent between the price and the time used. Only Short-Term Parking and Valet Parking display the inconsistency, while the other parking types do not.

**Steps to reproduce**

> Select Type of Parking [e.g. Short-Term Parking]

> Select Entry Time and Date [0:00 AM -1/0/0]

> Select Leaving Date [0/6/0]

> Select Leaving Time [-1:00 AM]

> Press *Calculate*

**Expected result**

Cost should display: $ 0.00 (0 Days, 0 Hours, 0 Minutes)

**Actual result**

$ 2.00 (0 Days, 0 Hours, 0 Minutes)

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| --- | --- |
| ID number | #006 |
| Name | CALC - Application crashes on out of bounds input |
| Reporter | Aaron Zhong |
| Submit Date | 09/08/17 |
| Summary | Application cannot handle numbers beyond a certain value. Page simply hangs and crashes without warning. |
| URL | <http://adam.goucher.ca/parkcalc/index.php?Lot=STP&EntryTime=12%3A00&EntryTimeAMPM=AM&EntryDate=09%2F08%2F2017&ExitTime=12%3A00&ExitTimeAMPM=AM&ExitDate=09%2F08%2F99999999&action=calculate&Submit=Calculate> |
| Screenshot | <https://puu.sh/xuQOL/6854910edd.png> |
| Platform | Macintosh |
| Operating System | OS X 10.10.5 |
| Browser | Chrome 60 |
| Priority | Medium |

**Description**

Both dates and times are allowed to be set as negative and zero values that are inconsistent and produce unexpected output. Ideally, output could be limited and produce an error warning if range is exceeded.

**Steps to reproduce**

> Select Type of Parking [e.g. Economy Parking]

> Select Entry Time and Date [12:00 AM 09/08/2017]

> Select Leaving Time [12:00 AM]

> Select Leaving Date [09/08/99999999]

> Press *Calculate*

**Expected result**

Cost should display: **ERROR! INPUT TOO LARGE.**

**Actual result**

Program hangs and crashes

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| --- | --- |
| ID number | #007 |
| Name | CALC - Lot Dropdown Menu Resets |
| Reporter | Aaron Zhong |
| Submit Date | 09/08/17 |
| Summary | Lot Dropdown Menu resets after calculation. |
| URL | <http://adam.goucher.ca/parkcalc/index.php?Lot=VP&EntryTime=3%3A00&EntryTimeAMPM=AM&EntryDate=9%2F8%2F2017&ExitTime=4%3A00&ExitTimeAMPM=AM&ExitDate=9%2F8%2F2017&action=calculate&Submit=Calculate> |
| Screenshot | <https://puu.sh/xuRgt/3e6847659c.png>    <https://puu.sh/xuRhw/6a8bbde62e.png> |
| Platform | Macintosh |
| Operating System | OS X 10.10.5 |
| Browser | Chrome 60 |
| Priority | Medium |

**Description**

Lot Dropdown Menu resets to Short-Term Parking after calculation. Ideally, it can remain stationary until changed by user to facilitate overview and usability.

|  |  |
| --- | --- |
| **Steps to reproduce**  > Select Type of Parking [e.g. Valet Parking]  > Select Entry Time and Date [3:00 AM 09/08/2017]  > Select Leaving Date [09/08/2017]  > Select Leaving Time [4:00 AM]  > Press *Calculate* | **Expected result**  Choose a Lot displays: Valet Parking  **Actual result**  Choose a Lot displays: Short-Term Parking |