Saunders Parking Systems
Test Plan

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Automated Testing with Maven

Preconditions

Maven must be Downloaded & Installed
(http://maven.apache.org/download.html)

Test Steps

    a. Extract Complete Maven Project
    b. Open Command Prompt
    c. Change to Extracted Project Directory
        a. Note: Go to the Directory with pom.xml inside
    d. Run the Command: mvn test

TC-1: Retrieve Ticket #1

Preconditions

Application is started.

Test Steps

1. Click Retrieve Ticket
2. Click Take Ticket
3. Receive Unique Ticket ID
   a. Expected: Gate is Open
   b. Expected: Sign says FULL
   c. Expected: Remaining Spaces is 0
4. Note: Ticket ID
5. Click Drive Through Gate
   a. Expected: Gate is Closed
   b. Expected: Sign says FULL
   c. Expected: Remaining Spaces is 0
   d. Expected: Retrieve Ticket Button is Disabled
   e. Expected: System > Retrieve Ticket is Disabled

TC-2: Retrieve Ticket #2

Preconditions

Application is started.

Test Steps

1. Click System > Retrieve Ticket
2. Click Take Ticket
3. Receive Unique Ticket ID
    a. Expected: Gate is Open
    b. Expected: Sign says FULL
    c. Expected: Remaining Spaces is 0
4. Note: Ticket ID
5. Click Drive Through Gate
    a. Expected: Gate is Closed
    b. Expected: Sign says FULL
    c. Expected: Remaining Spaces is 0
    d. Expected: Retrieve Ticket Button is Disabled
    e. Expected: System > Retrieve Ticket is Disabled

TC-3: Pay for Ticket #1

Preconditions

Application is started & TC-1 or TC-2 has been completed.

Test Steps

1. Click Pay For Ticket
2. Enter Ticket ID (probably SPS01)
3. Receive Total
4. Click Pay With Cash
5. Enter "99999.99"
   a. Expected: Invalid Amount Error Message
6. Click Pay With Cash
7. Enter "abc"
   a. Expected: Invalid Amount Error Message
8. Click Pay with Credit
9. Enter "1234"
10. Receive Payment Success
    a. Expected: Gate is Open
    b. Expected: Garage is OPEN
    c. Expected: Remaining Spaces is 1
11. Click Drive Through Gate
    a. Expected: Gate is Closed
    b. Expected: Garage is OPEN
    c. Expected: Remaining Spaces is 1
    d. Expected: Retrieve Ticket Button is Enabled
    e. Expected: System -> Retrieve Ticket is Enabled

TC-4: Pay for Ticket #2

Preconditions

Application is started & TC-1 or TC-2 has been completed.

Test Steps

1. Click Pay For Ticket
2. Enter Ticket ID (probably SPS01)
3. Receive Total
4. Click Pay With Cash
5. Enter Correct Total
6. Receive Payment Success
   a. Expected: Gate is Open
   b. Expected: Garage is OPEN
   c. Expected: Remaining Spaces is 1
7. Click Drive Through Gate
   a. Expected: Gate is Closed
   b. Expected: Garage is OPEN
   c. Expected: Remaining Spaces is 1
   d. Expected: Retrieve Ticket Button is Enabled
   e. Expected: System -> Retrieve Ticket is Enabled

TC-5: Pay for Ticket #3

Preconditions

Application is started & TC-1 or TC-2 has been completed.

Test Steps

1. Click System -> Pay For Ticket
2. Enter Ticket ID (probably SPS01)
3. Receive Total
4. Click Pay With Cash
5. Receive Payment Success
    a. Expected: Gate is Open
    b. Expected: Garage is OPEN
    c. Expected: Remaining Spaces is 1
6. Click Drive Through Gate
    a. Expected: Gate is Closed
    b. Expected: Garage is OPEN
    c. Expected: Remaining Spaces is 1
    d. Expected: Retrieve Ticket Button is Enabled
    e. Expected: System -> Retrieve Ticket is Enabled

TC-6: Summon Attendant

Preconditions

Application is started.

Test Steps

1. Click Help -> Summon Attendant
   a. Expected: Attendant Summoned Dialog Displayed
2. Click Ok
   a. Expected: System Returned to Test Start State

TC-7: Administrator Login

Preconditions

Application is started.

Test Steps

1. Click Admin -> Login
   a. Expected: Prompted for PIN
2. Enter "3456"
   a. Expected: System Invalid PIN Error Message
3. Enter "1234"
   a. Expected: Attendant Logged In Message
   b. Expected: Admin-> Login Not Visible
   c. Expected: Admin-> Logout Visible
   d. Expected: All Admin Submenus Enabled
   e. Expected: System Returned to Test Start State

TC-8: Administrator Logout

Preconditions

Application is started & TC-7 has been completed.

Test Steps

1. Click Admin -> Logout
    a. Expected: Admin-> Login Visible
    b. Expected: Admin-> Logout Not Visible
    c. Expected: All Admin Submenus Disabled
    d. Expected: System Returned to Test Start State

TC-9: Kiosk Shutdown #1

Preconditions

Application is started & TC-7 has been completed.

Test Steps

1. Click Admin -> Shutdown Kiosk
   a. Expected: Kiosk Exits

TC-10: Kiosk Shutdown #2

Preconditions

Application is started.

Test Steps

1. Click "X" in Top Right of Application
    a. Expected: Kiosk Exits

TC-11: Set Parking Fee

Preconditions

Application is started & TC-7 has been completed.

Test Steps

1. Click Admin -> Set Parking Fee
2. Enter "abc"
   a. Expected: Invalid Parking Fee Error Message
3. Enter "$4.5"
   a. Expected: Invalid Parking Fee Error Message
4. Enter "4.5"
   a. Expected: Parking Fee Set Message
5. Click Ok
   a. Expected: Admin -> Set Parking Fee Shows New Parking Fee

TC-12: Set Maximum Spaces #1

Preconditions

Application is started & TC-7 has been completed.

Test Steps

1. Click Admin -> Set Maximum Spaces
2. Enter "abc"
   a. Expected: Invalid Number Error Message
3. Enter "1,000"
   a. Expected: Invalid Number Error Message
4. Enter "4"
   a. Expected: Maximum Spaces Set Message
5. Click Ok
   a. Expected: Admin -> Set Maximum Spaces Shows New Parking Fee

TC-13: Set Maximum Spaces #2

Preconditions

Application is started, TC-1 & TC-7 have both been completed.

Test Steps

1. Initial State
   a. Expected: Garage is FULL
   b. Expected: Remaining Spaces is 0
   c. Expected: Retrieve Ticket Button is Disabled
   d. Expected: System -> Retrieve Ticket is Disabled
2. Click Admin -> Set Maximum Spaces
3. Enter "4"
   a. Expected: Maximum Spaces Set Message
4. Click Ok
   a. Expected: Admin -> Set Maximum Spaces Shows New Parking Fee
   b. Expected: Garage is OPEN
   c. Expected: Remaining Spaces is 3
   d. Expected: Retrieve Ticket Button is Enabled
   e. Expected: System -> Retrieve Ticket is Enabled

TC-14: Set Garage Status #1

Preconditions

Application is started & TC-7 has been completed.

Test Steps

1. Click Admin -> Set Garage Status -> Closed
   a. Expected: Garage is CLOSED
2. Click Admin -> Set Garage Status -> Open
   a. Expected: Garage is OPEN

TC-15: Set Garage Status #2

Preconditions

Application is started, TC-1 & TC-7 have both been completed.

Test Steps

1. Initial State
   a. Expected: Garage is FULL
   b. Expected: Remaining Spaces is 0
2. Click Admin -> Set Garage Status -> Closed
   a. Expected: Garage is CLOSED
   b. Expected: Remaining Spaces is 0
   c. Expected: Retrieve Ticket Button is Disabled
   d. Expected: System -> Retrieve Ticket is Disabled
3. Click Pay For Ticket
4. Enter Ticket ID (probably SPS01)
5. Receive Total
6. Click Pay With Cash
7. Enter Correct Total
8. Receive Payment Success
   a. Expected: Gate is Open
   b. Expected: Garage is CLOSED
   c. Expected: Remaining Spaces is 1
9. Click Drive Through Gate
   a. Expected: Gate is Closed
   b. Expected: Garage is CLOSED
   c. Expected: Remaining Spaces is 1
   d. Expected: Retrieve Ticket Button is Disabled
   e. Expected: System -> Retrieve Ticket is Disabled

TC-15: View Data

Preconditions

Application is started & TC-7 has been completed.

Test Steps

1. Click Admin -> Data Tools -> Open Data Viewer
   a. Expected: Data View Opens
2. Click Ticket ID Header
   a. Expected: Rows are Sorted by Ticket ID
3. Click Issued Header
   a. Expected: Rows are Sorted by Date Issued
4. Click Paid Header
   a. Expected: Rows are Sorted by Date Paid
5. Click Pay Type Header
   a. Expected: Rows are Sorted by Pay Type
6. Click Fee Header
   a. Expected: Rows are Sorted by Fee

TC-16: Generate Average Cars Per Day Report

Preconditions

Application is started & TC-7 has been completed.

Test Steps

1. Click Admin -> Data Tools -> Open Report Generator
2. Set Start Month to 9
3. Set End Month to 9
4. Set End Month Day to 10
   a. Note: Test Data was Pre-Loaded for this Date Range
5. Set Report Type to "Avg Cars per Day"
6. Click Generate Report
   a. Expected: Report Results are Displayed

TC-17: Generate Average Stay Per Day Report

Preconditions

Application is started & TC-7 has been completed.

Test Steps

7. Click Admin -> Data Tools -> Open Report Generator
8. Set Start Month to 9
9. Set End Month to 9
10. Set End Month Day to 10
    a. Note: Test Data was Pre-Loaded for this Date Range
11. Set Report Type to "Avg Stay per Day"
12. Click Generate Report
    a. Expected: Report Results are Displayed

TC-18: Generate Most Cars in Single Day Report

Preconditions

Application is started & TC-7 has been completed.

Test Steps

13. Click Admin -> Data Tools -> Open Report Generator
14. Set Start Month to 9
15. Set End Month to 9
16. Set End Month Day to 10
    a. Note: Test Data was Pre-Loaded for this Date Range
17. Set Report Type to "Most Cars in Single Day"
18. Click Generate Report
    a. Expected: Report Results are Displayed