**Test Case Details**

1. **Test Case Specification for ‘BarcodePopupController’**

**ValidateBarcodeInputTest()**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Description** | **Input** | **Expected Result** | **Pass/Fail** |
| TC001 | Check format digits | 123 | 123 | Pass |
| TC002 | Check wrong format of barcode | 12345abcd | 0 | Pass |
| TC003 | Check null | null | 0 | Pass |

**ValidateGetBikeByBarcodeTest()**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Description** | **Input** | **Expected Result** | **Pass/Fail** |
| TC001 | Check Bike in DB | 188831 | 188831 | Pass |
| TC002 | Check Bike not in DB | 12345 | 0 | Pass |

1. **Test Case Specification for ‘CardFormController’**

**ValidateCardNumberTest()**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Description** | **Input** | **Expected Result** | **Pass/Fail** |
| TC001 | Check format card number | kscq1\_group18\_2021 | True | Pass |
| TC002 | Check wrong format of card number | 12345abcd | False | Pass |
| TC003 | Check null | null | False | Pass |

**ValidateCardOwnerTest()**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Description** | **Input** | **Expected Result** | **Pass/Fail** |
| TC001 | Check format UUID | Group 18 | True | Pass |
| TC002 | Check wrong format of card number | 12345-group | False | Pass |
| TC003 | Check null | null | False | Pass |

**ValidateSecurityCodeTest()**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Description** | **Input** | **Expected Result** | **Pass/Fail** |
| TC001 | Check format of CVV | 112 | True | Pass |
| TC002 | Check wrong format of CVV | 1234 | False | Pass |
| TC003 | Check wrong format of CVV | ABC | False | Pass |
| TC004 | Check null | null | False | Pass |

**ValidateExpDateTest()**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Description** | **Input** | **Expected Result** | **Pass/Fail** |
| TC001 | Check format of Exp Date | 1125 | True | Pass |
| TC002 | Check wrong format of Exp Date | 1120 | False | Pass |
| TC003 | Check wrong format of Exp Date | ABC | False | Pass |
| TC004 | Check null | null | False | Pass |

1. **Test Case Specification for ‘InvoiceScreenController’**

**CalculateReturnTest()**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Description** | **Input** | **Expected Result** | **Pass/Fail** |
| TC001 | Check amount return | Deposit = 100000  TotalFees = 20000  Return = 80000 | True | Pass |
| TC002 | Check amount return | Deposit = 100000  TotalFees = 90000  Return = 10000 | True | Pass |

1. **Test Case Specification for ‘InvoiceScreenController’**

**UtilsTest()**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Description** | **Input** | **Expected Result** | **Pass/Fail** |
| TC001 | Check minutes between times | Start time: 2021-11-12 20:00:00  End time: 2020-12-12 22:10:30 | -482269 | Pass |
| TC002 | Check minutes between times | Start time: 2018-05-19 21:11:59  End time: 2021-10-11 12:10:30 | 1786498 | Pass |