

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

PERSONAL REPORT

EcoBikeRental ITSS Software Development

Group Number: 6

Member name: Dang Viet Anh

Member ID: 20176686

Assistant Lecturer: PhD. Trinh Tuan Dat

Hanoi, December, 2020

- **Table of contents**

Table of contents.....	1
1 Introduction.....	2
2 Overall Description.....	3
3 Contribution Detail.....	14

- **Introduction**

This report demonstrates my contributions to project 'EcoBikeRental'.

• Overall Description

In the EcoBikeRental project, I am assigned use case “AdminDockStation”.

I’m also responsible for these tasks:

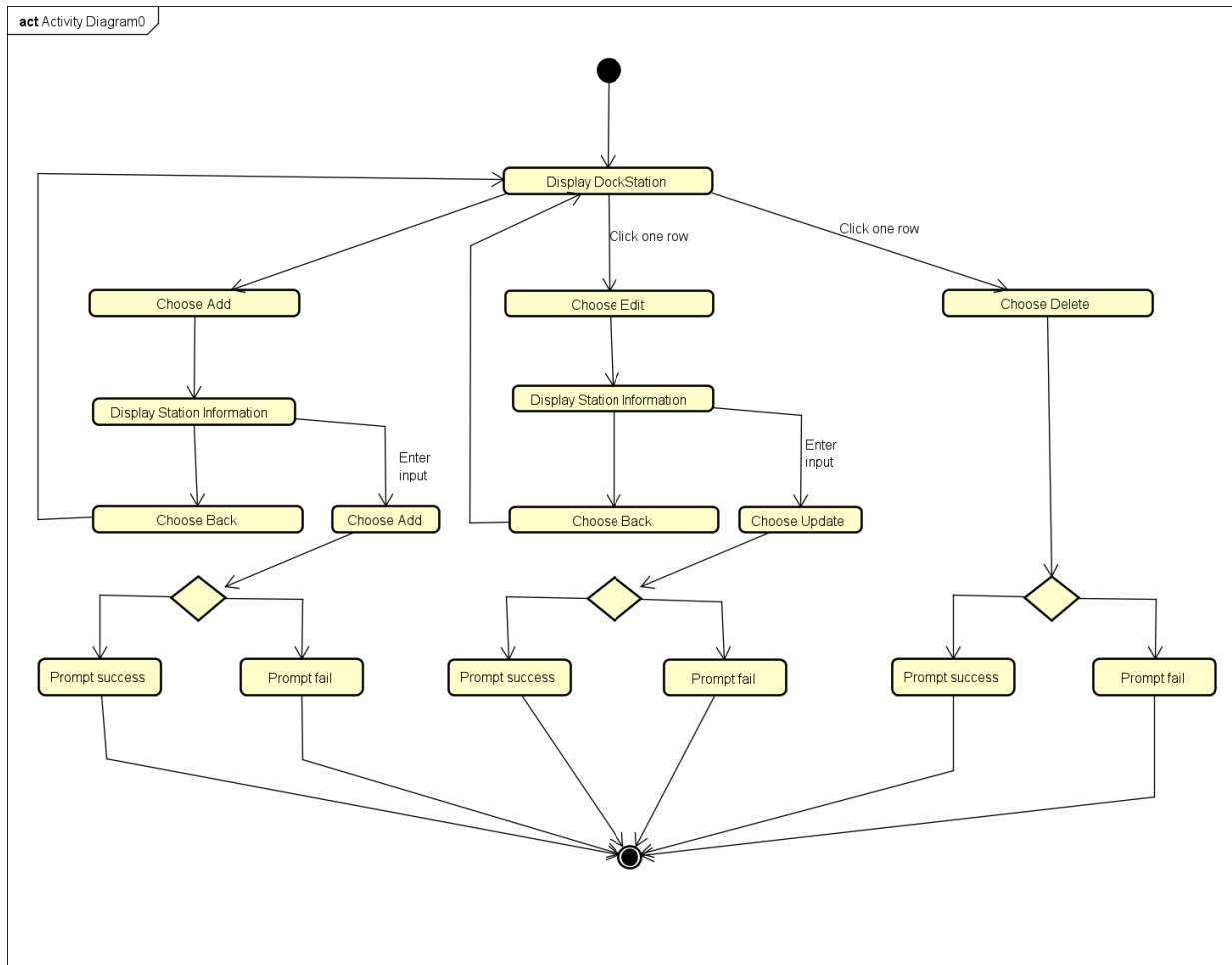
- Design, develop, test logic and UI for above use case
- Develop the Admin Station Interface for its phase.
- Design and maintain the database.

2.1 Use case specification:

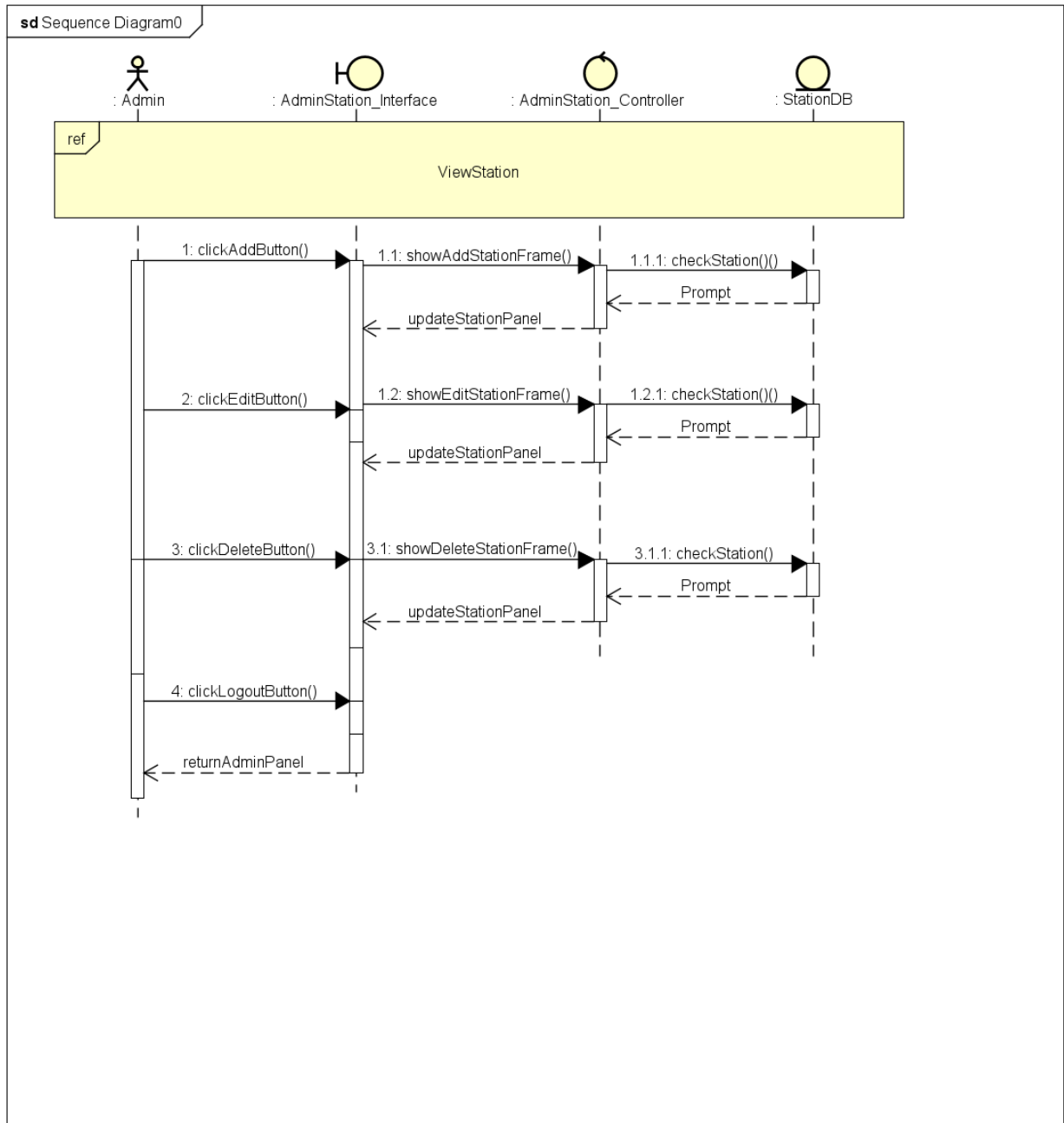
Use case ID	UC001	Use case name	AdminDockStation
Actors	Admin, System		
Pre-Condition(s)	- Admin account must be on the system - Admin has modified access right.		
Basic Path (Success)	No	Proceeded by	Actions
	1	Admin	Choose ‘Add’
	2	System	Displays ‘AddDockStation’ interface
	3	Admin	Enters inputs for adding new station to DB
	4	System	Checks inputs for adding(name and address can’t be both same one’s)
	5	System	Updates new station to DB
	6	System	Prompts “Success to add!” and displays admin panel
	7	Admin	Clicks row and chooses ‘Edit’
	8	System	Displays ‘EditDockStation’ interface
	9	Admin	Enters inputs for editing station in DB
	10	System	Checks input for editing(name and address can’t be both same one’s)
	11	System	Updates station to DB

	12	System	Prompts "Success to update!" and displays admin panel
	13	Admin	Clicks row and chooses 'Delete'
	14	System	Checks input for deleting(check whether have bike or not)
	15	System	Updates DB with deleting
	16	System	Prompts "Success to delete!" and displays admin panel
Alternative Paths	No	Proceeded by	Actions
	5a	System	Can't add new station
	6a	System	Error prompt: "Fail to add!"
	11a	System	Can't update station in DB
	12a	System	Error prompt: "Fail to update!"
	15a	System	Can't delete station in DB
	16a	System	Error prompt: "Cannot delete, this station has bikes!"
Post-Condition(s)	- Admin proceeds modifying successfully. - System save the current modification and update to DB		

2.2 Activity diagram for use case "AddDockStation"



2.3 Sequence diagram for use case “AddDockStation”



2.4 AdminDockStation UI

Bikes

Stations

Dock station

ID	Name	Address	Total_dock
1	Station-1	1 Dai Co Viet, Hai Ba Trung, Ha Noi	15
2	Station-2	210 Xa Dan, Dong Da, Ha Noi	20
3	Station-3	123 Duong Lang, Dong Da, Ha Noi	20
4	Station-4	56 Xuan Thuy, Cau Giay, Ha Noi	16
5	Station-5	40 Nguyen Trai, Thanh Xuan, Ha Noi	18
6	ASD	ASD	12
7	ASD	SDA	12
8	Station-8	286 Nguyen Xien, Ha Noi	14

Log out

Deleted

Edit

Add

Station Information

ID:

8

Name:

Station-8

Address:

286 Nguyen Xien, Ha Noi

Total_dock:

14

Back

Add

EcoBikeRental App

Station Information

ID:

Name:

Address:

Total_dock:

2.5 Class Diagram

Tester's Name	Dang Viet Anh	Date Tested	25/12/2020	Test Case (Pass/Fail/Not Executed)	Pass	
#	Prerequisites:					
1	The program is running.					
2	Admin enter word in TextField for searching					
#	Test Data	Value				
1	StationName	Station				
Test Scenario	Verify on entering different keywords for StationName and show satisfied list of station into Panel					
Step #	Step Details	Expected Results	Actual Results	Pass / Fail / Not executed / Suspended		
1	Use the program and go to Admin Panel	AdminDockStation Interface should appear	As expected	Pass		
2	Enter StationName:Station	List of station having StationName contain "Station"	As expected	Pass		
3	Enter StationName:Station-2	List of station having StationName contain "Station-2"	As expected	Pass		

<u>4</u>	<u>Enter</u> <u>StationName:ha</u> <u>haha</u>	<u>List of station</u> <u>having</u> <u>StationName</u> <u>contain</u> <u>"hahaha"</u>	<u>As expected</u>	<u>Pass</u>

- **Contribution Detail**

3.1 Condition for each case

Requirement:

- Should have condition to proceed with functions

Solution

- Discuss with team members to give more ideal

3.2 Database design

Requirement:

- Always has general Panels for DB from modifying in some same function

Solution

- Discuss with team members to make unification

3.3 AdminDockStation Interface

Requirement:

- Should be integrated seamlessly into the system.
- UI must display enough and correct information.

Solution

- Discuss with team members and design based on general template.