

## 5. Test Case

### 5.1. Test Case

Test Case ID	TC001	Test Case Description	Test creation of a set of	Version
Created By	chauntm	Reviewed By		

#### QA Tester's Log

Tester's Name	chauntm	Date Tested	Test Case
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#	Prerequisites:

#	Test Data	Value
1	Bike name	ABC, A BC, A?BC, null
2	Bike type	normal, nor-mal, nor?mal null
3	Barcode	laksjfhbg/alkjfhg, null,
4	Bike rental price	10, 0, -1
5	deposit	10, 0, -1
6	currency	VND
7	create date	12/03/2021, 12/6a/2021

#### Test Scenario Initialization

Step #	Step Details	Expected Results	Actual Results	Pass / Fail
1	Read information from a predefined sheet/set of data	Creation successfully or throws corresponding error	As Expected	Pass

Test Case ID	TC002	Test Case Description	Test finding information	Version
Created By	chauntm	Reviewed By		

**QA Tester's Log**

**Tester's Name** chauntm **Date Tested** **Test Case**

#	Prerequisites:
1	Have a predefined list of bike, including 2 bike with barcode ABC-123 and ABC-124
2	The controller has been initialized

#	Test Data	Value
1	Bike barcode	ABC-123, ABC-124

**Test Scenario**

Step #	Step Details	Expected Results	Actual Results	Pass / Fail
1	Enter a barcode	Return barcode information, or empty string if not found	As Expected	Pass

**5.2. Test Case**

**Test Case ID** TC005 **Test Case Description** Check validity of credit card  
**Created By** duong **Reviewed By** **Version**

**QA Tester's Log**

**Tester's Name** duong **Date Tested** Tháng Mười Hai 4, 2000 **Test Case**

#	Prerequisites:
1	

#	Test Data	Value
1	card number	0123456789, 0123, 01ab45, 012345678m, null
2	card holder name	Duong, John R. Ewing, Duo?ng, null

3	issue bank	VCB, ACB, VietinBank, 0123, null
4	expiration date	09/25, 09-25, a9/25, a9--25, null
5	card security code	123, 1234, a123, a12, 12345, a12345, null

**Test Scenario** Verify on entering valid userid and password, the customer can login

Step #	Step Details	Expected Results	Actual Results	Pass / Fail
1	Read information from payment method screen	Confirm payment method successfully	As Expected	Pass

### 5.3. Test Case

<b>Test Case ID</b>	TC003	<b>Test Case Description</b>	Test calculate fee method	<b>Version</b>
<b>Created By</b>	longnt	<b>Reviewed By</b>		

### QA Tester's Log

<b>Tester's Name</b>	longnt	<b>Date Tested</b>	<b>Test Case</b>
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#	Prerequisites:
1	A set of bikes which are being rent

#	Test Data	Value
1	deposit	100000, 150000
2	renting time	0, 10, 11, 60
3	bike type	STANDARDBIKE, STANDARDEBIKE, TWINBIKE

**Test Scenario** Verify on call calculateFee

Step #	Step Details	Expected Results	Actual Results	Pass / Fail
1	Call calculateFee method on a set of predefined bikes	Float: renting fee	As Expected	Pass

#### 5.4. Test Case

Test Case ID	TC004	Test Case Description	Test check have to pay	Version
Created By	longnt	Reviewed By		

#### QA Tester's Log

Tester's Name	longnt	Date Tested	Test Case
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#	Prerequisites:
1	A set of bikes which are being rent

#	Test Data	Value
1	renting time	0, 10, 11, 60

Test Scenario Verify on call

Step #	Step Details	Expected Results	Actual Results	Pass / Fail
1	Call checkHaveToPayOrNot method on a set of predefined	Boolean: have to pay or not	As Expected	Pass

#### 5.4. Test Case

Test Case ID	TC010	Test Case Description	User begin steps to rent a	Version
Created By	chauntm	Reviewed By		

#### QA Tester's Log

Tester's Name	chauntm	Date Tested	Test Case
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#	Prerequisites:
1	User entered application

#	Test Data	Value
1		

#### Test Scenario

Step #	Step Details	Expected Results	Actual Results	Pass / Fail
1	User select a dock on the map	Application display dock information and list bike in dock	As Expected	Pass
2	User select a bike in list bike	Application display bike information and allow for rental	As Expected	Pass
3	User select to rent bike	Application display bike deposit information and form for filling in card information	As Expected	Pass
4	User select to deposit	Application perform transaction, show notification if successful and return to bike information screen, or failed if the transaction fail and stays in the input page	As Expected	Pass

#### 5.4. Test Case

Test Case ID  
Created By

TC0006  
chauntm

Test Case Description  
Reviewed By

User begin steps to

Version

#### QA Tester's Log

Tester's Name

chauntm

Date Tested

Test Case

#	Prerequisites:
1	

#	Test Data	Value
1		

#### Test Scenario

Step #	Step Details	Expected Results	Actual Results	Pass / Fail
1	User select a dock on the map	Application display dock information and return bike button if the dock is available for return bike	As Expected	Pass
2	User select to return bike	Application display list bike to return	As Expected	Pass
3	User select a bike to return	Application display rental information and form for filling in card details for payment	As Expected	Pass
4	User select to pay	Application perform transaction, show notification if successful and return to bike information screen, or failed if the transaction fail and stays in the input page	As Expected	Pass

5	User select a bike	Application display bike information and return bike button if the bike is currently rented	As Expected	Pass
6	User select to return bike	Application display list dock to return	As Expected	Pass
7	User select a dock to return	Application display rental information and form for filling in card details for payment	As Expected	Pass
8	User select to pay	Application perform transaction, show notification if successful and return to bike information screen, or failed if the transaction fail and stays in the input page	As Expected	Pass

#### 5.4. Test Case

**Test Case ID** TC0007  
**Created By** chauntm

**Test Case Description** User search for a bike by  
**Reviewed By**

**Version**

#### QA Tester's Log

**Tester's Name** chauntm

**Date Tested**

**Test Case**

#	Prerequisites:
1	There must be bike dataset in the system

#	Test Data	Value
1	Bike name	Thong Nhat, Thong Nhat 123, tHoNg Nhat 123, Eco

#### Test Scenario

Step #	Step Details	Expected Results	Actual Results	Pass / Fail
1	User type in keyword and select to search for bike	Application display search results if available, error notification if failed	Cannot handle cases when there are more than 1 result; error displayed when there are no result	Fail

#### 5.4. Test Case

Test Case ID	TC0008	Test Case Description	User search for a dock by	Version
Created By	chauntm	Reviewed By		

#### QA Tester's Log

Tester's Name	chauntm	Date Tested	Test Case
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#	Prerequisites:
1	There must be dock dataset in the system

#	Test Data	Value
1	Dock name	Giai Phong, glai Phong, Giai Phong Station, Dong Da

#### Test Scenario

Step #	Step Details	Expected Results	Actual Results	Pass / Fail
1	User type in keyword and select to search for dock	Application display search results if available, error notification if failed	Cannot handle cases when there are more than 1 result; error displayed when there are no result	Fail



#### 5.4. Test Case

**Test Case ID** TC0009  
**Created By** chauntm

**Test Case Description** Performing transaction  
**Reviewed By**

**Version**

#### QA Tester's Log

**Tester's Name** chauntm

**Date Tested**

**Test Case**

#	Prerequisites:
1	User are in the pay deposit/pay rental stage

#	Test Data	Value
1	Cardholder name	group 6, Group 6, name
2	Card number	ict_group6_2021, ict_2021
3	Card security code	936, 935, *123
4	Date	11/25, 11/26, 1222

#### Test Scenario

Step #	Step Details	Expected Results	Actual Results	Pass / Fail
1	User type in the information and send request	The application display successful message if the transaction is successful, error notification otherwise	As expected	Pass

1.0

Pass

Fail / Not executed / Suspended

1.0

Pass

Fail / Not executed / Suspended

1.0

Pass

Fail / Not executed / Suspended

1.0

Pass

Fail / Not executed / Suspended

1.0

Pass

Fail / Not executed / Suspended

1.0

Pass

ail / Not executed / Suspended

1.0

Pass

ail / Not executed / Suspended


1.0

Pass



Fail / Not executed / Suspended

1.0

Pass

Fail / Not executed / Suspended

1.0

Pass

Fail / Not executed / Suspended