5. Test Case Details

5.1. Test Case Specification for "Test Case ValidateNumberFieldTest"

5.1.1. Test Case 1

Test Case ID	TC001	**Test Case Description**	Test the method validateNumberField for pin and securityCode of Card	
Created By	Trần Thị Hằng	**Reviewed By**	Dương Thị Huê	**Version** 1.0

QA Tester's Log Review method validateNumberField

Tester's Name	Trần Thị Hằng	**Date Tested**	28/11/2020	**Test Case** Pass

#	Prerequisites:
1	Customer requests to rent or return bike

#	Test Data	Value
1	number	3456789

Test Scenario input number is valid

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

5.1.2. Test Case 2

Test Case ID	TC002	**Test Case Description**	Test the method validateNumberField for pin and securityCode of Card	
Created By	Trần Thị Hằng	**Reviewed By**	Dương Thị Huê	**Version** 1.0

QA Tester's Log Review method validateNumberField

Tester's Name	Trần Thị Hằng	**Date Tested**	28/11/2020	**Test Case** Pass

#	Prerequisites:
1	Customer requests to rent or return bike

#	Test Data	Value
1	number	abc123

Test Scenario input number is invalid

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

5.1.3. Test Case 3

Test Case ID	TC003	**Test Case Description**	Test the method validateNumberField for pin and securityCode of Card		
Created By	Trần Thị Hằng	**Reviewed By**	Dương Thị Huê	**Version**	1.0

QA Tester's Log Review method validateNumberField

Tester's Name	Trần Thị Hằng	**Date Tested**	28/11/2020	**Test Case**	Pass

#	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 /

				Suspended
1	click submit card information	Error: input number is invalid. Submit unsuccessfully	As Expected	Pass

5.2. Test Case Specification for "Test Case ValidateNameTest"

5.2.1. Test Case 1

Test Case ID	TC004	Test Case Description	Test the method validateName for cardHolder's name and Bank's name of Card		
Created By	Trần Thị Hằng	Reviewed By	Dương Thị Huê	Version	1.0

QA Tester's Log   Review method validateName

Tester's Name	Trần Thị Hằng	Date Tested	28/11/2020	Test Case	Pass

#	Prerequisites:
1	Customer requests to rent or return bike

#	Test Data	Value
1	name	Tran Thi Hang

Test Scenario   input name is valid

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

5.2.2. Test Case 2

Test Case ID	TC005	Test Case Description	Test the method validateName for cardHolder's name and Bank's name of Card		
Created By	Trần Thị Hằng	Reviewed By	Dương Thị Huê	Version	1.0

Tester's Name	Trần Thị Hằng	**Date Tested**	28/11/2020	**Test Case**	Pass

#	Prerequisites:
1	Customer requests to rent or return bike

#	Test Data	Value
1	name	Vietcombank01234

Test Scenario   input name is invalid

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit card information	Error: input name is invalid. Submit unsuccessfully	As Expected	Pass

5.2.3. Test Case 3

Test Case ID	TC006	**Test Case Description**	Test the method validateName for cardHolder's name and Bank's name of Card		
Created By	Trần Thị Hằng	**Reviewed By**	Dương Thị Huê	**Version**	1.0

QA Tester's Log   Review method validateName

Tester's Name	Trần Thị Hằng	**Date Tested**	28/11/2020	**Test Case**	Pass

#	Prerequisites:
1	Customer requests to rent or return bike

#	Test Data	Value
1	name	$#nguyen

input name is invalid

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit card information	Error: input name is invalid. Submit unsuccessfully	As Expected	Pass

5.2.4. Test Case 4

Test Case ID	TC007	**Test Case Description**	Test the method validateName for cardHolder's name		
Created By	Trần Thị Hằng	**Reviewed By**	Dương Thị Huê	**Version**	1.0

QA Tester's Log   Review method validateName

Tester's Name	Trần Thị Hằng	**Date Tested**	28/11/2020	**Test Case**	Pass

#	Prerequisites:
1	Customer requests to rent or return bike

#	Test Data	Value
1	name	null

Test Scenario   input name is null

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit card information	Error: input name is invalid. Submit unsuccessfully	As Expected	Pass

5.3. Test Case Specification for "Test Case ValidateExpirationDateTest"

5.3.1. Test Case 1

Test Case ID	TC008	Test Case Description	Test the method validateExpirationDate for expiration of Card		
Created By	Trần Thị Hằng	Reviewed By	Dương Thị Huê	Version	1.0

QA Tester's Log Review method validateExpirationDate

Tester's Name	Trần Thị Hằng	Date Tested	28/11/2020	Test Case	Pass

#	Prerequisites:
1	Customer requests to rent or return bike

#	Test Data	Value
1	date	3/12/2007

Test Scenario input date is before current time

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit card information	Error: input date is invalid. Submit unsuccessfully	As Expected	Pass

5.3.2. Test Case 2

Test Case ID	TC009	Test Case Description	Test the method validateExpirationDate for expiration		
Created By	Trần Thị Hằng	Reviewed By	Dương Thị Huê	Version	1.0

QA Tester's Log Review method validateExpirationDate

Tester's Name	Trần Thị Hằng	Date Tested	28/11/2020	Test Case	Pass
#	Prerequisites:				
1	Customer requests to rent or return bike				

#	Test Data	Value
1	date	30/12/2020

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

5.3.3. Test Case 3

Test Case ID	TC010	**Test Case Description**	Test the method validateExpirationDate for expiration
Created By	Trần Thị Hằng	**Reviewed By**	Dương Thị Huê

Version 1.0

QA Tester's Log   Review method validateExpirationDate

Tester's Name	Trần Thị Hằng	**Date Tested**	28/11/2020	**Test Case**	Pass

#	Prerequisites:
1	Customer requests to rent or return bike

#	Test Data	Value
1	date	abc

Test Scenario   input date is invalid (wrong format)

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit card information	Error: input date is invalid. Submit unsuccessfully	As Expected	Pass

5.3.4. Test Case 4

Test Case ID	TC011	**Test Case Description**	Test the method validateExpirationDate for expiration
Created By	Trần Thị Hằng	**Reviewed By**	Dương Thị Huê

Version 1.0

QA Tester's Log	Review method validateExpirationDate

Tester's Name	Trần Thị Hằng	Date Tested	28/11/2020	Test Case	Pass

#	Prerequisites:
1	Customer requests to rent or return bike

#	Test Data	Value
1	date	null

Test Scenario	input date is null

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit card information	Error: input date is invalid. Submit unsuccessfully	As Expected	Pass

5.4. Test Case Specification for "Test Case checkAvailableBike" to rent

Test Case ID	TC0012	Test Case Description	check the bike is available for renting or not		
Created By	Dương Thị Huê	Reviewed By	Trần Thị Hằng	Version	1.0

QA Tester's Log	Review method checkAvailableBike

Tester's Name	Dương Thị Huê	Date Tested	28/11/2020	Test Case (Pass/Fail /Not Executed)	Pass

#	Prerequisites:
1	Customer requests to rent bike

#	Test Data	Value
1	renting	TRUE
2	renting	FALSE

Test Scenario

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit barcode to rent	TRUE	As Expected	Pass

#	Test Data	Value
2	renting	FALSE

Test Scenario

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit barcode to rent	FALSE	As Expected	Pass

5.5. Test Case Specification for "Test Case checkStationReturnBike" to renturn

Test Case ID	TC0013	Test Case Description	check the station have empty dock point or not		
Created By	Dương Thị Huê	Reviewed By	Trần Thị Hằng	**Version**	1.0

QA Tester's Log	Review method checkStationReturnBike

Tester's Name	Dương Thị Huê		**Date Tested**	28/11/2020	**Test Case (Pass/Fail /Not Executed)** Pass

#	Prerequisites:
1	Customer request to renturn bike

#	Test Data	Value
1	numEmptyDockPoint	15

Test Scenario

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit to return bike in	TRUE	As Expected	Pass

#	Test Data	Value
2	numEmptyDockPoint	0

Test Scenario

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit to return bike in	FALSE	As Expected	Pass

#	Test Data	Value
2	numEmptyDockPoint	-1

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit to return bike in	FALSE	As Expected	Pass

5.6. Test Case Specification for Test Case "ValidateBarcodeTest"

5.6.1. Test Case 1

Test Case ID	TC014	Test Case Description	Test the method validateBarcode		
Created By	Phạm Nhật Linh	Reviewed By	Đỗ Minh Thông	Version	1.0

QA Tester's Log	Review method validateBarcode

Tester's Name	Phạm Nhật Linh	Date Tested	27/11/2020	Test Case (Pass/Fail /Not Executed)	Pass

#	Prerequisites:
1	Customer enters bike barcode to rent bike

#	Test Data	Value
1	barcode	null

Test Scenario   input barcode is null

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit bike barcode	Error: Invalid Barcode	As Expected	Pass

5.6.2. Test Case 2

Test Case ID	TC015	Test Case Description		Test the method validateBarcode		
Created By	Phạm Nhật Linh	Reviewed By		Đỗ Minh Thông	Version	1.0

QA Tester's Log Review method validateBarcode

Tester's Name	Phạm Nhật Linh	Date Tested	27/11/2020	Test Case (Pass/Fail /Not Executed)	Pass

#	Prerequisites:
1	Customer enters bike barcode to rent bike

#	Test Data	Value
1	barcode	asbasced

Test Scenario input barcode has more than 6 characters

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit bike barcode	Error: Invalid Barcode	As Expected	Pass

5.6.3. Test Case 3

Test Case ID	TC016	Test Case Description		Test the method validateBarcode		
Created By	Phạm Nhật Linh	Reviewed By		Đỗ Minh Thông	Version	1.0

QA Tester's Log Review method validateBarcode

Tester's Name	Phạm Nhật Linh	Date Tested	27/11/2020	Test Case (Pass/Fail /Not Executed)	Pass

#	Prerequisites:
1	Customer enters bike barcode to rent bike

#	Test Data	Value
1	barcode	12ab@#

Test Scenario   input barcode has invalid character

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit bike barcode	Error: Invalid Barcode	As Expected	Pass

5.6.4. Test Case 4

Test Case ID	TC017	Test Case Description	Test the method validateBarcode		
Created By	Phạm Nhật Linh	Reviewed By	Đỗ Minh Thông	Version	1.0

QA Tester's Log   Review method validateBarcode

Tester's Name	Phạm Nhật Linh	Date Tested	27/11/2020	Test Case (Pass/Fail /Not Executed)	Pass

#	Prerequisites:

1	Customer enters bike barcode to rent bike

#	Test Data	Value
1	barcode	1a2b3c

Test Scenario   input barcode has 6 characters, each one is a letter or a digit

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click submit bike barcode	Valid Barcode	As Expected	Pass

5.7. Test Case Specification for Test Case "CheckRentingBike"
5.7.1. Test Case 1

Test Case ID	TC018	**Test Case Description**	Test the method checkRentingBike		
Created By	Phạm Nhật Linh	**Reviewed By**	Đỗ Minh Thông	**Version**	1.0

QA Tester's Log   Review method checkRentingBike

Tester's Name	Phạm Nhật Linh	**Date Tested**	27/11/2020	**Test Case (Pass/Fail /Not Executed)**	Pass

#	Prerequisites:
1	Customer wants to return bike

#	Test Data	Value
1	bike's station	null

Test Scenario   the renting bike has null station

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	check renting bike's station	Valid bike to return	As Expected	Pass

5.7.2. Test Case 2

Test Case ID	TC019	**Test Case Description**	Test the method checkRentingBike	
Created By	Phạm Nhật Linh	**Reviewed By**	Đỗ Minh Thông	**Version** 1.0

QA Tester's Log Review method checkRentingBike

Tester's Name	Phạm Nhật Linh	**Date Tested**	27/11/2020	**Test Case (Pass/Fail /Not Executed)** Pass

#	Prerequisites:
1	Customer wants to return bike

#	Test Data	Value
1	bike's station	Truong Dinh

Test Scenario the renting bike has station named "Truong Dinh"

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	check renting bike's station	Invalid bike to return	As Expected	Pass