


QA Test Challenge Bug Report

Prepared by: Aaron Zhong

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	 <p>PARKING CALCULATOR</p> <p>Choose a Lot: Long-Term Surface Parking</p> <p>Choose Entry Date and Time: 10:00 AM 9/9/2016</p> <p>Choose Leaving Date and Time: 7:00 AM 9/9/2016</p> <p>COST \$ 0.00 (-1 Days, 21 Hours, 0 Minutes)</p> <p>Calculate</p>
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

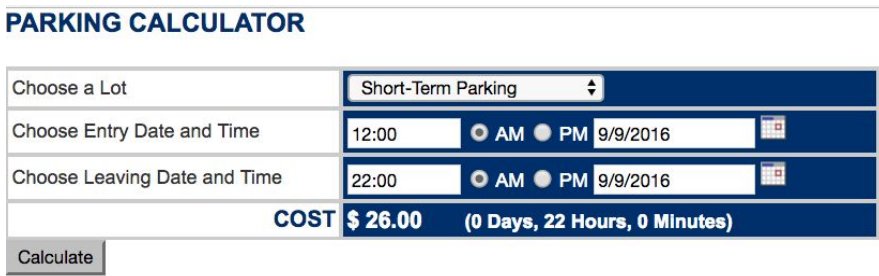
- > Select Type of Parking [e.g. Long-Term Surface Parking]
- > Select Entry Time and Date [11:00 AM 9/9/2016]
- > Select Leaving Date [9/9/2016]
- > Select Leaving Time [7:00 AM]
- > Press *Calculate*

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)

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&EntryTimeAMP=AM&EntryDate=9%2F9%2F2016&ExitTime=10&ExitTimeAMP=PM&ExitDate=9%2F9%2F2016&action=calculate&Submit=Calculate
Screenshot	 <p>PARKING CALCULATOR</p> <p>Choose a Lot: Short-Term Parking</p> <p>Choose Entry Date and Time: 12:00 AM 9/9/2016</p> <p>Choose Leaving Date and Time: 22:00 AM 9/9/2016</p> <p>COST \$ 26.00 (0 Days, 22 Hours, 0 Minutes)</p> <p>Calculate</p>
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

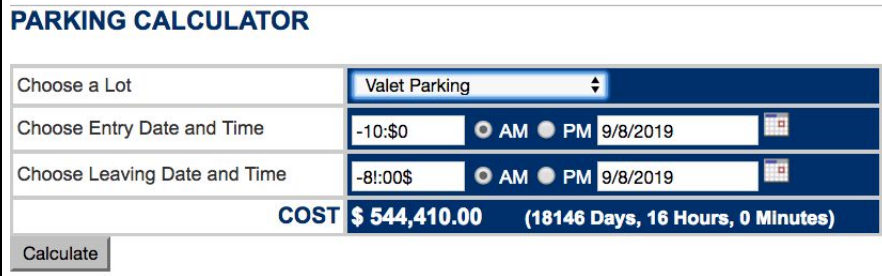
- > Select Type of Parking [e.g. Short Term Parking]
- > Select Entry Time and Date [12:00 AM 9/9/2016]
- > Select Leaving Date [9/9/2016]
- > Select Leaving Time [10:00 PM]
- > Press *Calculate*

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.

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	 <p>PARKING CALCULATOR</p> <p>Choose a Lot: Valet Parking</p> <p>Choose Entry Date and Time: -10:\$0 AM 9/8/2019</p> <p>Choose Leaving Date and Time: -8!:00\$ AM 9/8/2019</p> <p>COST \$ 544,410.00 (18146 Days, 16 Hours, 0 Minutes)</p> <p>Calculate</p>
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

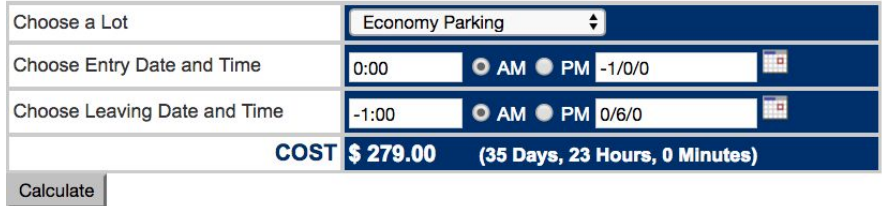
- > Select Type of Parking [e.g. Valet Parking]
- > Select Entry Time and Date [-10:\$0 AM 9/8/2019]
- > Select Leaving Date [9/8/2019]
- > Select Leaving Time [-8!:00\$ AM]
- > Press *Calculate*

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&EntryTimeAMP=AM&EntryDate=-1%2F0%2F0&ExitTime=-1&ExitTimeAMP=AM&ExitDate=0%2F6%2F0&action=calculate&Submit=Calculate
Screenshot	
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

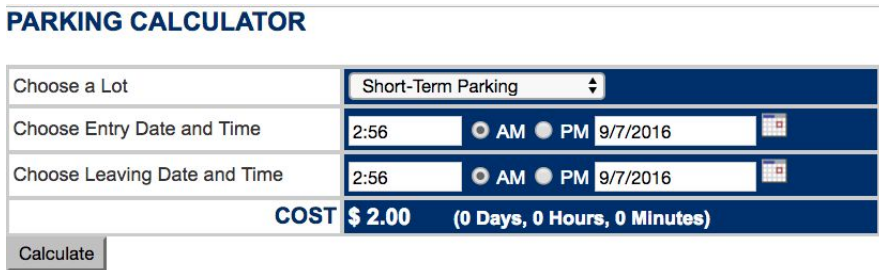
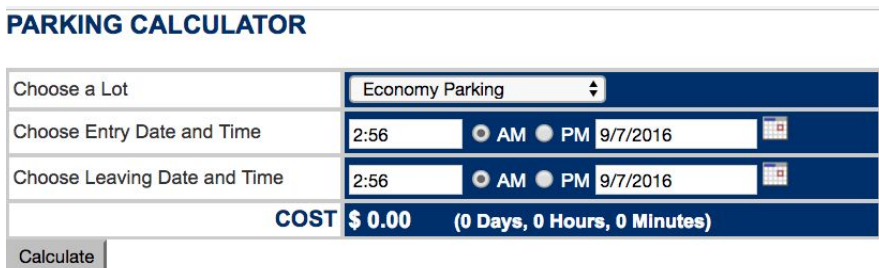
- > Select Type of Parking [e.g. Economy Parking]
- > Select Entry Time and Date [0:00 AM -1/0/0]
- > Select Leaving Date [0/6/0]
- > Select Leaving Time [-1:00 AM]
- > Press *Calculate*

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)

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	 <p>PARKING CALCULATOR</p> <p>Choose a Lot: Short-Term Parking</p> <p>Choose Entry Date and Time: 12:00 AM 09/08/2017</p> <p>Choose Leaving Date and Time: 12:00 AM 09/08/99999999</p> <p>COST \$ 0</p> <p>Calculate</p>
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

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	<p>PARKING CALCULATOR</p>  <p>https://puu.sh/xuRgt/3e6847659c.png</p> <p>PARKING CALCULATOR</p>  <p>https://puu.sh/xuRhW/6a8bbde62e.png</p>
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