**Test Case Details**

1. Test Case Specification for "Test Case TestNumberField"
2. Test case 1

* Test Case ID: TC001
* Test Case Description: Test the method validateNumberField for pin and securityCode of Card
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to rent or return bike | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | number | 12345 |

Test Scenario: input number is valid

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click submit card information | submit sucessfully | As Expected | Pass |

1. Test case 2

* Test Case ID: TC002
* Test Case Description: Test the method validateNumberField for pin and securityCode of Card
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to rent or return bike | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | number | abc12 |

Test Scenario: input number is invalid

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click submit card information | Error: input number is invalid.  Submit sucessfully | As Expected | Pass |

1. Test case 3

* Test Case ID: TC003
* Test Case Description: Test the method validateNumberField for pin and securityCode of Card
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to rent or return bike | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | number | null |

Test Scenario: input number is null

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click submit card information | submit failed | As Expected | Pass |

1. Test Case Specification for "Test Case testExpirationDate"
2. Test case 1

* Test Case ID: TC004
* Test Case Description: Test the method validateExpirationDate for expiration of Card
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to rent or return bike | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | String | 11/23 |

Test Scenario: input expiredDate is valid

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click submit card information | submit sucessfully | As Expected | Pass |

1. Test case 2

* Test Case ID: TC005
* Test Case Description: Test the method validateExpirationDate for expiration of Card
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to rent or return bike | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | String | ab1/2 |

Test Scenario: input expiredDate is invalid

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click submit card information | submit sucessfully | As Expected | Pass |

1. Test case 3

* Test Case ID: TC006
* Test Case Description: Test the method validateExpirationDate for expiration of Card
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to rent or return bike | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | String | null |

Test Scenario: input expiredDate is null

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click submit card information | submit failed | As Expected | Pass |

1. Test Case Specification for "Test Case testCheckAvailableBike" to rent
2. Test case 1

* Test Case ID: TC007
* Test Case Description: Check the bike is available or not
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to rent bike | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | String | 123 |

Test Scenario: bike is not available

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click enter barcode | submit sucessfully | As Expected | Pass |

1. Test case 2

* Test Case ID: TC008
* Test Case Description: Check the bike is available or not
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to rent bike | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | String | 1238 |

Test Scenario: bike in avaiable

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click enter barcode | submit sucessfully | As Expected | Pass |

1. Test Case Specification for "Test Case testCheckAvailableRentBike" to return bike

* Test Case ID: TC009
* Test Case Description: Check the bike is available for renting or not
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to return bike | |

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | choose dock and then return bike | search sucessfully | As Expected | Pass |

1. Test Case Specification for “Test Case testAvailableBikecode”
2. Test case 1

* Test Case ID: TC0011
* Test Case Description: Check the bikecode is available or not
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to rent bike | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | String | 123 |

Test Scenario: bikecode is inavailable

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click search barcode | search sucessfully | As Expected | Pass |

1. Test case 2

* Test Case ID: TC0012
* Test Case Description: Check the bikecode is available or not
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to rent or return bike | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | String | 1234 |

Test Scenario: bikecode is avaiable

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click search barcode | search sucessfully | As Expected | Pass |

1. Test Case Specification for “Test Case testCalculateRentFee”

* Test Case ID: TC0013
* Test Case Description: Test the method CalculateRentFee
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to return bike | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | dockId | 1 |
| 2 | time | 1h |

Test Scenario: Customer rents bike in 1 hour

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click return bike | return bike sucessfully | As Expected | Pass |

1. Test Case Specification for “Test Case testGetDockByName”
2. Test case 1

* Test Case ID: TC0015
* Test Case Description: Test the method GetDockByName
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to find dock | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | String | Dock 20 |

Test Scenario: Dock is not avaiable

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click search dock | search sucessfully | As Expected | Pass |

1. Test case 2

* Test Case ID: TC0016
* Test Case Description: Test the method GetDockByName
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to find dock | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | String | Dock 1 |

Test Scenario: Dock is available

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click search dock | search sucessfully | As Expected | Pass |

1. Test Case Specification for “Test Case testGetDockByAddress”
2. Test case 1

* Test Case ID: TC0017
* Test Case Description: Test the method GetDockByAddress
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to find dock | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | String | Mall C4 |

Test Scenario: dock is available

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click search dock | search sucessfully | As Expected | Pass |

1. Test case 2

* Test Case ID: TC0018
* Test Case Description: Test the method GetDockByAddress
* Date Tested: 03/12/2021

| # | Prerequisites: | |
| --- | --- | --- |
| 1 | Customer requests to find dock | |

| # | Test data | Value |
| --- | --- | --- |
| 1 | String | Tower 3 |

Test Scenario: dock is not available

| Step # | Step Details | Expected Results | Actual Results | Pass / Fail / Not executed |
| --- | --- | --- | --- | --- |
| 1 | click search dock | search sucessfully | As Expected | Pass |