# Scenario #1: Entry Car park with Season Ticket

## Scenario Description

The customer wants to get access to a car park using a Season Ticket.

The customer interacts with the entry control pillar, inserting the season ticket.

The control pillar verifies the Season ticket to let or not let the customer get access to a car park.

## Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| Version # | Date | Author | Description |
| 0.1 | 20/09/2017 | Christopher Navarro Atarama | Initial Draft |
| 1.0 | 22/09/2017 | Christopher Navarro Atarama | Initial Version |

## Test Scripts

The following scripts will cover this scenario:

* 1.1 Incoming car get access to car park with valid season ticket
* 1.2 Incoming car cannot get access to car park due to invalid season ticket

## Use Case

* The following test covers the use case: Entry to car park with Season Ticket

## Test Components/Requirements

This test scenario covers the following high-level test requirements (see scripts below for specific requirements covered by each test script):

* The car park is open for business and all components (gates, pillars, etc.) are online and ready for operation.
* The customer has a season ticket valid / invalid.

## User Groups

* Customer with a valid Season ticket.
* Customer with an invalid Season ticket.

## Script #1.1: Entry to Car park with valid Season ticket

### Script Description

* The customer is trying to get access to a car park using a valid Season ticket. The customer inserts the ticket at the control pillar. The system validates the Season ticket. The gate is raised and the customer can enter the car park.

### Testing Requirements

This test script covers the following specific testing requirements:

* The customer must hold a Season ticket to enter the car park.
* The Season ticket is valid.

### Setup

* A Season Ticket has been issued and recorded in the system.
* The season ticket is for the car park.
* The season ticket is not in use in another car park.

### Teardown

* The season ticket is no longer valid.

### Script Steps

| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| --- | --- | --- | --- |
| 1 | Car sensor detects car | Entry controller change the state from idle to waiting |  |
| 2 | Customer insert ticket | Pillar verify season ticket usage record.  Entry pillar raise gate.  Entry controller change state to validated |  |
| 3 | Car sensor detect car entering the car park. | Change the state to entering  Change the state to entered  Pillar lower the gate |  |

### Test Execution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date/Time | Tester | Test ID | Test Phase | Status |
| 22/09/2017 | C. Navarro | 1.1A | Integration | Pass |
|  |  |  |  |  |

## Script #1.2: Entry to Car park with an invalid Season ticket

### Script Description

* The customer is trying to get access to a car park using a invalid Season ticket. The customer inserts the ticket at the control pillar. The system rejects the Season ticket. The gate stays down and the customer is unable to enter the car park.

### Testing Requirements

This test script covers the following specific testing requirements:

* The customer must hold a Season ticket to enter the car park.
* The Season ticket is invalid.

### Setup

* A Season Ticket has been issued and recorded in the system.
* The season ticket is for the car park.
* The season ticket is not in use in another car park.

### Teardown

* The season ticket is no longer valid.

### Script Steps

| **Step #** | **Test Action** | **Expected Results** | **Pass/ Fail** |
| --- | --- | --- | --- |
| 1 | Car sensor detects car | Entry controller change the state from idle to waiting |  |
| 2 | Customer insert ticket | Pillar verify season ticket usage record.  Entry controller reject the season ticket.  Entry controller change state to Blocked |  |
| 3 | Car sensor detect car leaving | Change the state to idle  Pillar gate stays low. |  |

### Test Execution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date/Time | Tester | Test ID | Test Phase | Status |
| 22/09/2017 | C. Navarro | 1.1A | Integration | Pass |
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