Parking Calculator

Test Cases

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## Test Case 1: Check for the valid Title of the application (UI Testing Scenario)

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>

1. Check whether the title of the application is ‘PARKING CALCULATOR’

## Test Case 2: Check if the application has the appropriate fields for calculating the parking fee (UI Testing Scenario)

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Check whether the label element for the Parking Lot is present with the name ‘Choose a Lot’
3. Check whether the dropdown element for the Parking Lot is present
4. Check whether the label element for the Entry Date and Time is present with the name ‘Choose Entry Date and Time’
5. Check whether an input time field is present for Entry Time along with the AM and PM radio buttons
6. Check whether a date field is present to enter an Entry Date
7. Check whether the label element for the Leaving Date and Time is present with the name ‘Choose Leaving Date and Time’
8. Check whether an input time field is present for Leaving Time along with the AM and PM radio buttons
9. Check whether a label element with the text as COST is present.
10. Check whether another label element is present for the displaying the parking cost with cost as 0 by default.

## Test Case 3: When Short-Term Parking option is selected from Choose a Lot dropdown and Leaving date/time is before Entry date/time

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Short-Term Parking Option from the Choose a Lot dropdown
3. Enter 2:00 AM in the Entry Time field
4. Enter 01/01/2019 in the Entry Date field.
5. Enter 1:00 AM in the Leaving Time field
6. Enter 01/01/2019 in the Leaving Date field.
7. Click Calculate
8. Check that the following error message appears: “ERROR! YOUR EXIT DATE OR TIME IS

BEFORE YOUR ENTRY DATE OR TIME” and it does not calculate the parking charge or fee.

## Test Case 4: When Short-Term Parking Lot option is selected, and invalid entry date is entered in the form of 1/32/2018

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Short-Term Parking Option from the Choose a Lot dropdown
3. Leave the 12:00 AM in the Entry Time field
4. Enter the Entry Date as 1/32/2018 manually
5. Leave the 12:00 AM in the Leaving Time field
6. Enter the Leaving Date as 1/1/2019.
7. Click on Calculate button
8. Check that the error message appears as “ERROR! ENTER CORRECTLY FORMATTED DATE” and it does not calculate the parking charge or fee.

## Test Case 5: When Short-Term Parking Lot option is selected, and invalid entry date is entered with alphabets in the field

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Short-Term Parking Option from the Choose a Lot dropdown
3. Leave the 12:00 AM in the Entry Time field
4. Enter the Entry Date as ‘aa’ manually
5. Leave the 12:00 AM in the Leaving Time field
6. Enter the Leaving Date as 1/1/2019
7. Click on Calculate button
8. Check that the error message appears as “ERROR! ENTER CORRECTLY FORMATTED DATE” and it does not calculate the parking charge or fee.

## Test Case 6: When Short-Term Parking Lot option is selected, and invalid entry date is entered with number in the field.

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Short-Term Parking Option from the Choose a Lot dropdown
3. Leave the 12:00 AM in the Entry Time field
4. Enter the Entry Date as ‘2’ manually
5. Leave the 12:00 AM in the Leaving Time field
6. Enter the Leaving Date as 1/1/2019
7. Click on Calculate button
8. Check that the error message appears as “ERROR! ENTER CORRECTLY FORMATTED DATE” and it does not calculate the parking charge or fee.

## Test Case 7: When Short-Term Parking Lot option is selected, and invalid Leaving Date is entered in the form of 1/41/2018

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Short-Term Parking Option from the Choose a Lot dropdown
3. Leave the 12:00 AM in the Entry Time field
4. Enter the Entry Date as 1/1/2017
5. Leave the 12:00 AM in the Leaving Time field
6. Enter the Leaving Date as 1/41/2018 manually
7. Click on Calculate button
8. Check that the error message appears as “ERROR! ENTER CORRECTLY FORMATTED DATE” and it does not calculate the parking charge or fee.

## Test Case 8: When any of the valid parking Lot option is selected and invalid Entry Time is entered in the form of 52:00

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Short-Term Parking Option from the Choose a Lot dropdown
3. Enter the 52:00 in the Entry Time field and leave the AM option selected
4. Enter the Entry Date as 1/1/2017
5. Enter the 12:00 AM in the Leaving Time field
6. Enter the Leaving Date as 1/3/2017
7. Click on Calculate button
8. Check that invalid Time message appears, and it does not calculate the parking charge/fee.

## Test Case 9: When any of the valid parking Lot option is selected and invalid Entry Time or Leaving time is entered in the form of negative numbers like -2:00 or -1:00 or -2

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Short-Term Parking Option from the Choose a Lot dropdown
3. Enter -2:00 AM in the Entry Time field
4. Enter the Entry Date as 1/1/2017
5. Enter -1:00 AM in the Leaving Time field
6. Enter the Leaving Date as 1/1/2018
7. Click on Calculate button
8. Check that Invalid Time message appears, and it does not calculate the parking charge/fee.

## Test Case 10: When any of the valid parking lot option is selected and invalid Entry date is entered in the form of empty date

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Short-Term Parking Option from the Choose a Lot dropdown
3. Leave the 12:00 AM in the Entry Time field
4. Delete the contents of the Entry Date field to make it empty/blank.
5. Leave the 12:00 AM in the Leaving Time field
6. Enter the Leaving Date as 1/1/2019.
7. Click on Calculate button
8. Check that the error message appears as “ERROR! ENTER CORRECTLY FORMATTED DATE” and it does not calculate the parking charge or fee.

## Test Case 11: When any of the valid parking lot option is selected and an empty/blank Leaving Date is entered

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Short-Term Parking Option from the Choose a Lot dropdown
3. Leave the 12:00 AM in the Entry Time field
4. Enter the Entry Date as 1/1/2017
5. Leave the 12:00 AM in the Leaving Time field
6. Delete the contents of the Leaving Date field to make it empty or blank.
7. Click on Calculate button
8. Check that the error message appears as “ERROR! ENTER CORRECTLY FORMATTED DATE” and it does not calculate the parking charge or fee.

## Test Case 12: When Economy Parking is selected from the Parking Lot dropdown and a valid combination of Entry Date and Time and Leaving Date and Time is entered.

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Economy Parking Option from the Choose a Lot dropdown
3. Enter 2:00 AM in the Entry Time field
4. Enter 01/01/2019 in the Entry Date field
5. Enter 10:00 AM in the Leaving Time field
6. Enter 01/01/2019 in the Leaving Date field
7. Click Calculate
8. Check that the COST is $9.00 and is calculated for 8 hours

## Test Case 13: When Long-Term Surface Parking is selected from the Parking Lot dropdown and a valid combination of Entry Date and Time and Leaving Date and Time is entered.

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Long-Term Surface Parking Option from the Choose a Lot dropdown
3. Enter 2:00 AM in the Entry Time field
4. Enter 01/01/2019 in the Entry Date field
5. Enter 10:00 AM in Leaving Time field
6. Enter 01/01/2019 in the Leaving Date field
7. Click Calculate
8. Check that the COST is $10.00 and calculated for 8 hours

## Test Case 14: When Long-Term Garage Parking is selected from the Parking Lot dropdown and a valid combination of Entry Date and Time and Leaving Date and Time is entered.

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Long-Term Garage Parking Option from the Choose a Lot dropdown
3. Enter 2:00 AM in the Entry Time field
4. Enter 01/01/2019 in the Entry Date field
5. Enter 11:00 AM in the Leaving Time field
6. Enter 01/01/2019 in the Leaving Date field
7. Click Calculate
8. Check that the COST is $12.00 and is calculated for 9 hours

## Test Case 15: When Valet Parking is selected from the Parking Lot dropdown and a valid combination of Entry Date and Time and Leaving Date and Time is entered.

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Valet Parking Option from the Choose a Lot dropdown
3. Enter 2:00 AM in the Entry Time field
4. Enter 01/01/2019 in the Entry Date field
5. Enter 9:00 PM in the Leaving Time field
6. Enter 01/01/2019 in the Leaving Date field
7. Click Calculate
8. Check that the COST is $30.00 and is calculated for 19 hours

## Test Case 16: When Short-Term Parking is selected from the Parking Lot dropdown and a valid combination of Entry Date and Time and Leaving Date and Time is entered with a difference of 13 hours or less to validate that the parking cost increases on an hourly basis for the first 13 hours.

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Short-Term Parking Option from the Choose a Lot dropdown
3. Enter 12:23 AM in the Entry Time field
4. Enter 01/01/2019 in the Entry Date field
5. Enter 12:25 PM in the Leaving Time field
6. Enter 01/01/2019 in the Leaving Date field
7. Click Calculate
8. Check that the COST is $25.00 and is calculated for 12 hours and 2 minutes.

## Test Case 17: When Short-Term Parking is selected from the Parking Lot dropdown and a valid combination of Entry Date and Time and Leaving Date and Time is entered with a difference of 14 hours up to 24 hours, to validate that the parking cost does not change once the maximum fee has reached for the day.

Steps:

1. Go to the URL <http://adam.goucher.ca/parkcalc/>
2. Select the Short-Term Parking Option from the Choose a Lot dropdown
3. Enter 2:23 AM in the Entry Time field
4. Enter 01/01/2019 in the Entry Date field
5. Enter 9:00 PM in the Leaving Time field
6. Enter 01/01/2019 in the Leaving Date field
7. Click Calculate
8. Check that the COST is $26.00 and is calculated for 18 hours and 37 minutes (as the max of $26 is reached for the day in case of Short-Term Parking)