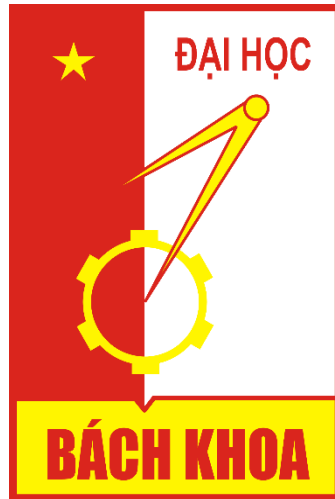# HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY
School of Information and communications technology

Test Plan - *version 1.0*

Ecobike Rental
Subject: Phát triển phần mềm theo chuẩn kỹ năng ITSS

ISD.VN.20211-Group2

Vũ Văn Long - 20184146
Trần Xuân Trường - 20184:
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Hanoi, December 6th, 2021

5. Test Case Details

5.1. Test Case Specification for "Test Case Validate Barcode"

Test Case ID	TC011	Test Case Description	Test the		
Created By	Vũ Văn Long	Reviewed By	Trần Xuân Trường	Version	1.0

QA Tester's Log	Review method validateBarcode

Tester's Name	Vũ Văn Long	Date Tested	December 5, 2021	Test Case	Pass

#	Prerequisites:
1	Customer clicked viewbike
2	

#	Test Data	Value
1	Barcode	1234567890123

Test Scenario	Verify on entering valid barcode, the customer can view bike information

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Click view bike	display bike info screen	As Expected	Pass

Test Case ID	TC012	Test Case Description	Test the method validateBarcode for barcode		
Created By	Vũ Văn Long	Reviewed By	Trần Xuân Trường	Version	1.0

QA Tester's Log	Review method validateBarcode

Tester's Name	Vũ Văn Long	Date Tested	December 5, 2021	Test Case	Pass

#	Prerequisites:
1	Customer clicked viewbike

#	Test Data	Value
1	Barcode	1234567890

Test Scenario	Verify on entering invalid barcode, the notify alert display and customer enter barcode again

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	Click view bike	display notify alert	As Expected	Pass
1				

5.2. Test Case Specification for "Test Case Validate CreditCard Information"

Test Case ID	TC021	Test Case Description	Test the method validateCreditCardÌInfo for Customer card informa		
Created By	Vũ Văn Long	Reviewed By	Trần Xuân Trường	Version	1.0

QA Tester's Log	Review method validateCreditCardInfo

Tester's Name	Vũ Văn Long	Date Tested	May 12, 2021	Test Case (Pass/Fail/Not Executed)	Pass

#	Prerequisites:
1	Customer enterd card info
2	

#	Test Data	Value
1	expiredDate	11/25
2	cvvCode	774
3		

Test Scenario	Verify on entering valid expired date and cvvCode format, the customer pay deposit

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click continue	dissplay confirm screen	As Expected	Pass

Test Case ID	TC022	Test Case Description	Test the method validateCreditCardÌInfo for Customer card informa		
Created By	Vũ Văn Long	Reviewed By	Trần Xuân Trường	Version	1.0

QA Tester's Log	Review method validateCreditCardInfo

Tester's Name	Vũ Văn Long	Date Tested	May 12, 2021	Test Case (Pass/Fail/Not Executed)	Pass

#	Prerequisites:
1	Customer enterd card info
2	

#	Test Data	Value
1	expiredDate	13/25
2	cvvCode	774
3		

Test Scenario   Verify on entering invalid expired date and cvvCode format, customer can't confirm and pay deposit

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click continue	display notify alert	As Expected	Pass

5.3. Test Case Specification for "Pay Deposit"

Test Case ID	TC031	Test Case Description	Test the method paydeposit		
Created By	Vũ Văn Long	Reviewed By	Mai Hoàng Minh	Version	1.0

QA Tester's Log   Review method pay deposit

Tester's Name	Vũ Văn Long	Date Tested	December 30, 2021	Test Case (Pass/Fail/Not Executed)	Pass

#	Prerequisites:
1	Credit Card info is valid
2	

#	Test Data	Value
1	CreditCard	CreditCard("Group
2	amount	100000

3	content	abcxyz

Test Scenario   method create request, send to interbank and receive response errorcode 00 that mean pay deposit is success

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click confirm	display alert notify success	As Expected	Pass

Test Case ID	TC032	Test Case Description	Test the method paydeposit		
Created By	Vũ Văn Long	Reviewed By	Mai Hoàng Minh	Version	1.0

QA Tester's Log   Review method pay deposit

Tester's Name	Vũ Văn Long	Date Tested	December 30, 2021	Test Case (Pass/Fail/Not Executed)	Pass

#	Prerequisites:
1	Credit Card info is valid
2	

#	Test Data	Value
1	CreditCard	CreditCard("Group
2	amount	100000
3	content	abcxyz

Test Scenario   method create request, send to interbank and receive response errorcode 01 that mean invalid card

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click confirm	display alert notify invalid card	As Expected	Pass

Test Case ID	TC033	Test Case Description	Test the method paydeposit		
Created By	Vũ Văn Long	Reviewed By	Mai Hoàng Minh	Version	1.0

Tester's Name	Vũ Văn Long	**Date Tested**	December 30, 2021	**Test Case (Pass/Fail/Not Executed)**	Pass

#	**Prerequisites:**
1	Credit Card info is valid
2	

#	**Test Data**	**Value**
1	CreditCard	CreditCard("Group
2	amount	100000000
3	content	abcxyz

Test Scenario   method create request, send to interbank and receive response errorcode 02 that mean balance not enough

Step #	**Step Details**	**Expected Results**	**Actual Results**	**Pass / Fail / Not executed / Suspended**
1	click confirm	display alert notify balance not	As Expected	Pass

Test Case ID	TC034	**Test Case Description**		Test the method paydeposit	
Created By	Vũ Văn Long	**Reviewed By**		Mai Hoàng Minh	**Version** 1.0

Tester's Name	Vũ Văn Long	**Date Tested**	December 30, 2021	**Test Case (Pass/Fail/Not Executed)**	Pass

#	**Prerequisites:**
1	Credit Card info is valid
2	

#	**Test Data**	**Value**

1	CreditCard	CreditCard("Group
2	amount	100000000
3	content	abcxyz

Test Scenario   method create request, send to interbank and receive response errorcode 03 that mean server error

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click confirm	display alert notify server error	As Expected	fail

Test Case ID	TC035	Test Case Description	Test the method paydeposit		
Created By	Vũ Văn Long	Reviewed By	Mai Hoàng Minh	Version	1.0

QA Tester's Log   Review method pay deposit

Tester's Name	Vũ Văn Long	Date Tested	December 30, 2021	Test Case (Pass/Fail/Not Executed)	Pass

#	Prerequisites:
1	Credit Card info is valid
2	

#	Test Data	Value		
1	CreditCard	CreditCard("Group		create request with hashcode incorrect
2	amount	100000000		
3	content	abcxyz		

Test Scenario   method create request, send to interbank and receive response errorcode 04 that mean suspected fraudulent transaction

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click confirm	display alert notify suspected	As Expected	pass

Test Case ID	TC036	Test Case Description	e method paydeposit

Created By	Vũ Văn Long	Reviewed By	Mai Hoàng Minh	Version	1.0

QA Tester's Log   Review method pay deposit

Tester's Name	Vũ Văn Long	Date Tested	December 30, 2021	Test Case (Pass/Fail/Not Executed)	Pass

#	Prerequisites:
1	Credit Card info is valid
2	

#	Test Data	Value
1	CreditCard	CreditCard("Group
2	amount	100000000
3	content	

Test Scenario   method create request, send to interbank and receive response errorcode 05 that mean not enough transaction information

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click confirm	display alert notify not enough	As Expected	Pass

Test Case ID	TC037	Test Case Description	method paydeposit		
Created By	Vũ Văn Long	Reviewed By	Mai Hoàng Minh	Version	1.0

QA Tester's Log   Review method pay deposit

Tester's Name	Vũ Văn Long	Date Tested	December 30, 2021	Test Case (Pass/Fail/Not Executed)	Pass

#	Prerequisites:
1	Credit Card info is valid
2	

#	Test Data	Value	
1	CreditCard	CreditCard("Group	
2	amount	100000000	
3	content	abcxyz	

Test Scenario — method create request, send to interbank and receive response errorcode 06 that mean request hasn't version info

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click confirm	display alert notify request hasn't	As Expected	Pass

Test Case ID	TC038	Test Case Description	Test the method paydeposit		
Created By	Vũ Văn Long	Reviewed By	Mai Hoàng Minh	Version	1.0

QA Tester's Log — Review method pay deposit

Tester's Name	Vũ Văn Long	Date Tested	December 30, 2021	Test Case (Pass/Fail/Not Executed)	Pass

#	Prerequisites:
1	Credit Card info is valid
2	

#	Test Data	Value
1	CreditCard	CreditCard("Group
2	amount	
3	content	abcxyz

Test Scenario — method create request, send to interbank and receive response errorcode 07 that mean amount invalid

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click confirm	display alert notify amount invalid	As Expected	Pass

5.4. Test Case Specification for "Calculate rental fees"

Test Case ID	TC041	Test Case Description	Test the method processRentalTime		
Created By	Vũ Văn Long	Reviewed By	Mai Hoàng Minh	Version	1.0

QA Tester's Log	Review method pay deposit				
Tester's Name	Vũ Văn Long	Date Tested	December 30, 2021	Test Case (Pass/Fail/Not Executed)	Pass

#	Prerequisites:
1	customer return bike
2	

#	Test Data	Value
1	RentalTime	1:21:22

Test Scenario — convert time to minutes

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click return bike	82	As Expected	Pass

Test Case ID	TC042	Test Case Description	Test the method calculateRentalFees		
Created By	Vũ Văn Long	Reviewed By	Mai Hoàng Minh	Version	1.0

QA Tester's Log	Review method pay deposit				
Tester's Name	Vũ Văn Long	Date Tested	December 30, 2021	Test Case (Pass/Fail/Not Executed)	Pass

#	Prerequisites:
1	customer return bike
2	

#	Test Data	Value

1	RentalTime	1:21:22

Test Scenario calculate with time >30 minutes

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click return bike	22000	As Expected	Pass

Test Case ID	TC043	Test Case Description	Test the method calculateRentalFees		
Created By	Vũ Văn Long	Reviewed By	Mai Hoàng Minh	Version	1.0

QA Tester's Log Review method pay deposit

Tester's Name	Vũ Văn Long	Date Tested	December 30, 2021	Test Case (Pass/Fail/Not Executed)	Pass

#	Prerequisites:
1	customer return bike
2	

#	Test Data	Value
1	RentalTime	00:21:22

Test Scenario calculate with 10 minurtes<time <30 minutes

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click return bike	10000	As Expected	Pass

Test Case ID	TC044	Test Case Description	Test the method calculateRentalFees		
Created By	Vũ Văn Long	Reviewed By	Mai Hoàng Minh	Version	1.0

QA Tester's Log Review method pay deposit

Tester's Name	Vũ Văn Long	Date Tested	December 30, 2021	Test Case (Pass/Fail/Not Executed)	Pass

#	Prerequisites:
1	customer return bike
2	

#	Test Data	Value
1	RentalTime	00:09:22

Test Scenario   calculate with time <10 minutes

Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended
1	click return bike	0	As Expected	Pass