



Capstone Project Document

# Carrier Trading Center

Final Report

Carrier Trading Center		
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## Record of change

\*A - Added M - Modified D – Deleted

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## 1 INTRODUCTION

### 1.1 Introduction

#### 1.1.1 Purpose

This document is created as the introduction for project Carrier Trading Center – our Capstone Project at FPT University. In this document, we will describe the overview of some existing systems, the initial idea for our project, a brief description about our expected system and some potential risks, critical assumptions, constraints. Moreover, this document also shows opportunities that it offers to users.

#### 1.1.2 Acronyms and Definitions

Acronym & Abbreviation	Definition
CTC	Carrier Trading Center
FPTU	FPT University
Q&A	Question and Answer
Goods Owner	Everyone who has account and accessed into Carrier Trading Center Website to register bill of lading.
Carrier	Everyone who has account and accessed into Carrier Trading Center Website to auction bill of lading.
Guest	Everyone who does not have account and accessed into the websites.
Administrator	A person who has the highest permission level and is responsible for managing the website

Table 1.1-1: Definitions and Acronyms

### 1.2 Abstract

In fact, in nowadays, when the business of carriage, with two-ways carriage especially, there is a high rate of empty trucks on return; it leads to low economic efficiency. Therefore, we create this software to resolve the problem. Our software which supports driver participates in an auction to transport cargo. Someone who interested in carriage will be served with the cheapest fee as possible and drivers will not return on the empty trucks. Our software is a transport trading floor on internet. The owner of goods can post their cargo, ceiling fee,....on the trading floor and the drivers or transportation company can joint in the bidding. This is beneficial for both sides. We hope our software not only improve the economic efficiency but also the social life.

### 1.3 Literature review

There are some applications or websites have worked about this subject. You can post an article to looking for transport service or searching someone who have demand on carriage. For example: <http://sanvanchuyen.vn/>

“Sanvanchuyen.vn” is a social networking website which connects the owner of goods and carrier.

- Advantages:
  - User can post bill of lading very quickly.
  - Finding partner easily.
  - User can use system free.
  - Carrier can auction bill of lading in system

- Disadvantages:
  - There is no reliable verified information
  - It is difficult to auction.

### Sanvanchuyen.vn

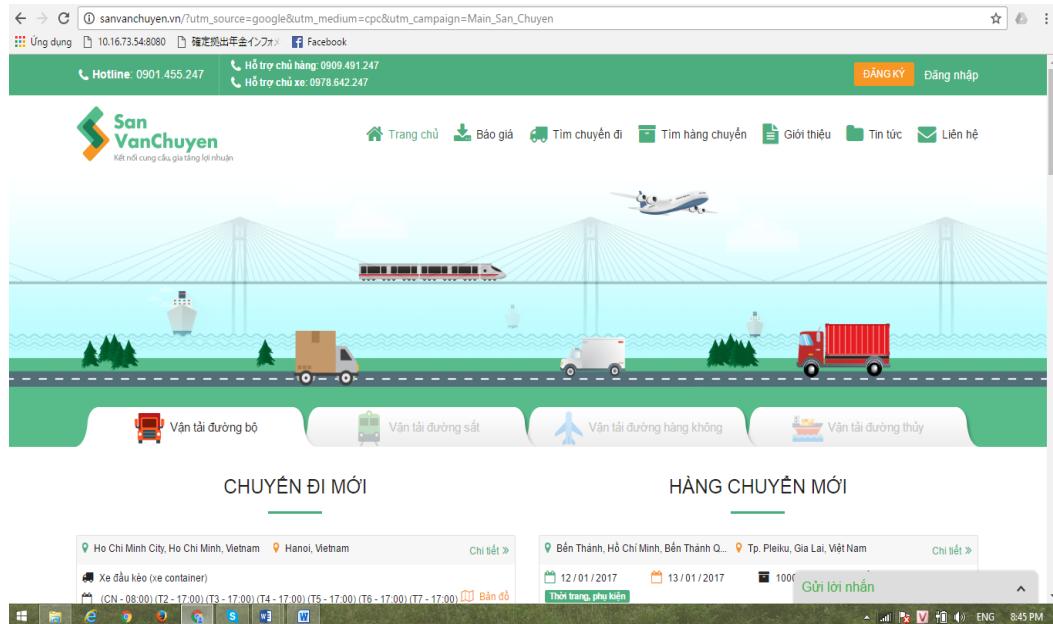


Figure 1.3-1: Website sanvanchuyen

## 1.4 Proposal

### 1.4.1 The idea

Today there are many who need freight but are not know how to transport as well as being subject to a relatively high fee for it. Not only this will make them just only don't want to using carriage anymore, it will also make the fee of the carriage will higher due to shortage of customers. It's a dilemma. Our projects - Carrier Trading Center born to addressing these issues. Help people get higher economic profit.

### 1.4.2 Objectives

This project is the Capstone Project in FPT University studying program.

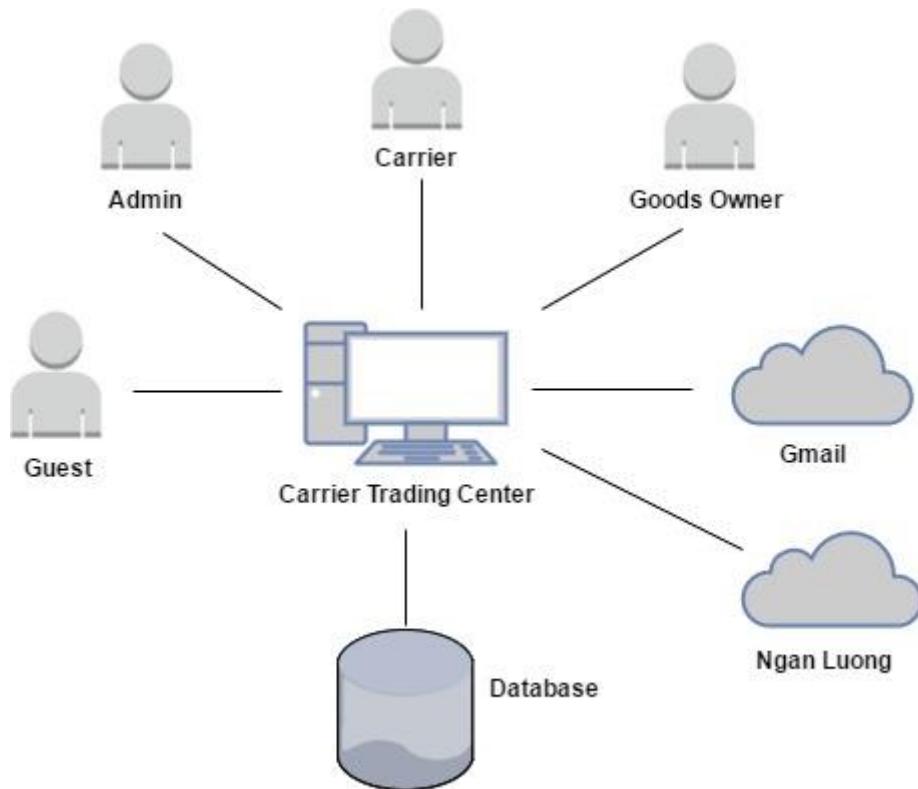
First, this project is responsibility for all team members. We must complete all requirements from teacher and FU. During the time doing project, we can learn how to develop a project, how to manage project, how to communicate better between team member, how to control time, how to perform teamwork effectively. Moreover, we also have experience in Java technology, website designing, software testing. Therefore, we think this project is very necessary for us to improve skills, knowledge which we studied in FU. This project also makes our CV more beautiful after graduating from FU. This is also an opportunity for us to prove our abilities with recruiters.

We want to help people around us and we also want to improve the conditions of life. Also, if this project successfully, we will also contribute a bit on Vietnam's carriage business, and help the trafficking issues in Vietnam gets better. Especially our website displayed entirely in Vietnamese. Vietnamese can use this website easier.

### 1.4.3 Brief description about system

This software is a major platform for crowdfunding with friendly and attractive interface, users can post their information goods to system to find carrier or carrier can find customer very easy. This greatly improves the economic productivity of the user.

CTC uses familiar technologies as: JSF, spring framework, Hibernate... And we are planning to develop a mobile version for easily connecting.



**Figure 1.4-1: Brief descriptions diagram of CTC system**

### 1.4.4 System features

About the features of CTC, we focus to provide for user main features as searching, filter project, create new project, return project, etc. Admin can manage members, manage projects, manage database, manage contribute database and manage Q&A.

In here, we focus on features which can help users can understand the best way what user want to have with features of CTC. There are the detailed features of CTC:

#### 1.4.4.1 Client features

##### 1.4.4.1.1 Guest features

- **Register:**
  - Register a new account: guest can register a new account to become a new user to use CTC service.
- **List bill of lading:**
  - Search bill of lading: guest can search bill of lading on CTC with key words
  - View bill of lading list: guest can view bill of lading are auctioning on CTC.
- **Fee list:**
  - View fee: guest can view fee list on CTC.

- Reference fee: guest can reference fee with actual fee system updated.

#### 1.4.4.1.2 Goods owner features

- **List bill of lading:**
  - View bill of lading list: goods owner can view bill of lading are auctioning on CTC.
  - View bill of lading detail: goods owner can view bill of lading detail on CTC.
  - Search bill of lading: goods owner can search bill of lading on CTC with key words.
  - View carrier auction success: When bill of lading of goods owner is successful, they can view who got their bill of lading.
  - Confirm complete transaction: when receiver received goods, goods owner had to confirm with system to get the arrange payment.
  - Register a new bill of lading: when goods owner has goods for transport they can create a bill of lading to post on CTC to find carrier.
  - Cancel bill of lading: when goods owner don't want to send their goods, they can be using cancel function to remove their bill of lading.
- **Manage profile:**
  - Edit profile: goods owner can edit their profile on system.
  - View profile: goods owner can view their profile on system.
  - Change password: goods owner can change their password for raise security.
  - Forget password: when goods owner do not remember their password, they can send request to system to reset password.
  - Add company: goods owner can add company's information to their detail.
- **Manage report:**
  - Send report: goods owner can send report to admin.
  - Search report: goods owner can search report in their report list with title of report, time sent.
  - View report list: goods owner can view their report on their report list.
  - Cancel report: goods owner can cancel report if they want.
- **Fee list:**
  - Reference fee: goods owner can view fee list on CTC.
  - View fee list: goods owner can reference fee actual fee system updated.
  - Account recharge: goods owner can recharge to their account for use CTC's services.
- **Transaction history:**
  - Transaction history: goods owner can check money in their account and check what did they do with their money.
- **Login:**
  - User login: goods owner can login to CTC to use CTC's service.
- **Logout:**
  - User logout: goods owner can logout CTC.
- **Connect to carrier:**
  - Connect to carrier: when goods owner is success on auction bill of lading, they can contact to carrier who got the auction and will carry their goods.

#### 1.4.4.1.3 Carrier feature

- **List bill of lading**

- View bill of lading list: carrier can view bill of lading are auctioning on CTC.
- Confirm complete transaction: when receiver got goods, carrier have to confirm with system to get down payment.
- View bill of lading detail: carrier can view bill of lading detail on CTC
- Auction bill of lading: when carrier want to transport goods, they can find a bill of lading and then auction it.
- Search bill of lading: carrier can search bill of lading on CTC with key words.
- Cancel bill of lading: because some reason carrier cannot transport continue, they can be cancel bill of lading.
- **Manage profile:**
  - Edit profile: carrier can edit their profile on system.
  - View profile: carrier can view their profile on system.
  - Change password: carrier can change their password for raise security.
  - Forget password: carrier do not remember their password, they can send request to system to reset password.
  - Add company: carrier can add company's information to their detail.
- **Manage report:**
  - Send report: carrier can send report to admin.
  - Search report: carrier can search report in their report list with title of report, time sent.
  - View report list: carrier can view their report on their report list.
  - Cancel report: carrier can cancel report if they want.
- **Fee list:**
  - Reference fee: carrier can view fee list on CTC.
  - View fee list: carrier can reference fee actual fee system updated.
- **Account recharge:**
  - Account recharge: carrier can recharge to their account for use CTC's services.
  - Transaction history: carrier can check money in their account and keep track what did they do with their money.
- **Login:**
  - User login: carrier can login to CTC to use CTC's service.
- **Logout:**
  - User logout: carrier can logout CTC.
- **Connect to goods owner:**
  - Connect to goods owner: when goods owner is success on auction bill of lading, they can connect to goods owner who have goods they carry.

#### 1.4.4.2 Admin features

- **List bill of lading:**
  - View bill of lading list: admin can view bill of lading are auctioning on CTC.
  - View bill of lading detail: admin can view bill of lading detail on CTC.
  - Search bill of lading: admin can search bill of lading on CTC with key words.
  - View carrier auction success: When bill of lading of goods owner is successful, admin can view how are get their bill of lading.
  - Summary all bill of lading: admin can summary all bill of lading.
  - View carrier list who are auctioning: admin can view how many carrier are auctioning a bill of lading and who are auctioning bill of lading.

- **Manage user:**
  - Search user: admin can search user with name of user, email address, province, role of user keyword.
  - View user profile: admin can view user profile.
  - Edit user profile: admin can edit user profile.
  - Active user: admin can active user to allow this user can use CTC's service.
  - Deactivate user: admin can deactivate user to disallow user use CTC's service.
  - Add company: admin can add company's information to user detail.
  - Account recharge for user: admin can recharge directly to account of user.
  - Edit company information: admin can edit user's company's information.
- **Fee list:**
  - Reference fee: admin can view fee list on CTC.
  - View fee list: admin can reference fee actual fee system updated.
  - Add a new fee: admin can add a new fee to fee list on CTC.
  - Edit fee list: admin can edit fee on fee list on CTC.
  - View fee table history: admin can view history of fee table.
  - Edit reference fee: admin can edit reference fee.
- **Manage report:**
  - Send report: admin can response report to goods owner and carrier.
  - Search report: admin can search report in their report list with title of report, time sent.
  - View report list: admin can view their report on their report list.
- **Transaction history:**
  - Transaction history: admin can check money in their account and keep track what did they do with their money.
- **Login:**
  - User login: admin can login to CTC to use CTC's service.
- **Logout:**
  - User logout: admin can logout CTC.
- **Manage profile:**
  - Edit profile: admin can edit their profile on system.
  - View profile: admin can view their profile on system.
  - Change password: admin can change their password for raise security.
  - Forget password: admin do not remember their password, they can send request to system to reset password.

## 1.5 Benefit from project

### 1.5.1 For our group

After developing and implementing this project, our group will get some benefits:

- Have more experience for software project management on how to manage plan, time, members and risk.
- Have more knowledge and skill about JSF, spring framework, Hibernate.
- Know how to communicate with team members and how to teamwork more effective.

### 1.5.2 For Community

Just need to have a device that connects to the internet and any web browser and personal information user can:

- Easy create a new transaction
- Easy join to Carrier Trading Center
- Easy search for detail transaction information
- Easy to auction new transaction

### 1.6 Critical assumption and constraints

- Critical assumption:
  - Human resources: Assume that all members in team have a good healthy to do their tasks.
- Constraints:
  - Time and deadline: We must complete task on time. We work on 14 weeks, each member works 5 hours/day and 5 days/week. We do not have more time for us to complete developing and deliver application to teachers. Besides, we must submit report documents before deadline to teacher so teacher can have a final review.
  - Quality: The products must be run well when users perform main functions in Google Chrome 40 and Firefox 30 or higher.
  - Process: We have to follow the software processing of FPT Software
  - Human resources: There are 5 members in our team, each member must study 3 subjects at school.

### 1.7 Potential risks

After studying about this project, we find out some problem that we may be encountered:

- Underestimate scope and time or miss deadline because lack of experience in group working, managing and controlling work.
- Loss data, source code before uploading data to server because of careless.
- Equipment got broken because of careless or accident.
- Human resources: Team member cannot complete their works because of health reasons, key member leaves team or un-cooperating on team.
- Change requirements: Requirement changed when some functions cannot be completed or some technologies is not suitable.
- Some issues related to legislation.

### 1.8 References

- **Sanvanchuyen:** “San Van Chuyen”. Updated 19/02/2017.  
<http://sanvanchuyen.vn/>
- **Trucking:** “Trucking”. Updated 19/02/2017. <http://trucking.vn/>

## 2 PROJECT PLAN

### 2.1 Introduction

#### 2.1.1 Purpose

This part is the project management plan of Carrier Trading Center (CTC) Project – our Capstone Project in FPT University. It is included the project overview, project organization, tools and infrastructures, schedule, risk management, quality management and some coding convention of this project

#### 2.1.2 Definitions and Acronyms

Acronym & Abbreviation	Definition	Note
CTC	Carrier Trading Center	
FU	FPT University	
ERD	Entity Relationship Diagram	
RUP	Rational Unified Process	
SRS	Software Requirement Specification	
SAD	Software Architecture Design	

Table 2.1-1: Definitions and Acronyms

### 2.2 Project overview

#### 2.2.1 Project description

Project Code	CTC	Contract Type	None
Customer	FPT University	2nd Customer	None
Project Level	Group	Project Rank	None
Application Type	Website	Project Manager	Lê Văn Dương
Project Category	Development	Business Domain	E-commerce

Table 2.2-1: Project Description

#### 2.2.2 Scope

UC No.	Group Of Functions	Function	Glossary
<b>Guest</b>			
UC001	<b>Register</b>	Register a new account	
UC002	<b>Bill of lading list</b>	Search bill of lading	
UC003		View bill of lading list	
UC004	<b>Fee list</b>	View fee	
UC005		Reference fee	
<b>Admin</b>			
UC006	<b>Bill of lading list</b>	View bill of lading detail	

UC007		Search bill of lading	
UC008		View bill of lading list	
UC009		View carrier auction success	
UC010		Summary all bill of lading	
UC011		View carrier list who are auctioning	
UC012	<b>Manage user</b>	Search user	
UC013		View user profile	
UC014		Edit user profile	
UC015		Add company	
UC016		Account recharge for user	
UC017		Active user	
UC018		Deactivate user	
UC019		Edit company information	
UC020		View user list	
UC021		View fee list	
UC022	<b>Fee list</b>	Add a new fee	
UC023		View fee table history	
UC024		Edit fee list	
UC025		Reference fee	
UC026		Edit reference fee	
UC027		<b>Transaction history</b>	Transaction History
UC028	<b>Login</b>	Login	
UC029		Logout	
UC030		<b>Manage report</b>	Search report
UC031		Response report	
UC032		View report list	
UC033	<b>Manage profile</b>	View profile	
UC034		Edit profile	
UC035		Forget password	
UC036		Change password	
<b>Goods owner</b>			
UC037	<b>Bill of lading list</b>	View bill of lading list	
UC038		View bill of lading detail	
UC039		Search bill of lading	
UC040		View carrier auction success	
UC041		Confirm complete transaction	
UC042		Post a new bill of lading	
UC043		Cancel bill of lading	
UC044	<b>Manage profile</b>	Edit profile	
UC045		View profile	
UC046		Change password	
UC047		Forget password	
UC048		Add company	
UC049	<b>Manage report</b>	Send report	
UC050		Search report	
UC051		Cancel report	
UC052		View report list	
UC053	<b>Fee list</b>	Reference fee	
UC054		View fee list	
UC055	<b>Account recharge</b>	Account recharge	
UC056	<b>Transaction history</b>	Transaction history	

UC057	<b>Login</b>	Login	
UC058	<b>Logout</b>	Logout	
UC059	<b>Connect to carrier</b>	Connect to carrier	
<b>Carrier</b>			
UC060	<b>Bill of lading list</b>	View bill of lading list	
UC061		Confirm complete transaction	
UC062		View bill of lading detail	
UC063		Auction bill of lading	
UC064		Search bill of lading	
UC065		Cancel bill of lading	
UC066	<b>Manage profile</b>	Edit profile	
UC067		View profile	
UC068		Change password	
UC069		Forget password	
UC070		Add company	
UC071	<b>Manage report</b>	View report list	
UC072		Search report	
UC073		Cancel report	
UC074		Send report	
UC075	<b>Fee list</b>	Reference fee	
UC076		View fee list	
UC077	<b>Transaction history</b>	Transaction history	
UC078	<b>Login</b>	Login	
UC079	<b>Logout</b>	Logout	
UC080	<b>Connect to goods owner</b>	Connect to goods owner	
UC081	<b>Account recharge</b>	Account recharge	

Table 2.2-2: Scope of CTC

### 2.2.3 Standard objectives

Metrics	Unit	Committed	Re-committed	Note
<b>Start Date</b>		03/01/2017		
<b>End Date</b>		19/04/2017		
<b>Duration</b>	Day	105		
<b>Team Size</b>	Person	5		
<b>Billable Effort</b>	Person-day	520		
<b>Calendar effort</b>	Person-day	520		
<b>Effort Usage</b>	%	100		

Table 2.2-3: Standard objectives

### 2.2.4 Milestones and deliverables

No	Stage	Deliverable/ Milestone	Delivery Date	Inspect	Final	Delivery Location
1	Initiation	Deliver Report No.1	09/01/2017			Supervisor

3	Initiation	Deliver Report No.2	16/01/2017			Supervisor
4	Solution	Software Requirement Specification	10/02/2017			Supervisor
5	Solution	System Architectural Design	24/02/2017			Supervisor
6	Construction	Complete Coding	18/03/2017			Supervisor
7	Construction	Deliver Report No.5	24/03/2017			Supervisor
8	Construction	Deliver Report No.6	17/04/2017			Supervisor
9	Termination	The last Document and CD source code	19/04/2017			FU
10	Termination	Project completed	26/04/2017			FU

Figure 2.2-4: Milestones and deliverables

## 2.3 Project organization

### 2.3.1 Software Process Model

#### 2.3.1.1 FPT Software Process Model

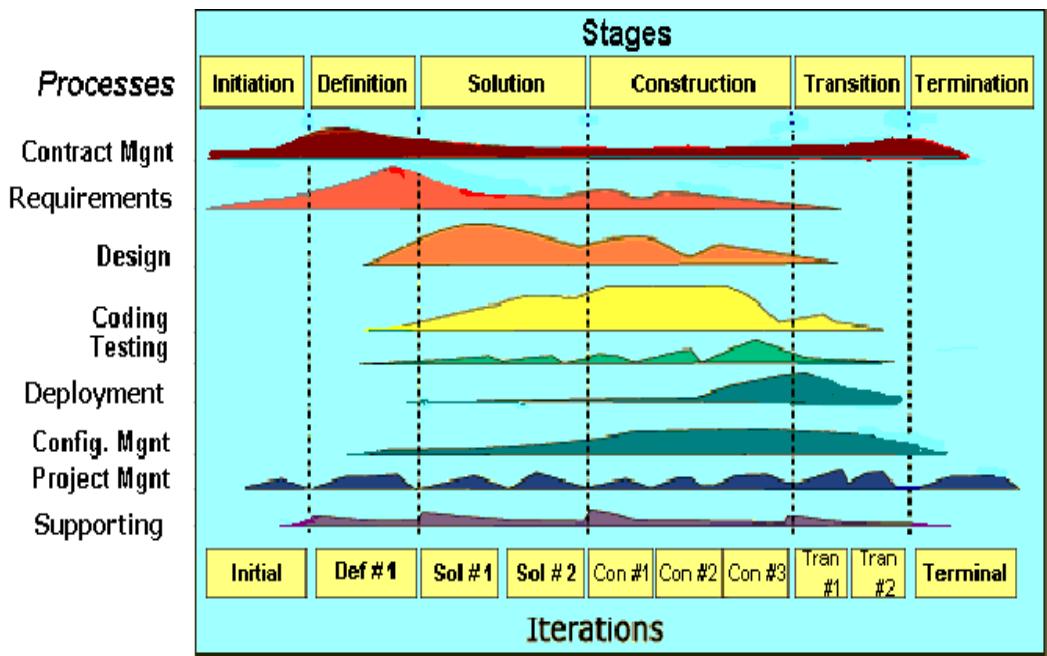


Figure 2.3-1: FPT Software process model

The software lifecycle is broken into *cycles*, each cycle working on a new generation of the product. The FPT Software process divides one development cycle in six consecutive *phases*:

1. Initiation phase

2. Definition phase
3. Solution phase
4. Construction phase
5. Transition
6. Termination

### 2.3.1.2 Project Life Cycle

Basing on FPT Software process and real-world project, we decided to divide the project into 4 phases: Initiation, Solution, Construction, and Termination:

- ❖ **Initiation Phase:** This is the explanatory phase of the project. Project objective and description is described at this stage. The purpose of this phase is to collect and understand business requirements, detail the project plan and agree upon a high level statement of work. Our primary objectives are complete project identification and project plan. After these are completed, the project is checked against the following criteria:
  - Identify business functions of the system
  - Determining the scope, conditions and limitations of the project
  - List the main functions of the system
  - List one or more suitable architecture for the system
  - Identify project risks
  - Complete Report #1, and Report #2
- ❖ **Solution Phase:** In this phase, the architecture of the system is designed. The goal is to translate requirements and specification into a technical solution to produce Technical Design.
  - Our *primary objectives* are complete Requirement Specification, Architecture Design and Database Design.
  - Finally, the plan must be provided (including estimates of cost and time) for the construction phase. The plan must ensure proper and accurate based on experience.
  - Complete Report #3 and Report #4
- ❖ **Construction Phase:** This is the longest phase of a project life cycle.
  - In this phase, all functions of the system will be installed. The installation will be divided into small stages, each stage of the installation a few functions. The results of each phase will be the release of the module function could be executed.
  - Construction and improvement of products until the final product is ready to deliver to the user. During this phase, all the components and other features of the application is developed and integrated into the product.
  - This phase emphasizes the resource management and control operations to optimize cost, time and quality.
  - Complete software packages and Report #5 and report #6
- ❖ **Termination Phase:** This is the final phase in the life cycle of a project.
  - Their products will be deployed to the client. The feedback received during the transfer process will be recorded and put on the new functional requirements or functionality enhancements in the next version of the product.
  - Phase transfer switch also includes the training system and the new system for the user.
  - Complete capstone project

### 2.3.2 Roles and responsibilities

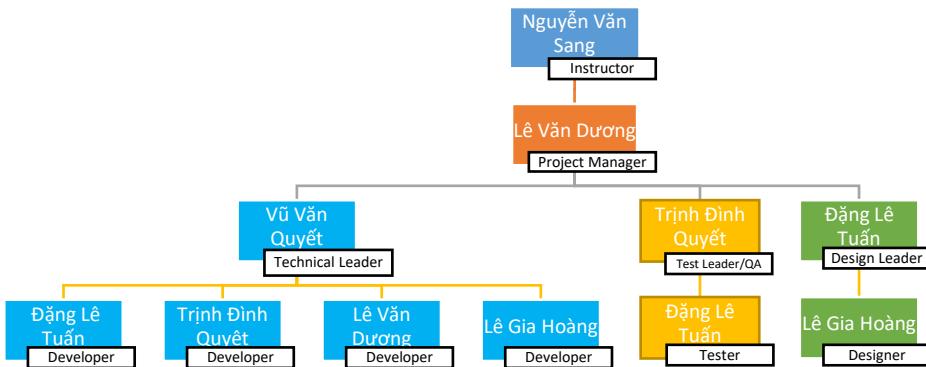


Figure 2.3-2: Roles and responsibilities

### 2.3.3 Organization Structure

Role	Responsibility
Project Manager	Planning, developing schedules, coordinating communication, generally responsible for keeping the team's focus on the main goal.
Technical Leader	Responsible for choosing and deciding what technologies should be used, as well as for overseeing the work being done by other developers.
Quality Assurance Manager	Ensuring the product meets the certain standards of quality from requirements.
Test Leader	Responsible for test execution, including test set-up and test run, evaluation of test run and error recovery, defect logging and test results recording.
Developer	Involve coding the product and reviewing code of other developers.
Designer	Involve designing product's user interface.
Tester	Involve testing the product.

Table 2.3-1: Project Structure

### 2.3.4 Project Team Member

Team Member	Role
DuongLV	Project Manager, Developer
QuyetVV	Technical Leader, Developer
QuyetTD	Tester Leader / QA, Developer
HoangLG	Developer, Designer

TuanDL	Designer, Tester, Developer
--------	-----------------------------

**Table 2.3-2: Project Team Member**

## 2.4 Tools and infrastructures

### 2.4.1 Tool and Techniques

<b>Programming languages</b>	JavaScript, Java, Html
<b>Framework</b>	Java Server Face, Hibernate
<b>Software architecture</b>	Java Server Face
<b>Version control</b>	SVN
<b>IDEs/Editors</b>	Eclipse
<b>UML tools</b>	Astah Professional 7.0
<b>Web server</b>	Apache Tomcat 7
<b>DBMS</b>	MySQL
<b>Deployment server</b>	Apache Tomcat 7
<b>Project management tool</b>	Microsoft Project 2010
<b>Development process</b>	Rational Unified Process

**Table 2.3-3: Project Team Member**

### 2.4.2 Hardware requirement

- Personal computers for developing with the recommended configuration: 4GB of Ram DDR3, 100GB of hard disk SSD, Processor: 2.4GHz Intel Core i5
- A sever computers for testing with the Recommended configuration: 4GB of Ram DDR3, 100GB of hard disk SSD, Processor: 2.4GHz Intel Core i5

### 2.4.3 Software requirements

- Operating system: Window 8.1, 10
- Web server: Apache Tomcat
- IDE: Eclipse
- DBMS: MySQL
- Soured control: Microsoft Project Plan
- Design Graphic: Adobe Photoshop 6
- Contact tool: Skype
- Architecture design: Astah

## 2.5 Schedule

### 2.5.1 Detailed schedule

Refers to “CTC\_Project\_Schedule\_v1.0\_EN” file.

## CTC\_FinalReport\_v1.0\_EN

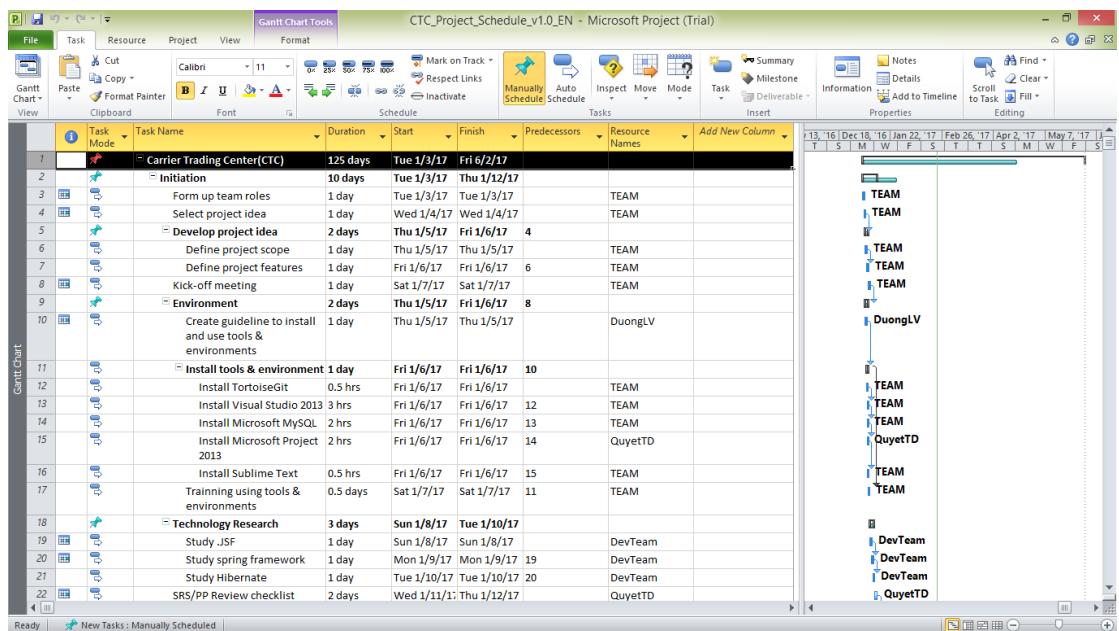


Figure 2.5-1: CTC Project Management file

### 2.5.2 Meeting Minutes

All meeting minutes will be written following this template:

<b>Meeting/Project Name:</b>	CTC		
<b>Date of Meeting:</b>		<b>Time: (Type)</b>	hours (Face-to-face)
<b>Meeting Called by:</b>	QuyetVV	<b>Location:</b>	FPT University's Library
<b>Note Taker:</b>	QuyetTD	<b>Time Keeper:</b>	DuongLV
1. Meeting Objective - Choose names, ideas for project			
2. Attendance			
Name	Roles	E-mail	Phone
Lê Văn Dương	Project Manager	<a href="mailto:DuongLVSE03190@fpt.edu.vn">DuongLVSE03190@fpt.edu.vn</a>	0166-977-5349
Lê Gia Hoàng	Developer	<a href="mailto:HoangLGSE03200@fpt.edu.vn">HoangLGSE03200@fpt.edu.vn</a>	0165-901-2428
Đặng Lê Tuấn	Designer	<a href="mailto:TuanDLSE03807@fpt.edu.vn">TuanDLSE03807@fpt.edu.vn</a>	0968-095-029
Vũ Văn Quyết	Technical Leader	<a href="mailto:QuyetVVSE03344@fpt.edu.vn">QuyetVVSE03344@fpt.edu.vn</a>	0972-381-151
Trịnh Đình Quyết	Test Leader/QA	<a href="mailto:QuyetTDSE03159@fpt.edu.vn">QuyetTDSE03159@fpt.edu.vn</a>	0964-657-385
3. Content			
-			
4. Note			
-			

Table 2.5-1: Meeting Minutes Template

### 2.5.3 Communication Plan

*Weekly meeting schedule:* We use Iterative and Incremental Process Model, then we divide the system into two sub-systems (CTC services and CTC Front-end), each sub-system is divided into a bunch of small tasks. Each task is recorded to Trello then estimated depending on difficulty and the amount of work by the whole team, after that the Team Leader will assign the task to team members and depending on difficulty, the Technical Leader will assign deadlines for each task. We will have a meeting every Monday to inform to all team about what each member finished last week, the status (over-schedule, on time or behind-schedule), the issues met and how to solve them. If any member raises any issue, the whole team will help to find out a solution together. After that, the team will define detailed stories for next week tasks and estimate how long it takes to finish them.

*Daily discussing schedule:* Each sub-system has one development team with different schedule. When starting work-day, each team will have a stand-up meeting to inform to others: “What did I do yesterday?”, “What will I do today?” and “Are there any impediments in my ways?”. By focusing on what each person accomplished yesterday and will accomplish today, the team gains an excellent understanding of what work has been done and what work remains.

*Unscheduled meeting:* If someone has an important problem that he wants to solve immediately, we will have a meeting for discussion, usually via some online channel: Facebook, Skype, or Phone.

## 2.6 Risk management plan

No	Description	Avoidance plan	Contingency plan	Status
R1	<b>Illness or absence of team members</b>	Member has to notice to the team about absence period and the plan of how to keep up with the work process.	Ensure that the absence of a member will not affect others and always have plans to deal with this problem.	Closed
R2	<b>Business problem</b>	Any ideas are welcome but members have to discuss with others and always focus on the reality and possibility.	Make sure the business logic of any ideas is carefully analyzed.	Closed
R3	<b>Change management overload</b>	A large number of change requests dramatically raises the complexity of the project and distracts key resources.	If there is a “must be changed” requirement, all team members must join the meeting to decide whether it should be implemented or not.	Closed
R4	<b>Project team misunderstand requirements</b>	When the project team a gap misinterprets requirements develops between expectations, requirements and work packages.	Make sure any miscommunication has to be resolved.	Closed
R5	<b>New technology</b>	Choosing technology based on member’s qualification. There are some issues cannot resolve	When someone chooses a new technology, he/she has to explain to all team members about the decision.	Closed

**Table 2.6.1: Risk Management**

*Communication channel:* Our main communication channel is Skype. On the other hand, we used face-to-face meeting, Email, Messenger. However, we sometimes make a phone call or instant message if someone has a problem.

## 2.7 Effort estimation

Task name	Worst case (days)	Best case (days)	Most likely (days)	Expected case (days)
<b>Initiation</b>	<b>100</b>	<b>95</b>	<b>97</b>	<b>98</b>
<b>Solution</b>	<b>100</b>	<b>95</b>	<b>97</b>	<b>98</b>
<b>Construction</b>	<b>200</b>	<b>190</b>	<b>195</b>	<b>195</b>
<b>Termination</b>	<b>125</b>	<b>120</b>	<b>120</b>	<b>120</b>
<b>Total</b>	<b>525</b>	<b>500</b>	<b>509</b>	<b>511</b>

Table 2.2-1: Effort Estimation

## 2.8 Coding convention

Reference to CTC\_Coding\_Convention\_Oracle\_EN

### 3 SOFTWARE REQUIREMENT SPECIFICATION

#### 3.1 Introduction

##### 3.1.1 Purpose

This chapter outlines functional and non-functional requirements of our website. It also provides some format constraints in common requirements and project success criteria. All members will work (design, code, test) based on the information provided in this chapter.

##### 3.1.2 Definitions and Acronyms

Acronym	Definition	Note
CTC	Carrier trading center	
SRS	Software Requirements Specifications	
Guest	CTC's user who did not register	
GWN	CTC's user who registered and they are goods owner	
CRE	CTC's user who registered and they are carrier	
Admin	Who manage CTC system	
User	Who use CTC system	

Table 3.1-1: Definition and Acronyms

##### 3.1.3 System Purpose

Today we have a lot of ideas to make life better. With the development of information technology, it is easier to implement that idea. The CTC system creates a convenient auction environment where owners and owners can find each other easily and at the most affordable fees. CTC system helps to increase profit for customers and helps society develop better. The CTC system is for everyone, everyone can use CTC as a tool as long as they are following our rules.

#### 3.2 Overall description

##### 3.2.1 System overview

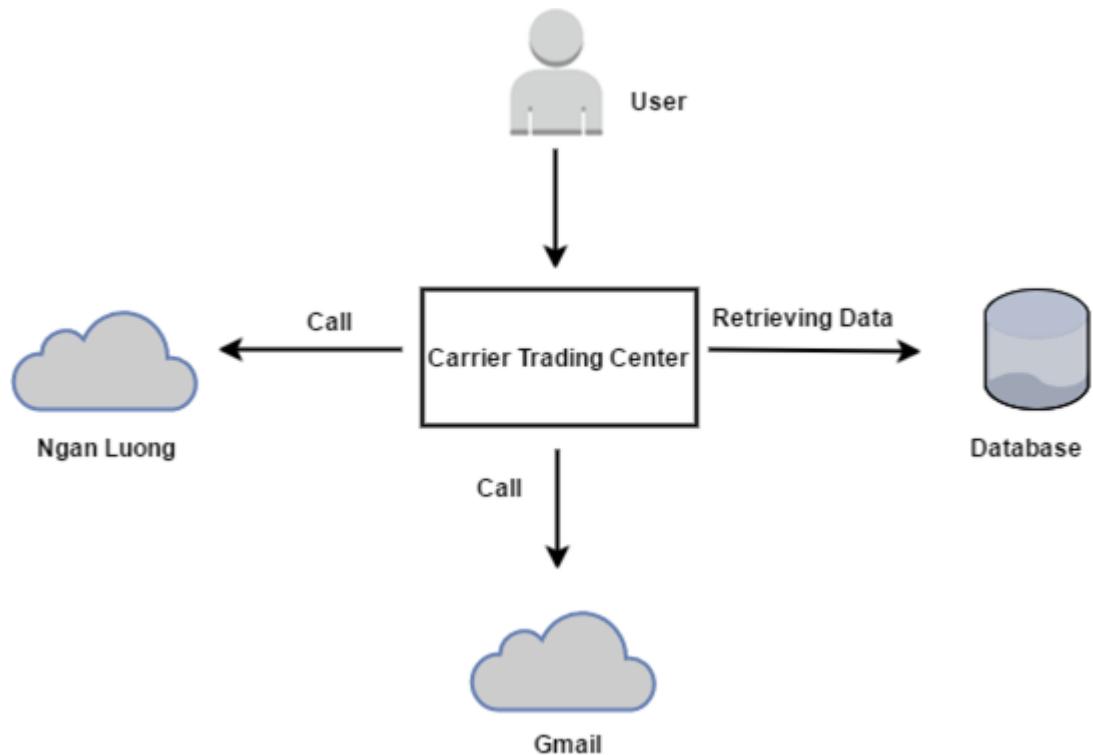


Figure 3.2-1: System Overview

### 3.2.2 Product Features

UC No.	Group Of Functions	Function	Glossary
<b>Guest</b>			
UC001	<b>Register</b>	Register a new account	
UC002	<b>Bill of lading list</b>	Search bill of lading	
UC003		View bill of lading list	
UC004	<b>Fee list</b>	View fee	
UC005		Reference fee	
<b>Admin</b>			
UC006	<b>Bill of lading list</b>	View bill of lading detail	
UC007		Search bill of lading	
UC008		View bill of lading list	
UC009		View carrier auction success	
UC010		Summary all bill of lading	
UC011		View carrier list who are auctioning	
UC012	<b>Manage user</b>	Search user	
UC013		View user profile	
UC014		Edit user profile	
UC015		Add company	
UC016		Account recharge for user	
UC017		Active user	
UC018		Deactivate user	
UC019		Edit company information	
UC020		View user list	

UC021	<b>Fee list</b>	View fee list	
UC022		Add a new fee	
UC023		View fee table history	
UC024		Edit fee list	
UC025		Reference fee	
UC026		Edit reference fee	
UC027	<b>Transaction history</b>	Transaction History	
UC028	<b>Login</b>	Login	
UC029	<b>Logout</b>	Logout	
UC030	<b>Manage report</b>	Search report	
UC031		Response report	
UC032		View report list	
UC033	<b>Manage profile</b>	View profile	
UC034		Edit profile	
UC035		Forget password	
UC036		Change password	
<b>Goods owner</b>			
UC037	<b>Bill of lading list</b>	View bill of lading list	
UC038		View bill of lading detail	
UC039		Search bill of lading	
UC040		View carrier auction success	
UC041		Confirm complete transaction	
UC042		Post a new bill of lading	
UC043		Cancel bill of lading	
UC044	<b>Manage profile</b>	Edit profile	
UC045		View profile	
UC046		Change password	
UC047		Forget password	
UC048		Add company	
UC049	<b>Manage report</b>	Send report	
UC050		Search report	
UC051		Cancel report	
UC052		View report list	
UC053	<b>Fee list</b>	Reference fee	
UC054		View fee list	
UC055	<b>Account recharge</b>	Account recharge	
UC056	<b>Transaction history</b>	Transaction history	
UC057	<b>Login</b>	Login	
UC058	<b>Logout</b>	Logout	
UC059	<b>Connect to carrier</b>	Connect to carrier	
<b>Carrier</b>			
UC060	<b>Bill of lading list</b>	View bill of lading list	
UC061		Confirm complete transaction	
UC062		View bill of lading detail	
UC063		Auction bill of lading	
UC064		Search bill of lading	
UC065		Cancel bill of lading	
UC066	<b>Manage profile</b>	Edit profile	
UC067		View profile	
UC068		Change password	

UC069		Forget password	
UC070		Add company	
UC071	<b>Manage report</b>	View report list	
UC072		Search report	
UC073		Cancel report	
UC074		Send report	
UC075		Reference fee	
UC076	<b>Fee list</b>	View fee list	
UC077		Transaction history	
UC078	<b>Login</b>	Login	
UC079	<b>Logout</b>	Logout	
UC080	<b>Connect to goods owner</b>	Connect to goods owner	
UC081	<b>Account recharge</b>	Account recharge	

**Table 3.2-1: List of use case diagram**

### 3.2.2.1 User Characteristics

The Carrier Trading Center's transport floor is aiming at everyone who wants to use the service. Just follow the rules and steps have been programmed. Those with goods wanting to be transported and those with vehicles wanting to transport goods and improve economic productivity.

Carrier Trading Center has 4 user groups:

- **Guest:** Everyone who does not have account and accessed into the websites.
- **Goods Owner:** Everyone who has account and accessed into Carrier Trading Center Website to register bill of lading.
- **Carrier:** Everyone who has account and accessed into Carrier Trading Center Website to auction bill of lading.
- **Administrator:** A person who has the highest permission level and is responsible for managing the website.

### 3.2.2.2 User Documentation

Name	Description
<b>User Guide</b>	Provide detailed explanation about the system, screens and guide users how to use all features of CTC.

**Table 3.2-2: User Documentation**

### 3.2.2.3 Assumption

- Receive the guidance and good support of teacher.
- None of members got sick in the software development process.
- In the development process, no devices got failed.
- Every reports, tasks meets the deadline.
- Team members do not conflict in the work process.

## 3.2.3 Entity Relation Model

### 3.2.3.1 Entity-Relationship Diagram

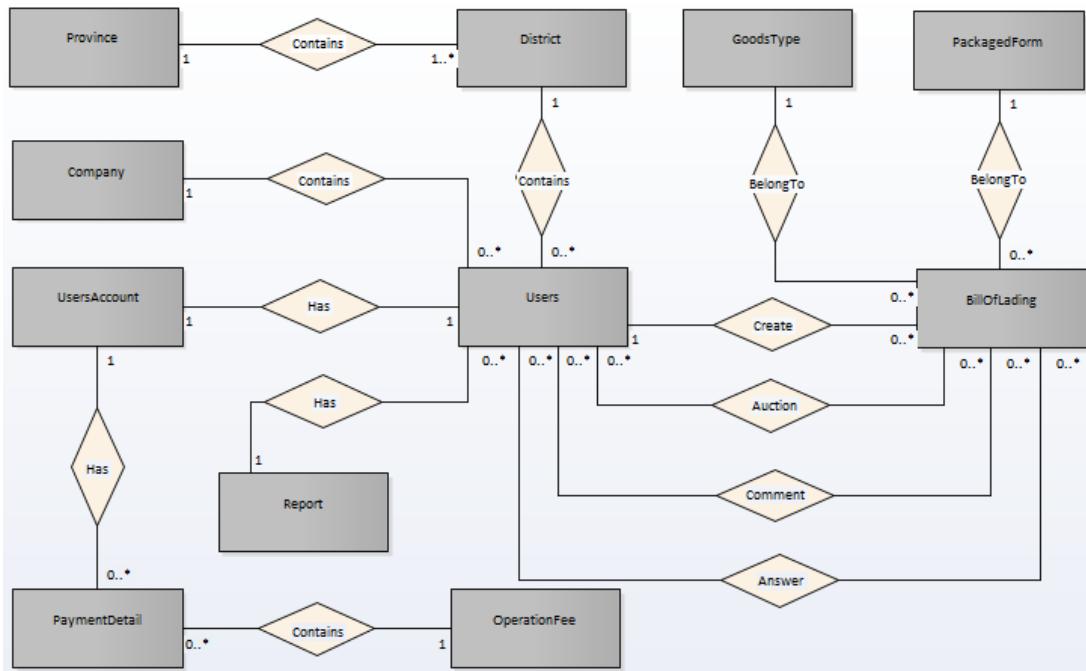


Figure 3.2-2: Entity Relationship Diagram

### 3.2.3.2 Entity Detail

#### 3.2.3.2.1 Table answer comment

NO.	Attribute	Type	Mandatory	Description
1	Content	Text	Yes	Content of comment
2	Created User	Text	Yes	Who create comment
3	Created	Text	NO	Create date

Table 3.3-1: table answer comment

#### 3.2.3.2.2 Table bill of lading

NO	Attribute	Type	Mandatory	Description
1	Goods Image	Text	NO	Image of goods
2	Weight	Number	YES	Number of goods
3	Volume	Number	YES	Volume of goods
4	Quantity	Number	NO	Quality of goods
5	Length	Number	YES	Length of goods
6	Width	Number	YES	Width of goods
7	Height	Number	YES	Height of goods

8	Description	Text	NO	Goods description
9	Sender	Text	NO	Name of sender
10	Sender Phone Number	Text	NO	Phone number of sender
11	Departure Address	Text	YES	Departure Address
12	Departure Date	Text	YES	Departure Date
13	Receiver	Text	NO	Name of receiver
14	Receiver Phone Number	Text	NO	Phone number of receiver
15	Arrival Address	Text	NO	Address of arrival
16	Arrival Date	Text	YES	Date of arrival
17	Distance	Number	YES	Distance of receiver and sender
18	Fee	Number	Yes	Bid fee
19	Status	Number	Yes	Status of bill of lading
20	Created User	Text	NO	Name of user create bill of lading
21	Created	Text	Yes	Create date
22	Modified	Text	Yes	Date of modified

**Table 3.3-2: Table bill of lading****3.2.3.2.3 Table carrier auction**

NO	Attribute	Type	Mandatory	Description
1	Carrier	Text	NO	Who have account to carry goods
2	Auction Date	Text	YES	Date of auction
3	Modified	Text	NO	Date of modified
4	Auction Fee	Number	YES	Fee of auction carrier want to get
5	Status	Text	YES	Status of bill of lading

**Table 3-3: Table carrier auction**

**3.2.3.2.4 Table comment**

NO	Attribute	Type	Mandatory	Description
1	Content	Text	YES	Content of comment
2	Created User	Text	YES	Who create comment
3	Created	Text	YES	Create date

**Table 3.3-4: Table comment****3.2.3.2.5 Table company**

NO	Attribute	Type	Mandatory	Description
1	Name	Text	YES	Name of company
2	Tax Code	Text	YES	Tax code of company
3	Email	Text	YES	Email of company
4	Phone Number	Number	YES	Phone number of company
5	Fax	Text	NO	Fax of company
6	address	Text	YES	Address of company

**Table 3-5: Table company****3.2.3.2.6 Table district**

NO	Attribute	Type	Mandatory	Description
1	Name	Text	YES	Name of district

**Table 3.3-6: Table district****3.2.3.2.7 Table goods type**

NO	Attribute	Type	Mandatory	Description
1	Name	Text	YES	Name type of goods
2	Description	Text	NO	Description of goods type
3	Reference Fee	Number	NO	Reference fee of goods type

**Table 3.3-7: Table goods type****3.2.3.2.8 Table operation fee**

NO	Attribute	Type	Mandatory	Description

1	Fee Name	Text	YES	Name of fee
2	Fee	Number	NO	How much of fee
3	Description	Text	NO	Description of fee

**Table 3.3-8: Table operation fee****3.2.3.2.9 Table packagedform**

NO	Attribute	Type	Mandatory	Description
1	Name	Text	YES	Name of package form
2	Description	Text	NO	Description of package form

**Table 3.2-11: Table package form****3.2.3.2.10 Payment detail**

NO	Attribute	Type	Mandatory	Description
1	Amounts	Text	YES	Amounts of payment
2	Payment Date	Text	NO	Date of payment
3	Description	Text	NO	Description of payment
4	Balance	float	NO	Account balance

**Table 3.3-12: Table payment detail****3.2.3.2.11 Table province**

NO	Attribute	Type	Mandatory	Description
1	Name	Text	YES	Name of province

**Table 3.3-3: Table payment province****3.2.3.2.12 Table rport**

NO	Attribute	Type	Mandatory	Description
1	Created User	Text	YES	Who create report
2	Report Date	Text	YES	Date of create report
3	Report Title	Text	YES	Title of report

4	Report Question	Text	NO	Question of report
5	Report Solution	Text	NO	Solution of report
6	Report Content	Text	NO	Content of report
7	Report Reply	Text	NO	Reply content of report
8	Status	Boolean	NO	Status of report

**Table 3.3-14: Table payment report****3.2.3.2.13 Table users**

NO	Attribute	Type	Mandatory	Description
1	Full Name	Text	YES	Name of user
2	Email	Text	YES	Email of user
3	Phone Number	Text	YES	Phone number of user
4	Address	Text	YES	Address of user
5	Identity Card Information	Text	YES	Identity card information of user
6	Role	Text	YES	Kind of user
7	Created	Text	YES	Date of create user
8	Company Information	Text	NO	Company information of user

**Table 3.3-15: Table users****3.2.3.2.14 Table users account**

NO	Attribute	Type	Mandatory	Description
1	Balance	Number	YES	Account balance
2	Modified	Text	YES	Date of modified

**Table 3.3-16: Table user account**

### 3.3 Functional specification

#### 3.3.1 Business Rules

No	Description
<b>B1</b>	The full name must be not empty
<b>B2</b>	The email address must not be empty
<b>B3</b>	The email must be valid.
<b>B4</b>	The phone number must be not empty
<b>B5</b>	The address must be not empty
<b>B6</b>	The province must be not empty
<b>B7</b>	The district must be not empty
<b>B8</b>	The identity card must be not empty
<b>B9</b>	The identity card place must be not empty
<b>B10</b>	The identity card date must be not empty
<b>B11</b>	The password must not be empty
<b>B12</b>	The password length must be in the range at least 8 character
<b>B13</b>	Check box kind of user (goods owner or carrier) must be not empty
<b>B14</b>	The auction is successfully
<b>B15</b>	The confirm password must be matched with the new password
<b>B16</b>	Receiver and sender must be not empty
<b>B17</b>	Received date must be not empty
<b>B18</b>	Send date must be not empty
<b>B19</b>	Receiver address and sender address must be not empty
<b>B20</b>	Auction end date must be not empty
<b>B21</b>	Proposed fee must be not empty
<b>B22</b>	The email when reset password must be registered before
<b>B23</b>	One phone number must use for only one account
<b>B24</b>	One identity card must use for only one account
<b>B25</b>	One email address must use for only one account
<b>B25</b>	There are only one kind of goods in a bill of lading
<b>B26</b>	Account balance more than 0
<b>B27</b>	There is at least one user use CTC
<b>B28</b>	Name of cost must be not empty
<b>B29</b>	Code of cost must be not empty
<b>B30</b>	Kind of goods must be not empty

<b>B31</b>	Cost must be not empty
<b>B32</b>	Description must be not empty
<b>B33</b>	There is at least one bill of lading on CTC
<b>B34</b>	Bill of lading code must be not empty
<b>B35</b>	Kind of goods must be not empty
<b>B36</b>	Name of sender must be not empty
<b>B37</b>	Phone number must be not empty
<b>B38</b>	Receiver name must be not empty
<b>B39</b>	Receiver place must be not empty
<b>B40</b>	All district must be not empty
<b>B41</b>	All province must be not empty
<b>B42</b>	Destination must be not empty
<b>B43</b>	The place to go must be not empty
<b>B44</b>	Date sent must be not empty
<b>B45</b>	Date receive must be not empty
<b>B46</b>	Distance must be not empty
<b>B47</b>	weigh must be not empty
<b>B48</b>	number must be not empty
<b>B49</b>	size must be not empty
<b>B50</b>	End of auction date must be not empty

**Table 3.3-9: Business rules**

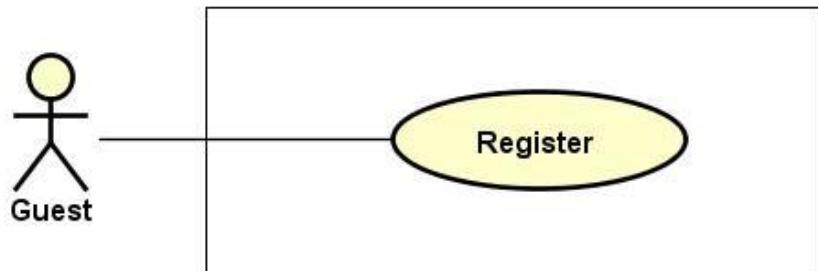
### 3.3.2 Use Cases

Actor	Description
Guest	Everyone who does not have account and accesses into the websites.
Carrier	Everyone who has account and accesses into Carrier Trading Center Website to auction bill of lading.
Goods Owner	Everyone who has account and accesses into Carrier Trading Center Website to register bill of lading.
Administrator	A person who has the highest permission level and is responsible for managing the website.

**Table 3.3-10: Actor description**

### 3.3.2.1 Guest Group Function

#### 3.3.2.1.1 Register group function



**Figure 3.3-1: Register**

##### 3.3.2.1.1.1 Register

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Guest	<b>Secondary Actor</b>	
<b>Description:</b>	Guest can create new account to use more function as an unregistered user		
<b>Preconditions:</b>	The registration button appears on the home screen		
<b>Trigger:</b>	“Đăng ký” button on the website is clicked		
<b>Post conditions:</b>	1. Add exactly account information to database 2. Logs user into system 3. Redirect user to Homepage and display as Member		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	Guest	Click “Đăng ký” in header	
2	CTC	Display Register page includes: - “Tên đầy đủ” input text - “Email” input text - “Số điện thoại” input text	

		<ul style="list-style-type: none"> <li>- “Địa chỉ” input text</li> <li>- “Tỉnh/Thành phố” input text</li> <li>- “Quận/Huyện” input text</li> <li>- “Chứng minh thư” input text</li> <li>- “Nơi cấp” input text</li> <li>- “Ngày cấp” date picker</li> <li>- “Chọn ảnh” file chooser</li> <li>- “Mật khẩu” input text</li> <li>- “Xác nhận mật khẩu” input text</li> <li>- “Loại người dùng” check box</li> <li>- “Đăng ký” button</li> </ul>
3	Guest	Enters data in fields
4	Guest	Click “Đăng ký” button
5	CTC	Send confirm email, display message “Đăng ký thành công” on register page
6	Guest	Confirm email
7	CTC	Activate user account to system
<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4 in the main flows, if guest click other hyperlinks or buttons	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
4.1	CTC	Redirects user to chosen hyperlink or button
<b>Exceptions:</b>		
<b>EC1</b>	At step 4, required fields are not entered	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
4.1	CTC	Display Register page with message error
4.2	CTC	Mark error fields
<b>EC2</b>	At step 4, fields are entered with wrong type of data	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
4.1	CTC	Display Register page with message error
4.2	CTC	Mark error fields
<b>Priority</b>	High	
<b>Frequency of Use:</b>	High	
<b>Business Rules:</b>	B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, B13, 23, 24, 25	

<b>Other Information:</b>	N/A
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## 3.3.2.1.2 Fee list group function

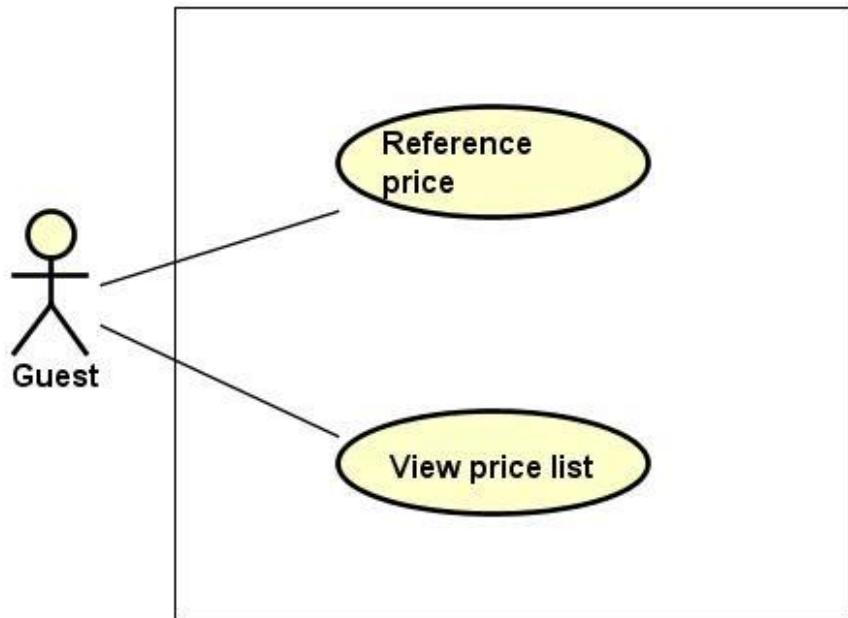


Figure 3.3-2: Fee list group function

## 3.3.2.1.2.1 Reference fee list

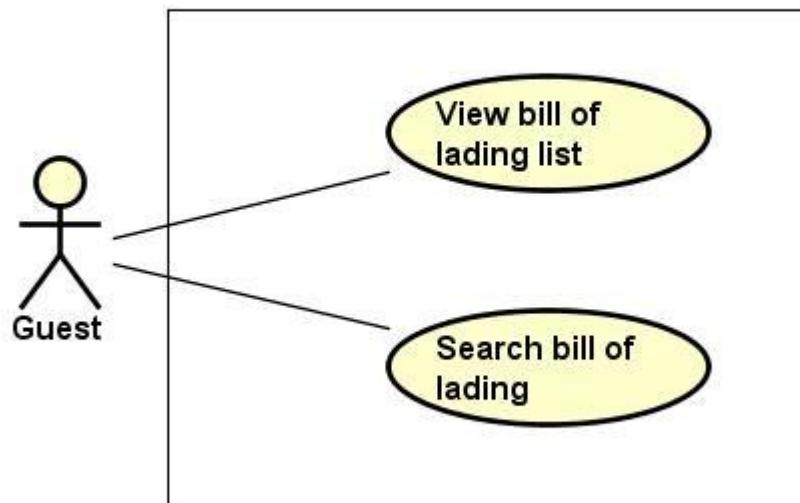
<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Guest	<b>Secondary Actor</b>	
<b>Description:</b>	Guest want to reference actual fee system updated		
<b>Preconditions:</b>	1. “Tham Chiếu” item appear on header of website 2. “BÁO GIÁ” navigator appear on header of website		
<b>Trigger:</b>	“Tham Chiếu” item is clicked		
<b>Post conditions:</b>	Display reference fee list		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	Guest	Hover mouse to “BÁO GIÁ” navigator and Click “Tham chiếu” button	
2	CTC	Display reference fee list	
<b>Alternative Flows:</b> N/A			

<b>Exceptions: N/A</b>	
<b>Priority</b>	Medium
<b>Frequency of Use:</b>	Medium
<b>Business Rules:</b>	N/A
<b>Other Information:</b>	N/A

**Table 3-11: Reference fee list****3.3.2.1.2.2 View fee list**

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Guest	<b>Secondary Actor</b>			
<b>Description:</b>	Guest want to view fee list				
<b>Preconditions:</b>	1. “Hệ Thông” item appear on header of website 2. “BÁO GIÁ” navigator appear on header of website				
<b>Trigger:</b>	“Hệ Thông” item is clicked				
<b>Post conditions:</b>	Display fee list on this page				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	User	Hover mouse to “Tham chiếu” navigator and click “Hệ Thông” on homepage			
2	CTC	Display fee list			
<b>Alternative Flows: N/A</b>					
<b>Exceptions: N/A</b>					
<b>Priority</b>	High				
<b>Frequency of Use:</b>	High				
<b>Business Rules:</b>	N/A				
<b>Other Information:</b>	N/A				

### 3.3.2.1.3 Bill of lading list group function



**Figure 3.3-3: Bill of lading list group function**

### 3.3.2.1.3.1 View bill of lading list

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Guest	<b>Secondary Actor</b>	
<b>Description:</b>	Guest want to view bill of lading list		
<b>Preconditions:</b>	“Tìm Hàng Chuyển” navigator appear header of website		
<b>Trigger:</b>	“Tìm Hàng Chuyển” navigator is clicked		
<b>Post conditions:</b>	Display bill of lading list on common page		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	Guest	Click on “Tìm Hàng Chuyển” navigator on the website	
2	CTC	Display bill of lading list on common page	
<b>Alternative Flows:</b> N/A			
<b>Exceptions:</b> N/A			
<b>Priority</b>	High		
<b>Frequency of Use:</b>	High		

<b>Business Rules:</b>	N/A		
<b>Other Information:</b>	N/A		

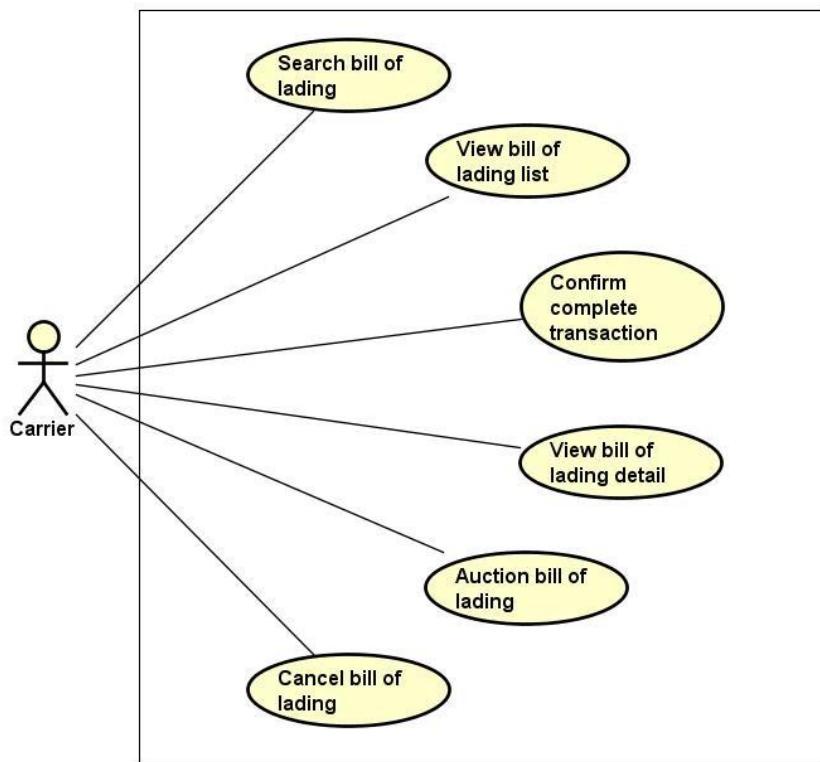
### 3.3.2.1.3.2 Search bill of lading

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Guest	<b>Secondary Actor</b>			
<b>Description:</b>	Guest want to find a bill of lading				
<b>Preconditions:</b>	1. “Tim Hàng Chuyển” navigator appear on header of website 2. Search box appear on common page				
<b>Trigger:</b>	“Tim Hàng Chuyển” navigator is clicked				
<b>Post conditions:</b>	Display bill of lading system found on common page				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	Guest	Click “Tim Hàng Chuyển” navigator			
2	CTC	Display search page includes: - “Loại hàng” select box - “Hình thức đóng gói” select box - “Khối lượng” input text - “Thể tích” input text - “Địa điểm đi” select box - “Địa điểm đến” select box - “Thời gian đi” Date picker - “Thời gian đến” Date picker - “Tìm Kiếm” buttons			
3	Guest	Enter data in this fields			
4	Guest	Click “Tìm Kiếm” button			
5	CTC	Display result bill of lading list system found			
<b>Alternative Flows:</b>					
<b>AT1</b>	At step 4 in the main flows, if guest click other hyperlinks or buttons				
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
5.1	CTC	Redirect user to chosen hyperlink or button			
<b>Exceptions: N/A</b>					
<b>Priority</b>	Medium				
<b>Frequency of Use:</b>	Medium				

<b>Business Rules:</b>	N/A
<b>Other Information:</b>	N/A

### 3.3.2.2 Carrier Group Function

#### 3.3.2.2.1 Bill of lading list group function



**Figure 3.3-4: of lading list group function**

##### 3.3.2.2.1.1 View bill of lading list

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	CRE want to view all bill of lading		
<b>Preconditions:</b>	“Tìm Hàng Chuyển” navigator appear on header of website		
<b>Trigger:</b>	“Tìm Hàng Chuyển” navigator is clicked		
<b>Post conditions:</b>	Display bill of lading list on common page		
<b>Normal Flow</b>			

Step	Actor	Action
1	CRE	Click “Tìm Hàng Chuyển” navigator
2	CTC	Display bill of lading list on common page
<b>Alternative Flows:</b> N/A		
<b>Exceptions:</b> N/A		
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		High
<b>Business Rules:</b>		N/A
<b>Other Information:</b>		N/A

### 3.3.2.2.1.2 View bill of lading detail

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	CRE want to view bill of lading detail, they send request to system and then get result		
<b>Preconditions:</b>	1. “Tim Hàng Chuyển” navigator appear on homepage 2. Detail icon appear on bill of lading detail page		
<b>Trigger:</b>	Detail icon of bill of lading is clicked		
<b>Post conditions:</b>	Display bill of lading detail on this page		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	CRE	Click “Tim Hàng Vận Chuyển” navigator	
2	CTC	Display bill of lading list page	
3	CRE	Click “Chi Tiết” on bill of lading	
4	CTC	Display bill of lading detail on bill of lading detail page	
<b>Alternative Flows:</b> N/A			
<b>Exceptions:</b> N/A			
<b>Priority</b>		High	
<b>Frequency of Use:</b>		High	
<b>Business Rules:</b>		B33	
<b>Other Information:</b>		N/A	

## 3.3.2.2.1.3 Confirm complete transaction

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>			
<b>Description:</b>	Carrier want to confirm to system that they are complete bill of lading. It's mean that their customer got goods. They will get down payment back				
<b>Preconditions:</b>	1. Bill of lading was successful 2. “Đã Giao Hàng” button appear detail bill of lading page				
<b>Trigger:</b>	“Đã Giao Hàng” button in bill of lading detail page is clicked				
<b>Post conditions:</b>	Return down payment of customer to account and update bill of lading detail page				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	CRE	Click “Đã Giao Hàng” button			
2	CTC	Display bill of lading detail page update			
3	CTC	Refund deposit for carrier			
<b>Alternative Flows: N/A</b>					
<b>Exceptions: N/A</b>					
<b>Priority</b>	Medium				
<b>Frequency of Use:</b>	Medium				
<b>Business Rules:</b>	B14				
<b>Other Information:</b>	N/A				

## 3.3.2.2.1.4 Auction bill of lading

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	Carrier want to transport goods and then they auction bill of lading on CTC		
<b>Preconditions:</b>	1. There is a bill of lading auctioning		
<b>Trigger:</b>	“Đấu Thầu” button on bill of lading detail page is clicked		
<b>Post conditions:</b>	Auction bill of lading on system		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	

1	CRE	Click “Đáu Thàu” button on bill of lading detail page
2	CTC	Display “Đáu Giá” pop-up includes: <ul style="list-style-type: none"> <li>- Account balance</li> <li>- Ceiling fee</li> <li>- Service charge</li> <li>- “Fee Đáu Thàu” input text</li> <li>- “Xác Nhận” button</li> <li>- “Hủy Bỏ” button</li> </ul>
3	CRE	Enter data in “Fee Đáu Thàu” input text
4	CRE	Click “Xác Nhận” button
5	CTC	Save data in database
6	CTC	Update bill of lading detail page.
<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4, CRE click “Hủy Bỏ” button	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Return bill of lading detail page
<b>AT2</b>	At step 4 in the main flows, if CRE click other hyperlinks or buttons	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Redirects user to chosen hyperlink or button
<b>Exceptions: N/A</b>		
<b>Priority</b>	High	
<b>Frequency of Use:</b>	High	
<b>Business Rules:</b>	B33	
<b>Other Information:</b>	N/A	

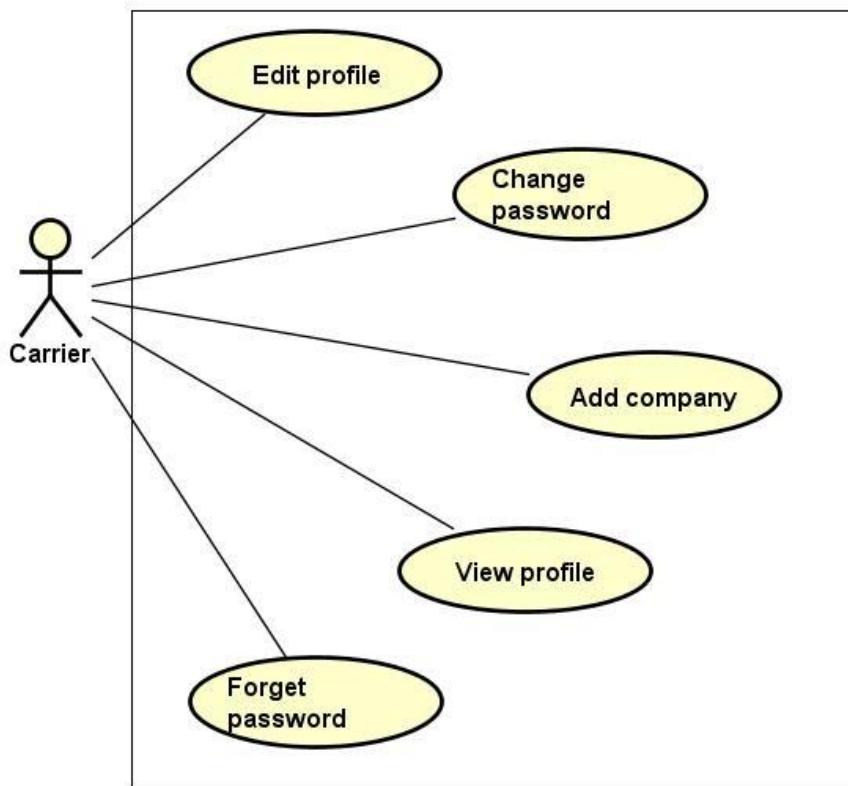
### 3.3.2.2.1.5 Search bill of lading

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	CRE want to find a bill of lading		
<b>Preconditions:</b>	1. “Tìm Hàng Chuyên” navigator appear on header of website 2. Search box appear on common page		
<b>Trigger:</b>	“Tìm Hàng Chuyên” navigator is clicked		
<b>Post conditions:</b>	Display bill of lading system found on common page		

Normal Flow		
Step	Actor	Action
1	CRE	Click “Tìm Hàng Chuyển” navigator one website
2	CTC	<p>Display summary bill of lading page includes:</p> <ul style="list-style-type: none"> <li>- “Loại hàng” select box</li> <li>- “Hình thức đóng gói” select box</li> <li>- “Khối lượng” input text</li> <li>- “Thể tích” input text</li> <li>- “Địa điểm đi” select box</li> <li>- “Địa điểm đến” select box</li> <li>- “Thời gian đi” Date picker</li> <li>- “Thời gian đến” Date picker</li> <li>- “Tìm Kiếm” buttons</li> </ul>
1	CRE	Enter data in this fields
2	CRE	Click “Tìm Kiếm” button search page
3	CTC	Display result on common page
Alternative Flows: N/A		
Exceptions: N/A		
<b>Priority</b>		High
<b>Frequency of Use:</b>		High
<b>Business Rules:</b>		N/A
<b>Other Information:</b>		N/A
<b>3.3.2.2.1.6 Cancel bill of lading</b>		
<b>Created by:</b>		QuyetTD
<b>Date Created:</b>		08/03/2017
<b>Primary Actor</b>		Carrier
<b>Secondary Actor</b>		
<b>Description:</b>		CRE do not want to transport their goods. So they cancel bill of lading
<b>Preconditions:</b>		Cancel button appear on bill of lading detail page
<b>Trigger:</b>		“Hủy Đáu Giá” button is clicked
<b>Post conditions:</b>		Bill of lading will be disable
Normal Flow		
Step	Actor	Action
1	CRE	Click “Hủy Đáu Giá” button

2	CTC	Cancel bill of lading
3	CTC	Update bill of lading detail page
<b>Alternative Flows:</b>		
<b>Exceptions: N/A</b>		
<b>Priority</b> High		
<b>Frequency of Use:</b> High		
<b>Business Rules:</b> N/A		
<b>Other Information:</b> N/A		

### 3.3.2.2.2 Manage profile group function



**Figure 3.3-5: Manage profile group function**

#### 3.3.2.2.1 Edit profile

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	CRE want to edit goods owner profile		

<b>Preconditions:</b>	“Thay Đổi” button appear on detail user view page	
<b>Trigger:</b>	“Thay Đổi” button on detail user view page is clicked	
<b>Post conditions:</b>	Save carrier profile in database and updated detail user view page	
<b>Normal Flow</b>		
Step	Actor	Action
1	CRE	Carrier click “Thay Đổi” button
2	CTC	<p>Display pop-up includes:</p> <ul style="list-style-type: none"> <li>- “Chọn ảnh” file chooser</li> <li>- “Họ tên” input text</li> <li>- “Bạn là” (phân quyền quản trị) check box</li> <li>- “Email” input text</li> <li>- “Địa chỉ” input text</li> <li>- “Chứng minh thư” input text</li> <li>- “Ngày cấp thẻ” date picker</li> <li>- “Ngày tham gia” date picker</li> <li>- “Thay Đổi” button</li> </ul>
3	CRE	Change data in this fields
4	CRE	Click “Lưu Thay Đổi” button
5	CTC	Save changed in database
6	CTC	Display changed on user detail page
<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4, carrier click “x” in pop-up	
Step	Actor	Action
4.1	CRE	click “x” in pop-up
6.1	CTC	Display user detail page
<b>AT2</b>	At step 4 in the main flows, if CRE click other hyperlinks or buttons	
Step	Actor	Action
6.1	CTC	Redirects admin to chosen hyperlink or button
<b>Exceptions: N/A</b>		
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	N/A	
<b>Other Information:</b>	N/A	

## 3.3.2.2.2.2 View profile

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	Carrier want to view their profile		
<b>Preconditions:</b>	“Thông Tin Cá Nhân” item appear on top navigator		
<b>Trigger:</b>	“Thông Tin Cá Nhân” item is clicked		
<b>Post conditions:</b>	Display carrier profile		
<b>Normal Flow</b>			
Step	Actor	Action	
1	CRE	Hover mouse to user name label and click “Thông Tin Cá Nhân” item	
2	CTC	Display CRE detail on user detail view page	
<b>Alternative Flows:</b> N/A			
<b>Exceptions:</b> N/A			
<b>Priority</b>	Medium		
<b>Frequency of Use:</b>	High		
<b>Business Rules:</b>	N/A		
<b>Other Information:</b>	N/A		

## 3.3.2.2.2.3 Forget password

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	CRE forget password. They want to reset password		
<b>Preconditions:</b>	“Quên mật khẩu” label appear on login page		
<b>Trigger:</b>	“Quên mật khẩu” label on login page is clicked		
<b>Post conditions:</b>	System send new password to goods owner's email		
<b>Normal Flow</b>			
Step	Actor	Action	
1	CRE	CRE click “Quên mật khẩu” on login page	
2	CTC	Display forget password page includes:	
		<ul style="list-style-type: none"> <li>- “Email đăng ký” input text</li> <li>- “Gửi” button</li> </ul>	

3	CRE	Enter email address they use for register goods owner account
4	CTC	Send new password to goods owner's email address
<b>Alternative Flows: N/A</b>		
<b>Exceptions: N/A</b>		
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		High
<b>Business Rules:</b>		B22
<b>Other Information:</b>		N/A

#### 3.3.2.2.2.4 Add company

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>			
<b>Description:</b>	Carrier want to add company information to their profile.				
<b>Preconditions:</b>	“Thêm mới” button appear below “THÔNG TIN CÔNG TY” label				
<b>Trigger:</b>	“Thêm mới” button on view user detail page is clicked				
<b>Post conditions:</b>	Add company information to user				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	CRE	Click “Thêm mới” button on view user detail page			
2	CTC	Display add company information for user pop-up includes: <ul style="list-style-type: none"> <li>- “Tên công ty” input text</li> <li>- “Email” input text</li> <li>- “Số điện thoại” input text</li> <li>- “Fax” input text</li> <li>- “Địa chỉ” input text</li> <li>- “Mã số thuế” input text</li> <li>- “Hủy bỏ” button</li> </ul>			
3	CRE	<ul style="list-style-type: none"> <li>- Enter data on fields</li> <li>- Click “Xác nhận” button</li> </ul>			
4	CTC	- Add company information for user			
<b>Alternative Flows: N/A</b>					
<b>AT1</b>	At step 3 in the main flows, CRE click “Hủy bỏ” button				
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
4.1	CTC	Close “Thêm thông tin công ty” pop-up			

<b>Exceptions: N/A</b>		
<b>EC1</b>	At step 3, required fields are not entered	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>EC2</b>	At step 3, fields are entered with wrong type of data	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	N/A	
<b>Other Information:</b>	N/A	

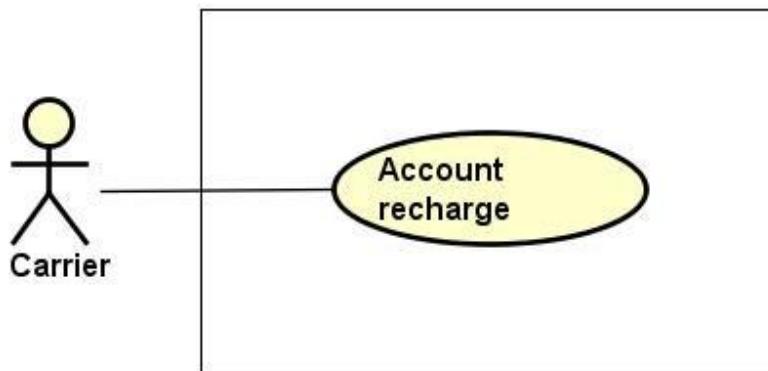
#### 3.3.2.2.5 Change password

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	Carrier want to change password for security		
<b>Preconditions:</b>	“Thay đổi mật khẩu” item appear on top navigator		
<b>Trigger:</b>	“Thay đổi mật khẩu” item is clicked		
<b>Post conditions:</b>	Change password of goods owner		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	CRE	Click “Thay đổi mật khẩu” label	
2	CTC	Display change password page includes: <ul style="list-style-type: none"> <li>- “Mật khẩu cũ” input text</li> <li>- “Mật khẩu mới” input text</li> <li>- “Xác nhận mật khẩu” input text</li> <li>- “Đổi mật khẩu” button</li> </ul>	
3	CRE	Enter data in this fields	
4	CRE	Click “Đổi mật khẩu” button	
5	CTC	Save new password in database	

6	CTC	Display “Thay đổi thành công” message on pop-up
<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4 in the main flows, if CRE click other hyperlinks or buttons	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Redirects CRE to chosen hyperlink or button
<b>Exceptions:</b>		
<b>EC1</b>	At step 3, required fields are not entered	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>EC2</b>	At step 3, fields are entered with wrong type of data	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>EC3</b>	At step 3, password is wrong	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>EC4</b>	At step 3, new password and confirm password are not match	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		Medium
<b>Business Rules:</b>		B12, B15
<b>Other Information:</b>		N/A

**Table 3-12: Change password**

## 3.3.2.2.3 Account recharge group function



**Figure 3.3-6: Account recharge group function**

#### 3.3.2.2.3.1 Account recharge

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	Carrier want to account recharge for account for auction bill of lading		
<b>Preconditions:</b>	“Nạp tiền vào tài khoản” item appear on top navigator		
<b>Trigger:</b>	“Nạp tiền vào tài khoản” item is clicked		
<b>Post conditions:</b>	Recharge the user account		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	CRE	Hover mouse to user name and Click “Nạp tiền vào tài khoản” item	
2	CTC	Display “nganluong.vn” website includes 3 items for 3 ways to recharge for account: <ul style="list-style-type: none"> <li>- “Ví điện tử Ngân Lượng” button</li> <li>- “Thẻ cào điện thoại” button</li> <li>- “Online bằng thẻ ATM\Internet banking” button</li> <li>- “Chuyển khoản ngân hàng” button</li> </ul>	
3	CRE	Click one of three button for choose how to recharge to account	
4	CTC	Display the way user chose to recharge account	
5	CRE	GWN do something follow “Ngân Lượng” guide	

6	CTC	Add money to user account
<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4 in the main flows, if CRE click other hyperlinks or buttons	
<b>Step</b> <b>Actor</b> <b>Action</b>		
5.1	CTC	Redirects user to chosen hyperlink or button
<b>Exceptions: N/A</b>		
<b>Priority</b>		High
<b>Frequency of Use:</b>		High
<b>Business Rules:</b>		N/A
<b>Other Information:</b>		N/A

## 3.3.2.2.4 Manage report group function

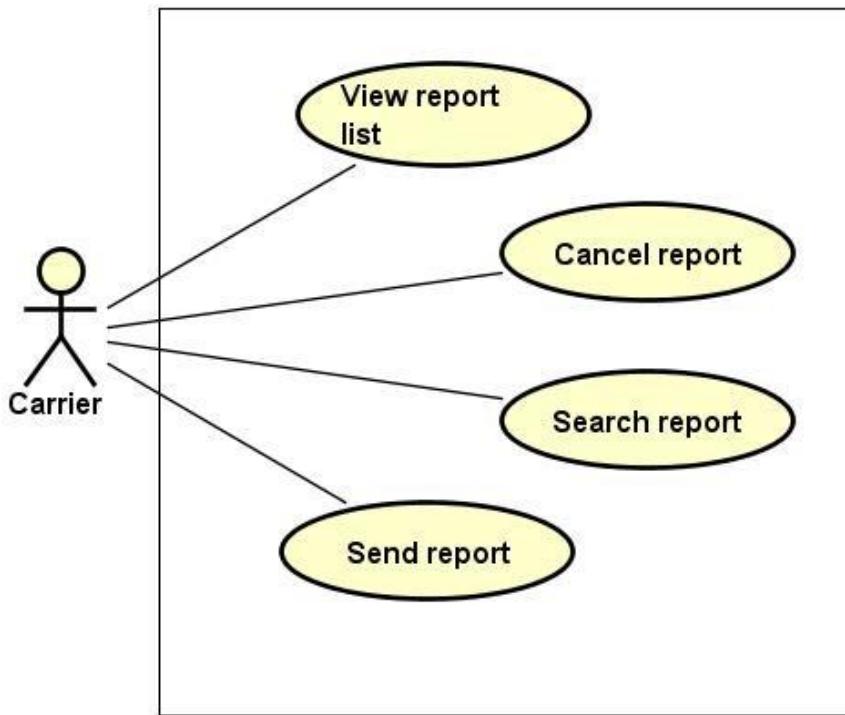


Figure 3.3-7: Manage report group function

## 3.3.2.2.4.1 Send report

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	Carrier want to send report to admin		
<b>Preconditions:</b>	1. “BÁO CÁO CỦA TÔI” navigator appear on header of website 2. “Tạo báo cáo mới” button appear on list report user page		
<b>Trigger:</b>	“Tạo mới báo cáo” button is clicked		
<b>Post conditions:</b>	Send report to admin		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	CRE	Click “Tạo mới báo cáo” button	

2	CTC	Display add new report page includes: <ul style="list-style-type: none"> <li>- “Chủ đề bạn muốn báo cáo là gì” input text</li> <li>- “Câu hỏi của bạn là gì” input text</li> <li>- “Bạn mong muốn xử lý như thế nào” input text</li> <li>- “Nội dung báo cáo của bạn” input text</li> <li>- “Gửi phản hồi” button</li> <li>- “Quay lại” button</li> </ul>
3	CRE	Enter data in fields
4	CRE	Click “Gửi phản hồi” button
5	CTC	Send report to admin
<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4, CRE click “Quay lại” button	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
5.1	CTC	Return report list page
<b>AT2</b>	At step 4 in the main flows, if CRE click other hyperlinks or buttons	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
5.1	CTC	Redirects CRE to chosen hyperlink or button
<b>Exceptions:</b>		
<b>EC1</b>	At step 3, required fields are not entered	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
5.1	CTC	Display Register page with message error
5.2	CTC	Mark error fields
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		Medium
<b>Business Rules:</b>		N/A
<b>Other Information:</b>		N/A

#### 3.3.2.2.4.2 View report list

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	CRE want to view report list		
<b>Preconditions:</b>	“BÁO CÁO CỦA TÔI” navigator appear on header of website		
<b>Trigger:</b>	“BÁO CÁO CỦA TÔI” navigator is clicked		

<b>Post conditions:</b>		Display report list on report list page
<b>Normal Flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
1	CRE	Click “Báo Cáo Của Tôi” navigator
2	CTC	Display report list on report list page
<b>Alternative Flows: N/A</b>		
<b>Exceptions: N/A</b>		
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	High	
<b>Business Rules:</b>	N/A	
<b>Other Information:</b>	N/A	

#### 3.3.2.2.4.3 Search report

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	Carrier want to find a report in report list		
<b>Preconditions:</b>	1. “BÁO CÁO CỦA TÔI” navigator appear header of website 2. Search box appear on list report user page		
<b>Trigger:</b>	“BÁO CÁO CỦA TÔI” navigator appear header of website		
<b>Post conditions:</b>	Display report on report list page		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	CRE	CRE click “Quản Lý Report” navigator	
2	CTC	Display search page includes: - “Tên tài khoản” - “Tên người dùng” - “Tiêu đề báo cáo” - “ngày bắt đầu” input text - “ngày kết thúc” input text - “Tìm kiếm” button	
3	CRE	Enter data in fields	
4	CRE	Click “Tìm kiếm” button	
5	CTC	Display result on report list page	

<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4 in the main flows, if CRE click other hyperlinks or buttons	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
5.1	CTC	Redirects user to chosen hyperlink or button
<b>Exceptions:</b> N/A		
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	N/A	
<b>Other Information:</b>	N/A	
<b>3.3.2.2.4.4 Cancel report</b>		
<b>Created by:</b>	QuyetTD	<b>Date Created:</b> 08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>
<b>Description:</b>	CRE want to cancel their report	
<b>Preconditions:</b>	“BÁO CÁO CỦA TÔI” navigator appear on header of website	
<b>Trigger:</b>	“BÁO CÁO CỦA TÔI” navigator is clicked	
<b>Post conditions:</b>	Cancel this report	
<b>Normal Flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
1	CRE	Click “Báo Cáo Của Tôi” navigator
2	CRE	Click cancel report icon
2	CTC	Cancel this report
<b>Alternative Flows: N/A</b>		
<b>Exceptions: N/A</b>		
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	High	
<b>Business Rules:</b>	N/A	
<b>Other Information:</b>	N/A	

## 3.3.2.2.5 Fee list group function

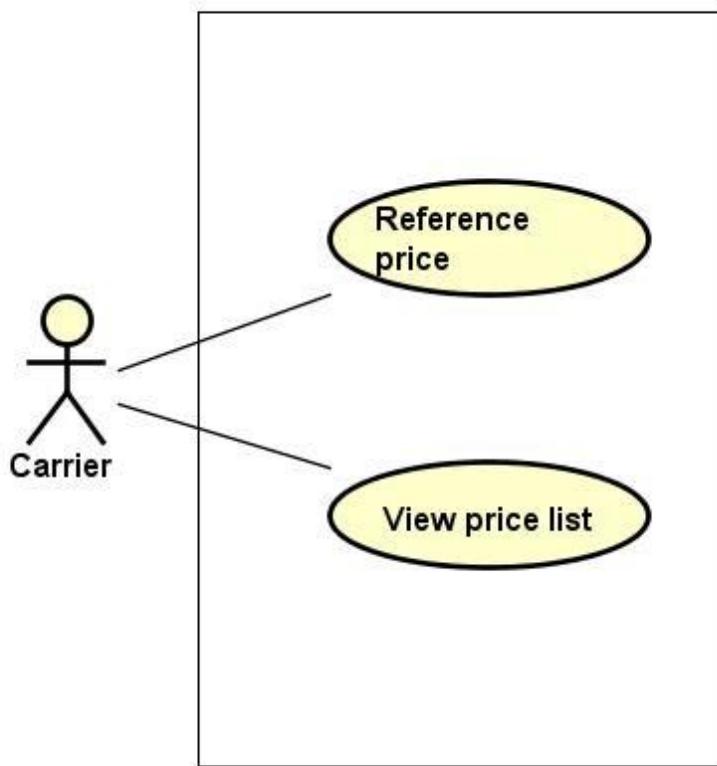


Figure 3.3-8: Fee list group function

## 3.3.2.2.5.1 Reference fee

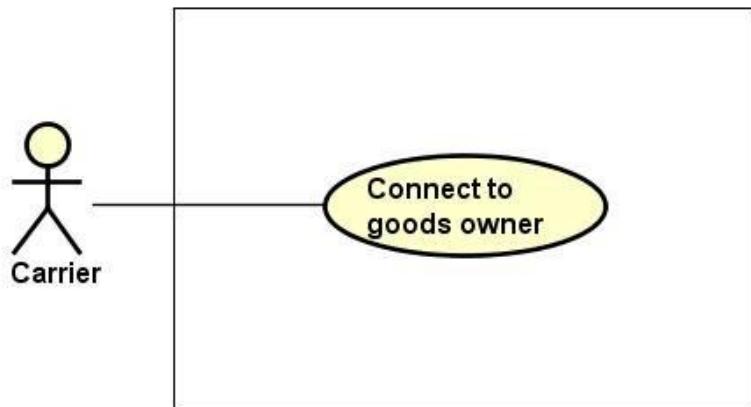
<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	Carrier want to reference actual fee system updated		
<b>Preconditions:</b>	1. “Tham Chiếu” item appear on header of website 2. “BÁO GIÁ” navigator appear on header of website		
<b>Trigger:</b>	“Tham chiêu” item is clicked		
<b>Post conditions:</b>	Display fee list on fee list page		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	CRE	Click “Tham chiêu” button	
2	CTC	Display fee list from other website	

<b>Alternative Flows:</b> N/A	
<b>Exceptions:</b> N/A	
<b>Priority</b>	Medium
<b>Frequency of Use:</b>	Medium
<b>Business Rules:</b>	N/A
<b>Other Information:</b>	N/A

### 3.3.2.2.5.2 View fee list

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>			
<b>Description:</b>	CRE want to view list of fee				
<b>Preconditions:</b>	1. “Hệ Thống” item appear on header of website 2. “BÁO GIÁ” navigator appear on header of website				
<b>Trigger:</b>	“Hệ Thống” item is clicked				
<b>Post conditions:</b>	Display fee list on fee list page				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	CRE	Click “BÁO GIÁ” navigator and then choose “Hệ Thống” item			
2	CTC	Display fee list on fee list page			
<b>Alternative Flows:</b> N/A					
<b>Exceptions:</b> N/A					
<b>Priority</b>	High				
<b>Frequency of Use:</b>	High				
<b>Business Rules:</b>	N/A				
<b>Other Information:</b>	N/A				

### 3.3.2.2.6 Connect to goods owner group function



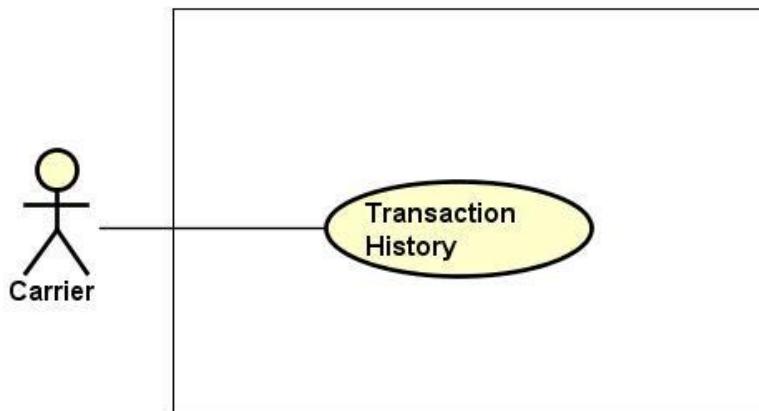
**Figure 3.3-9: Connect to goods owner group function**

#### 3.3.2.2.6.1 Connect to goods owner

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>			
<b>Description:</b>	Carrier want to connect to Goods owner				
<b>Preconditions:</b>	Bill of lading is successful				
<b>Trigger:</b>	“Reply” item on bill of lading detail page is clicked				
<b>Post conditions:</b>	Send comment to goods owner				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	CRE	Click “Chi Tiết” on a bill of lading			
2	CTC	Display bill of lading detail comment includes: - “Hỏi Đáp” input text			
3	CRE	Enter data in fields			
4	CRE	Press enter key word on keyboard			
5	CTC	Send comment to goods owner			
<b>Alternative Flows:</b>					
<b>AT1</b>	At step 4 in the main flows, if CRE click other hyperlinks or buttons				

Step	Actor	Action
5.1	CTC	Redirects CRE to chosen hyperlink or button
<b>Exceptions: N/A</b>		
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		Medium
<b>Business Rules:</b>		B14
<b>Other Information:</b>		N/A

### 3.3.2.2.7 Transaction history group function



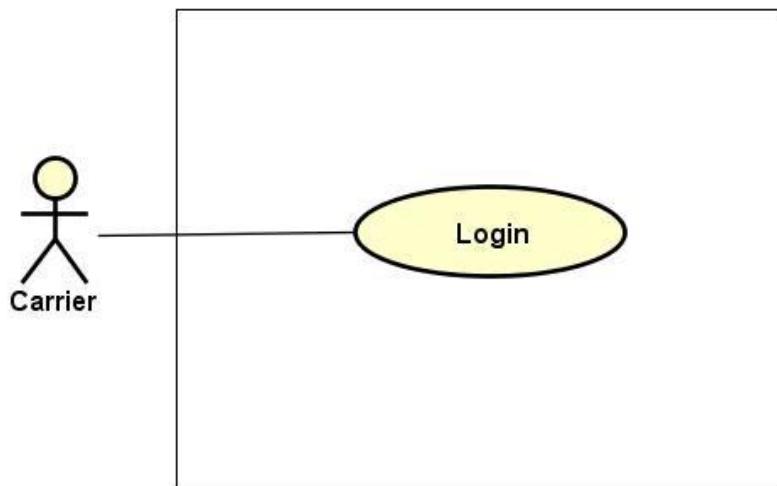
**Figure 3.3-10: Transaction history group function**

#### 3.3.2.2.7.1 Transaction history

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	Carrier want to check money in account and what did they do with money		
<b>Preconditions:</b>	“Thông tin giao dịch” item appear on top navigator		
<b>Trigger:</b>	“Thông tin giao dịch” item is clicked		
<b>Post conditions:</b>	Display money in account and transaction history		
<b>Normal Flow</b>			
Step	Actor	Action	

1	Carrier	Hover mouse to user name and Click “Thông tin giao dịch” item
2	CTC	Display money in account and transaction history
<b>Alternative Flows: N/A</b>		
<b>Exceptions: N/A</b>		
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	N/A	
<b>Other Information:</b>	N/A	

### 3.3.2.2.8 Login group function



**Figure 3.3-11: Login group function**

#### 3.3.2.2.8.1 Login

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>	
<b>Description:</b>	CRE want to login to CTC system for work		
<b>Preconditions:</b>	“Đăng nhập” button appear on login page		
<b>Trigger:</b>	“Đăng nhập” button on login page is clicked		
<b>Post conditions:</b>	Carrier login to CTC system		

<b>Normal Flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
1	CRE	Click “Đăng nhập” on homepage
2	CTC	Display login page includes: <ul style="list-style-type: none"> <li>- “Email” input text</li> <li>- “Mật khẩu” input text</li> <li>- “Đăng nhập” button</li> </ul>
3	CRE	Enter data in fields
4	CTC	Login account to CTC
<b>Alternative Flows: N/A</b>		
<b>Exceptions:</b>		
<b>EC1</b>	At step 4, required fields are not entered	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
4.1	CTC	Display Register page with message error
4.2	CTC	Mark error fields
<b>EC2</b>	At step 4, fields are entered with wrong type of data	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
4.1	CTC	Display Register page with message error
4.2	CTC	Mark error fields
<b>Priority</b>		High
<b>Frequency of Use:</b>		High
<b>Business Rules:</b>		B2, B11
<b>Other Information:</b>		N/A

## 3.3.2.2.9 Logout group function

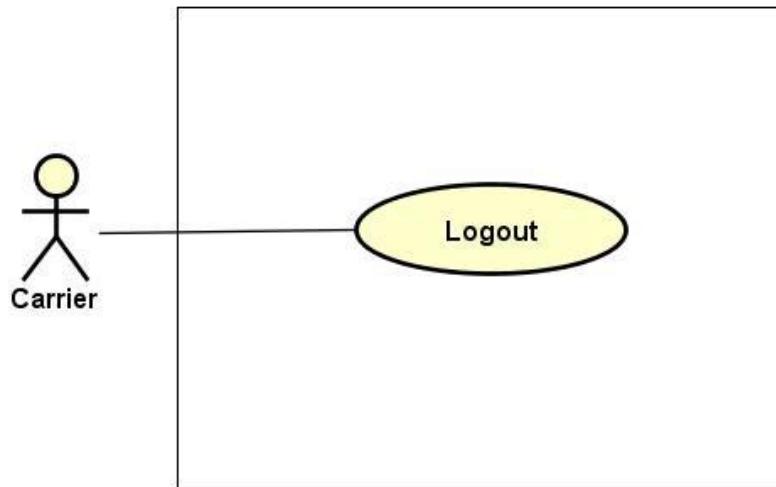


Figure 3.3-12: Logout group function

## 3.3.2.2.9.1 Logout

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Carrier	<b>Secondary Actor</b>			
<b>Description:</b>	CRE want to logout CTC system				
<b>Preconditions:</b>	“Đăng xuất” button appear on top navigator				
<b>Trigger:</b>	“Đăng xuất” button is clicked				
<b>Post conditions:</b>	Logout carrier account				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	CRE	Click “Đăng xuất” in website			
2	CTC	Logout Goods owner account			
3	CTC	Return homepage			
<b>Alternative Flows: N/A</b>					
<b>Exceptions: N/A</b>					
<b>Priority</b>		High			

<b>Frequency of Use:</b>	High
<b>Business Rules:</b>	N/A
<b>Other Information:</b>	N/A

### 3.3.2.3 Goods Owner Group Function

#### 3.3.2.3.1 Bill of lading list group function

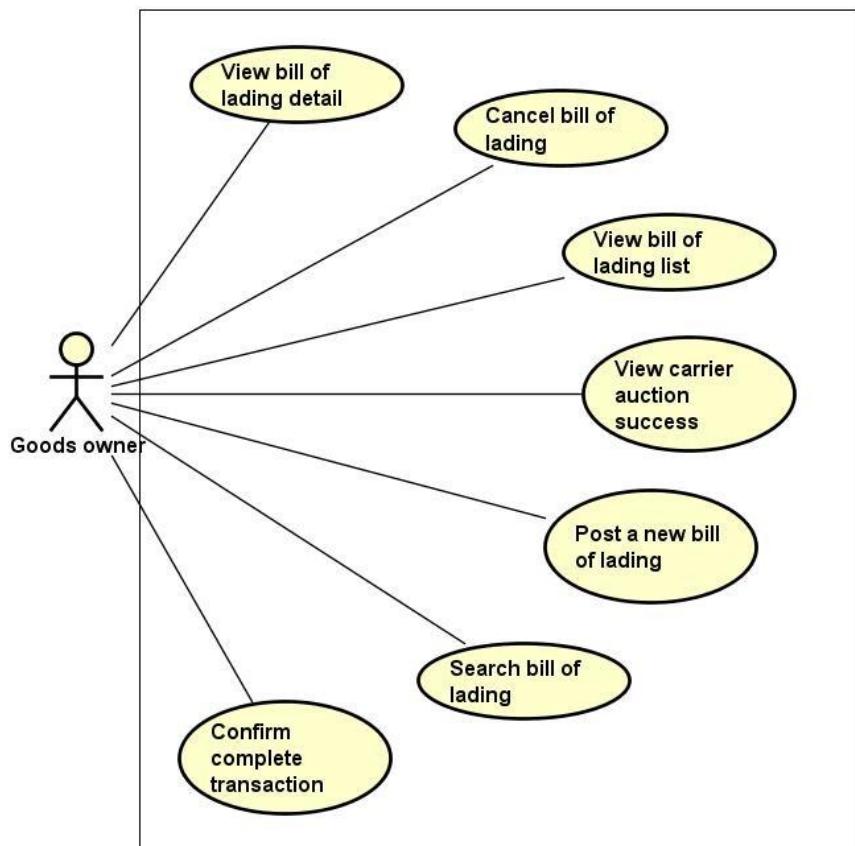


Figure 3.3-13: Bill of lading list group function

##### 3.3.2.3.1.1 View bill of lading list

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	User want to view all bill of lading		
<b>Preconditions:</b>	“Tìm Hàng Chuyển” navigator appear on header of website		
<b>Trigger:</b>	“Tìm Hàng Chuyển” navigator is clicked		
<b>Post conditions:</b>	Display bill of lading list on common page		
<b>Normal Flow</b>			

Step	Actor	Action
1	GWN	Click “Tìm Hàng Chuyển” navigator
2	CTC	Display bill of lading list on bill of lading list page
<b>Alternative Flows:</b> N/A		
<b>Exceptions:</b> N/A		
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		High
<b>Business Rules:</b>		N/A
<b>Other Information:</b>		N/A

### 3.3.2.3.1.2 Confirm complete transaction

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	Goods owner want to confirm that they are complete bill of lading to the system. It means that their customer got goods. They will get down payment back		
<b>Preconditions:</b>	<ol style="list-style-type: none"> <li>1. CTC must be connected to the Internet</li> <li>2. GWN browsed CTC website</li> <li>3. Go to bill of lading detail</li> </ol>		
<b>Trigger:</b>	Click “Hoàn thành giao dịch” button in bill of lading detail page		
<b>Post conditions:</b>	Return down payment of customer to account and update bill of lading detail page		
<b>Normal Flow</b>			
Step	Actor	Action	
1	GWN	Click “Hoàn thành giao dịch” button	
2	CTC	Display bill of lading detail page update	
<b>Alternative Flows:</b> N/A			
<b>Exceptions:</b> N/A			
<b>Priority</b>		Medium	
<b>Frequency of Use:</b>		Medium	
<b>Business Rules:</b>		B14	
<b>Other Information:</b>		N/A	

## 3.3.2.3.1.3 View bill of lading detail

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>			
<b>Description:</b>	GWN want to view bill of lading detail, they send request to system and then get result				
<b>Preconditions:</b>	1. “Tim Hàng Chuyển” navigator appear on homepage 2. Detail icon appear on bill of lading detail page				
<b>Trigger:</b>	Detail icon of bill of lading is clicked				
<b>Post conditions:</b>	Display bill of lading detail on bill of lading detail page				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	GWN	Click “Tim Hàng Vận Chuyển” navigator			
2	CTC	Display bill of lading list page			
3	GWN	Click “Chi Tiết” on bill of lading			
4	CTC	Display bill of lading detail on bill of lading detail page			
<b>Alternative Flows: N/A</b>					
<b>Exceptions: N/A</b>					
<b>Priority</b>	High				
<b>Frequency of Use:</b>	High				
<b>Business Rules:</b>	B33				
<b>Other Information:</b>	N/A				

## 3.3.2.3.1.4 Cancel bill of lading

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	Goods owner do not want to transport their goods. So they cancel bill of lading		
<b>Preconditions:</b>	Cancel button appear on bill of lading detail page		
<b>Trigger:</b>	“Hủy Đáu Giá” button is clicked		
<b>Post conditions:</b>	Bill of lading will be disable		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	GWN	Click “Hủy Đáu Giá” button	

2	CTC	Cancel bill of lading
3	CTC	Update bill of lading detail page
<b>Alternative Flows: N/A</b>		
<b>Exceptions: N/A</b>		
<b>Priority</b>		High
<b>Frequency of Use:</b>		High
<b>Business Rules:</b>		N/A
<b>Other Information:</b>		N/A
<b>3.3.2.3.1.5 Search bill of lading</b>		
<b>Created by:</b>		QuyetTD
<b>Primary Actor</b>		Goods owner
<b>Secondary Actor</b>		
<b>Description:</b>		GWN want to find a bill of lading
<b>Preconditions:</b>		<ol style="list-style-type: none"> <li>“Tìm Hàng Chuyển” navigator appear on header of website</li> <li>Search box appear on common page</li> </ol>
<b>Trigger:</b>		“Tìm Hàng Chuyển” navigator is clicked
<b>Post conditions:</b>		Display bill of lading system found on common page
<b>Normal Flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
1	GWN	Click “Tìm Hàng Chuyển” navigator one website
2	CTC	<p>Display summary bill of lading page includes:</p> <ul style="list-style-type: none"> <li>“Loại hàng” select box</li> <li>“Hình thức đóng gói” select box</li> <li>“Khối lượng” input text</li> <li>“Thể tích” input text</li> <li>“Địa điểm đi” select box</li> <li>“Địa điểm đến” select box</li> <li>“Thời gian đi” Date picker</li> <li>“Thời gian đến” Date picker</li> <li>“Tìm Kiếm” buttons</li> </ul>
3	GWN	Enter data in this fields
4	GWN	Click “Tìm Kiếm” button search page
5	CTC	Display bill of lading system found on common page
<b>Alternative Flows:</b>		

<b>AT1</b>	At step 4 in the main flows, if GWN click other hyperlinks or buttons		
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
5.1	CTC	Redirects GWN to chosen hyperlink or button	
<b>Exceptions: N/A</b>			
<b>Priority</b>		High	
<b>Frequency of Use:</b>		High	
<b>Business Rules:</b>		N/A	
<b>Other Information:</b>		N/A	

### 3.3.2.3.1.6 View carrier auction success

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>			
<b>Description:</b>	GWN want to view who auction bill of lading successful				
<b>Preconditions:</b>	1. Bill of lading is successful 2. Detail icon of bill of lading appear bill of lading detail page				
<b>Trigger:</b>	Detail icon of bill of lading appear bill of lading detail page is clicked				
<b>Post conditions:</b>	Display who are auction success on bill of lading detail page				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	GWN	Click “GIAO DỊCH CỦA TÔI” navigator			
2	CTC	Display bill of lading list page			
3	GWN	Click detail icon of bill of lading on Goods Owner Bill Of Lading page			
4	CTC	Display who are auction success on detail page			
<b>Alternative Flows: N/A</b>					
<b>Exceptions: N/A</b>					
<b>Priority</b>		Medium			
<b>Frequency of Use:</b>		Medium			
<b>Business Rules:</b>		B33			
<b>Other Information:</b>		N/A			

## 3.3.2.3.1.7 Post a new bill of lading

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	Goods owner want to transport their goods so create a new bill of lading in CTC system		
<b>Preconditions:</b>	“TẠO VẬN ĐƠN” navigator appear on header of website		
<b>Trigger:</b>	“TẠO VẬN ĐƠN” navigator is clicked		
<b>Post conditions:</b>	Register new bill of lading in CTC system		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	GWN	Click “Tạo Vận Đơn” navigator	
2	CTC	Display post bill of lading page includes: <ul style="list-style-type: none"> <li>- “Mã vận đơn” input text</li> <li>- “loại hàng” select box</li> <li>- “Hình thức đóng gói” select box</li> <li>- “Họ tên người gửi” input text</li> <li>- “Số điện thoại” input text</li> <li>- “Họ tên người nhận” input text</li> <li>- “Địa điểm gửi” select box</li> <li>- “Địa điểm nhận” select box</li> <li>- “Từ quận/huyện” select box</li> <li>- “Đến quận/huyện” select box</li> <li>- “Địa chỉ nơi gửi” input text</li> <li>- “Địa chỉ nơi nhận” input text</li> <li>- “Đặc điểm nơi gửi” input text</li> <li>- “Đặc điểm nơi nhận” input text</li> <li>- “Ngày gửi” date time picker</li> <li>- “Ngày nhận” date time picker</li> <li>- “Quãng đường” input text</li> <li>- “Khối lượng” input text</li> <li>- “Số lượng” input text</li> <li>- “Dài” input text</li> <li>- “Rộng” input text</li> <li>- “Cao” input text</li> <li>- “Hàng đông lạnh” check box</li> <li>- “Hàng dễ vỡ” check box</li> <li>- “Hình ảnh” button upload</li> <li>- “Mô tả” ricd textbox</li> <li>- “Fee đê xuất” input text</li> <li>- “Thời gian kết thúc Đấu Giá” date time picker</li> <li>- “Đăng ký” button</li> </ul>	

		- “Hủy bỏ” button
3	GWN	Enter data in fields
4	GWN	Click “Đăng ký” button on post bill of lading page
5	CTC	Save data in database (register bill of lading in database)
6	CTC	Display new bill of lading on bill of lading detail
<b>Alternative Flows:</b>		
<b>AT1</b>	at step 4, GWN click “Hủy bỏ” button	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Return bill of lading list page
<b>AT2</b>	At step 4 in the main flows, if GWN click other hyperlinks or buttons	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Redirects GWN to chosen hyperlink or button
<b>Exceptions:</b>		
<b>EC1</b>	At step 4, required fields are not entered	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
4.1	CTC	Display Register page with message error
4.2	CTC	Mark error fields
<b>EC2</b>	At step 4, fields are entered with wrong type of data	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
4.1	CTC	Display Register page with message error
4.2	CTC	Mark error fields
<b>Priority</b>	High	
<b>Frequency of Use:</b>	High	
<b>Business Rules:</b>	B4, B21, B34, B35, B36, B37, B38, B39, B40, B41, B42, B43, B44, B45, B46, B47, B48, B49, B50	
<b>Other Information:</b>	N/A	

## 3.3.2.3.2 Fee list group function

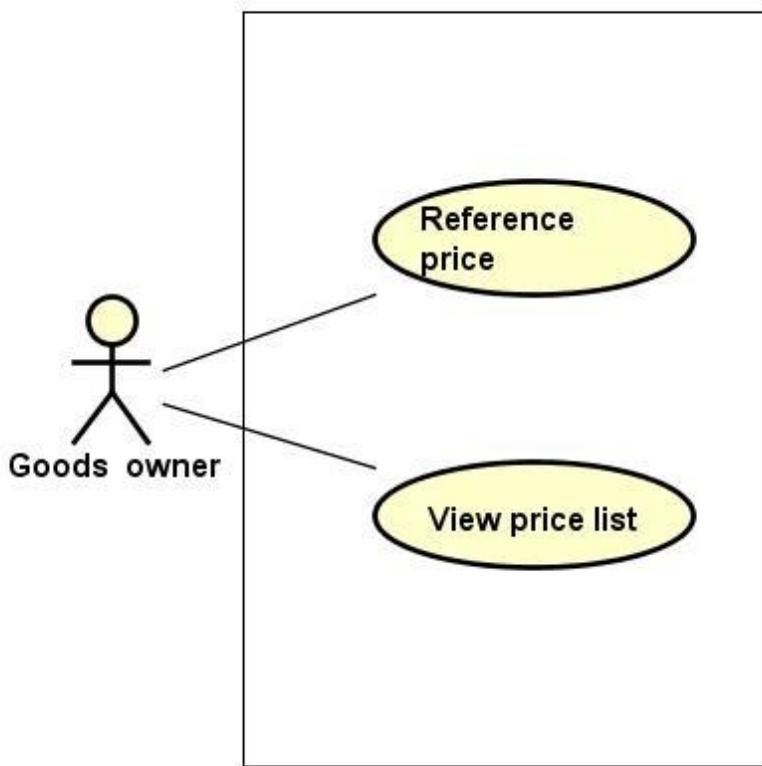


Figure 3.3-14: Fee list group function

## 3.3.2.3.2.1 View fee list

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	Goods owner want to view list of fee		
<b>Preconditions:</b>	1. “Hệ Thông” item appear on header of website 2. “BÁO GIÁ” navigator appear on header of website		
<b>Trigger:</b>	“Hệ Thông” item is clicked		
<b>Post conditions:</b>	Display fee list on fee list page		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	GWN	Click “BÁO GIÁ” navigator and then choose “Hệ Thông”	
2	CTC	Display fee list on fee list page	

<b>Exceptions: N/A</b>	
<b>Priority</b>	High
<b>Frequency of Use:</b>	High
<b>Business Rules:</b>	N/A
<b>Other Information:</b>	N/A

### 3.3.2.3.2.2 Reference fee

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>			
<b>Description:</b>	Goods owner want to reference actual fee system updated				
<b>Preconditions:</b>	1. “Tham Chiếu” item appear on header of website 2. “BÁO GIÁ” navigator appear on header of website				
<b>Trigger:</b>	“Tham chiếu” item is clicked				
<b>Post conditions:</b>	Display fee list on fee list page				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	GWN	Click “Tham chiếu” item			
2	CTC	Display fee list from other website			
<b>Alternative Flows: N/A</b>					
<b>Exceptions: N/A</b>					
<b>Priority</b>	Medium				
<b>Frequency of Use:</b>	Medium				
<b>Business Rules:</b>	N/A				
<b>Other Information:</b>	N/A				

## 3.3.2.3.3 Manage report group function

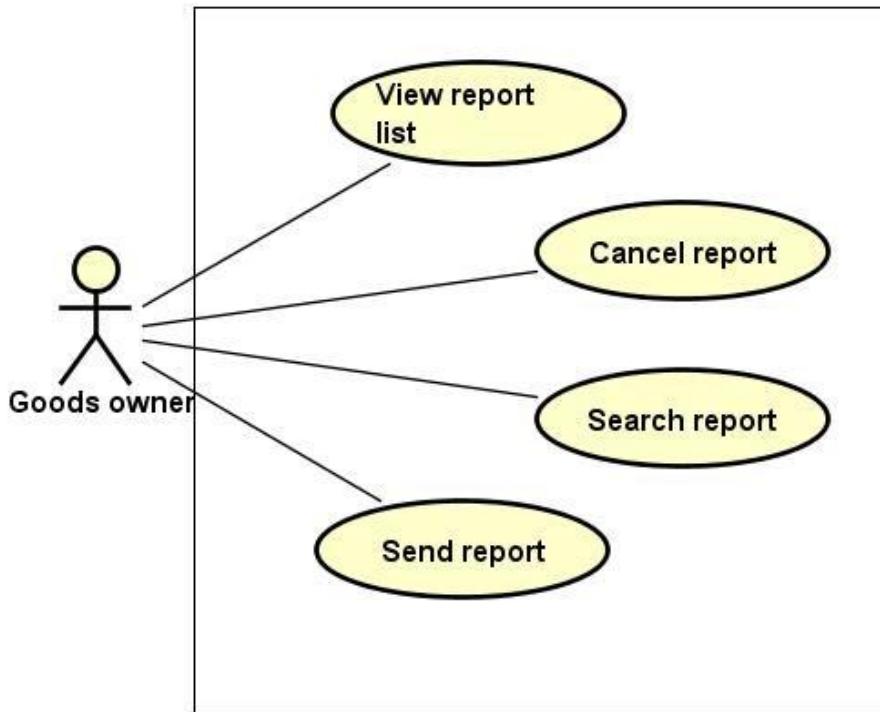


Figure 3.3-15: Manage report group function

## 3.3.2.3.3.1 Send report

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	Goods owner want to send report to admin		
<b>Preconditions:</b>	1. “BÁO CÁO CỦA TÔI” navigator appear on header of website 2. “Tạo báo cáo mới” button appear on list report user page		
<b>Trigger:</b>	“Tạo mới báo cáo” button is clicked		
<b>Post conditions:</b>	Send report to admin		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	GWN	Click “Tạo mới báo cáo” button	
2	CTC	Display add new report page includes:	

		<ul style="list-style-type: none"> <li>- “Chủ đề bạn muốn báo cáo là gì” input text</li> <li>- “Câu hỏi của bạn là gì” input text</li> <li>- “Bạn mong muốn xử lý như thế nào” input text</li> <li>- “Nội dung báo cáo của bạn” input text</li> <li>- “Gửi phản hồi” button</li> <li>- “Quay lại” button</li> </ul>
3	GWN	Enter data in fields
4	GWN	Click “Gửi phản hồi” button
5	CTC	Send report to admin
<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4, GWN click “Quay lại” button	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
5.1	CTC	Return report list page
<b>AT2</b>	At step 4 in the main flows, if GWN click other hyperlinks or buttons	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
5.1	CTC	Redirects GWN to chosen hyperlink or button
<b>Exceptions:</b>		
<b>EC1</b>	At step 3, required fields are not entered	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
5.1	CTC	Display Register page with message error
5.2	CTC	Mark error fields
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	N/A	
<b>Other Information:</b>	N/A	

### 3.3.2.3.3.2 View report list

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	GWN want to view report list		
<b>Preconditions:</b>	“BÁO CÁO CỦA TÔI” navigator appear on header of website		
<b>Trigger:</b>	“BÁO CÁO CỦA TÔI” navigator is clicked		
<b>Post conditions:</b>	Display report list on report list page		

Normal Flow		
Step	Actor	Action
1	GWN	Click “Báo Cáo Của Tôi” navigator
2	CTC	Display report list on report list page
Alternative Flows: N/A		
Exceptions: N/A		
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		High
<b>Business Rules:</b>		N/A
<b>Other Information:</b>		N/A
<b>3.3.2.3.3.3 Search report</b>		
<b>Created by:</b>		QuyetTD
<b>Date Created:</b>		08/03/2017
<b>Primary Actor</b>		Goods owner
<b>Secondary Actor</b>		
<b>Description:</b>		Goods owner want to find a report in report list
<b>Preconditions:</b>		1. “BÁO CÁO CỦA TÔI” navigator appear header of website 2. Search box appear on list report user page
<b>Trigger:</b>		“BÁO CÁO CỦA TÔI” navigator appear header of website
<b>Post conditions:</b>		Display report on report list page
Normal Flow		
Step	Actor	Action
1	GWN	GWN click “Quản Lý Report” navigator
2	CTC	Display search page includes: - “Tên tài khoản” - “Tên người dung” - “Tiêu đề báo cáo” - “Tìm kiếm” button - “ngày bắt đầu” input text - “ngày kết thúc” input text
3	GWN	Enter data in fields
4	GWN	Click “Tìm kiếm” button
5	CTC	Display result on report list page
Alternative Flows:		

<b>AT1</b>	At step 4 in the main flows, if GWN click other hyperlinks or buttons		
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
5.1	CTC	Redirects GWN to chosen hyperlink or button	
<b>Exceptions: N/A</b>			
<b>Priority</b>		Medium	
<b>Frequency of Use:</b>		Medium	
<b>Business Rules:</b>		N/A	
<b>Other Information:</b>		N/A	

#### 3.3.2.3.3.4 Cancel report

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>			
<b>Description:</b>	GWN want to cancel their report				
<b>Preconditions:</b>	“BÁO CÁO CỦA TÔI” navigator appear on header of website				
<b>Trigger:</b>	“BÁO CÁO CỦA TÔI” navigator is clicked				
<b>Post conditions:</b>	Cancel this report				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	GWN	Click “Báo Cáo Của Tôi” navigator			
2	GWN	Click cancel report icon			
2	CTC	Cancel this report			
<b>Alternative Flows: N/A</b>					
<b>Exceptions: N/A</b>					
<b>Priority</b>		Medium			
<b>Frequency of Use:</b>		High			
<b>Business Rules:</b>		N/A			
<b>Other Information:</b>		N/A			

## 3.3.2.3.4 Manage profile group function

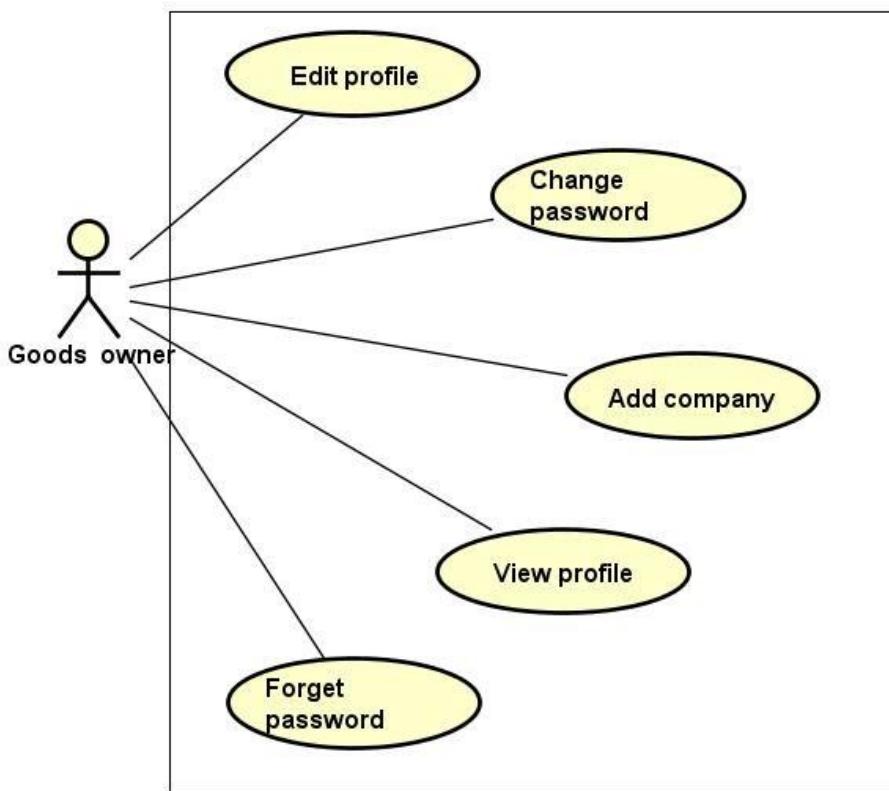


Figure 3.3-16: Manage profile group function

## 3.3.2.3.4.1 Edit profile

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	Goods owner want to edit goods owner profile		
<b>Preconditions:</b>	“Thay Đổi” button appear on detail user view page		
<b>Trigger:</b>	“Thay Đổi” button on detail user view page is clicked		
<b>Post conditions:</b>	Save goods owner profile in database		
<b>Normal Flow</b>			
Step	Actor	<b>Action</b>	
1	GWN	Hover mouser to user name label and click “Chỉnh Sửa Thông Tin” item	
2	CTC	Display pop-up includes:	

		<ul style="list-style-type: none"> <li>- “Chọn ảnh” file chooser</li> <li>- “Họ tên” input text</li> <li>- “Bạn là” (phân quyền quản trị) check box</li> <li>- “Email” input text</li> <li>- “Địa chỉ” input text</li> <li>- “Chứng minh thư” input text</li> <li>- “Ngày cấp thẻ” date picker</li> <li>- “Ngày tham gia” date picker</li> <li>- “Thay Đổi” button</li> </ul>
3	GWN	Change data in this fields
4	GWN	Click “Lưu Thay Đổi” button
5	CTC	Save changed in database
6	CTC	Display changed on user detail page

**Alternative Flows:**

<b>AT1</b>	At step 4, GWN click “x” in pop-up
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<b>Step</b>	<b>Actor</b>	<b>Action</b>
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4.1	GWN	click “x” in pop-up
-----	-----	---------------------

6.1	CTC	Display user detail page
-----	-----	--------------------------

<b>AT2</b>	At step 4 in the main flows, if GWN click other hyperlinks or buttons
------------	---

<b>Step</b>	<b>Actor</b>	<b>Action</b>
-------------	--------------	---------------

6.1	CTC	Redirects GWN to chosen hyperlink or button
-----	-----	---

**Exceptions: N/A**

<b>Priority</b>	Medium
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<b>Frequency of Use:</b>	Medium
--------------------------	--------

<b>Business Rules:</b>	N/A
------------------------	-----

<b>Other Information:</b>	N/A
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**3.3.2.3.4.2 Change password**

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	GWN want to change their password for security		
<b>Preconditions:</b>	“Thay đổi mật khẩu” item appear on top navigator		
<b>Trigger:</b>	“Thay đổi mật khẩu” item is clicked		
<b>Post conditions:</b>	Change password of goods owner		

<b>Normal Flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
1	GWN	Hover mouse to user name label and click “Đổi mật khẩu” item
2	CTC	Display change password page includes: <ul style="list-style-type: none"> <li>- “Mật khẩu cũ” input text</li> <li>- “Mật khẩu mới” input text</li> <li>- “Xác nhận mật khẩu” input text</li> <li>- “Đổi mật khẩu” button</li> </ul>
3	GWN	Enter data in this fields
4	GWN	Click “Đổi mật khẩu” button
5	CTC	Save new password in database
6	CTC	Display “Thay đổi thành công” message on pop-up
<b>Alternative Flows: N/A</b>		
<b>AT1</b>	At step 4 in the main flows, if GWN click other hyperlinks or buttons	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Redirects GWN to chosen hyperlink or button
<b>Exceptions:</b>		
<b>EC1</b>	At step 3, required fields are not entered	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>EC2</b>	At step 3, fields are entered with wrong type of data	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>EC3</b>	At step 3, password is wrong	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>EC4</b>	At step 3, new password and confirm password are not match	
<b>Step</b>	<b>Actor</b>	<b>Action</b>

6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		Medium
<b>Business Rules:</b>		B12, B15
<b>Other Information:</b>		N/A

### 3.3.2.3.4.3 Add company

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>			
<b>Description:</b>	Goods owner want to add company information to their profile.				
<b>Preconditions:</b>	“Thêm mới” button appear below “THÔNG TIN CÔNG TY” label				
<b>Trigger:</b>	“Thêm mới” button on view user detail page is clicked				
<b>Post conditions:</b>	Add company information to user				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	GWN	Click “Thêm thông tin công ty” button on view user detail page			
2	CTC	Display add company information for user pop-up includes: <ul style="list-style-type: none"> <li>- “Tên công ty” input text</li> <li>- “Email” input text</li> <li>- “Số điện thoại” input text</li> <li>- “Fax” input text</li> <li>- “Địa chỉ” input text</li> <li>- “Mã số thuế” input text</li> <li>- “Hủy bỏ” button</li> </ul>			
3	GWN	<ul style="list-style-type: none"> <li>- Enter data on fields</li> <li>- Click “Xác nhận” button</li> </ul>			
4	CTC	Add company information for user			
<b>Alternative Flows: N/A</b>					
<b>AT1</b>	At step 3 in the main flows, GWN click “Hủy bỏ” button				
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
4.1	CTC	Close “Thêm thông tin công ty” pop-up			
<b>Exceptions: N/A</b>					
<b>EC1</b>	At step 3, required fields are not entered				

Step	Actor	Action
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>EC2</b>	At step 3, fields are entered with wrong type of data	
Step	Actor	Action
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	N/A	
<b>Other Information:</b>	N/A	

#### 3.3.2.3.4.4 Forget password

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	Goods owner forget password. They want to reset password		
<b>Preconditions:</b>	“Quên mật khẩu” label appear on login page		
<b>Trigger:</b>	“Quên mật khẩu” label on login page is clicked		
<b>Post conditions:</b>	System send new password to goods owner's email		
<b>Normal Flow</b>			
Step	Actor	Action	
1	GWN	GWN click “Quên mật khẩu” on login page	
2	CTC	Display forget password page includes: - “Email đăng ký” input text - “Gửi” button	
3	GWN	Enter email address they use for register goods owner account	
4	CTC	Send new password to goods owner's email address	
<b>Alternative Flows: N/A</b>			
<b>Exceptions: N/A</b>			
<b>Priority</b>	Medium		
<b>Frequency of Use:</b>	High		

<b>Business Rules:</b>	B22
<b>Other Information:</b>	N/A

### 3.3.2.3.4.5 View profile

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>			
<b>Description:</b>	Goods owner want to view admin's profile				
<b>Preconditions:</b>	“Thông Tin Cá Nhân” item appear on top navigator				
<b>Trigger:</b>	“Thông Tin Cá Nhân” item is clicked				
<b>Post conditions:</b>	Display GWN profile				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	GWN	Hover mouse to user name label and click “Thông Tin Cá Nhân” item			
2	CTC	Display user detail on user detail page			
<b>Alternative Flows: N/A</b>					
<b>Exceptions: N/A</b>					
<b>Priority</b>	Medium				
<b>Frequency of Use:</b>	High				
<b>Business Rules:</b>	N/A				
<b>Other Information:</b>	N/A				

## 3.3.2.3.5 Transaction history group function

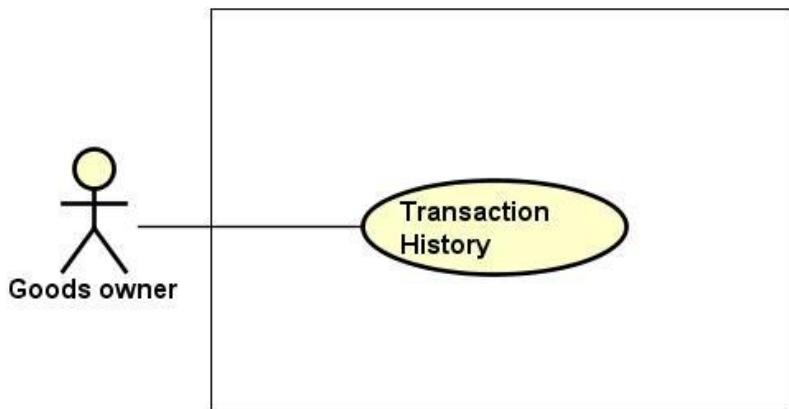


Figure 3.3-17: Transaction group function

## 3.3.2.3.5.1 Transaction history

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>			
<b>Description:</b>	Goods owner want to check money in account and what did they do with money				
<b>Preconditions:</b>	“Thông tin giao dịch” item appear on top navigator				
<b>Trigger:</b>	“Thông tin giao dịch” item is clicked				
<b>Post conditions:</b>	Display money in account and transaction history				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	GWN	Hover mouse to user name and Click “Thông tin giao dịch” item			
2	CTC	Display money in account and transaction history			
<b>Alternative Flows: N/A</b>					
<b>Exceptions: N/A</b>					
<b>Priority</b>	Medium				
<b>Frequency of Use:</b>	Medium				
<b>Business Rules:</b>	N/A				
<b>Other Information:</b>	N/A				

## 3.3.2.3.6 Account recharge group function

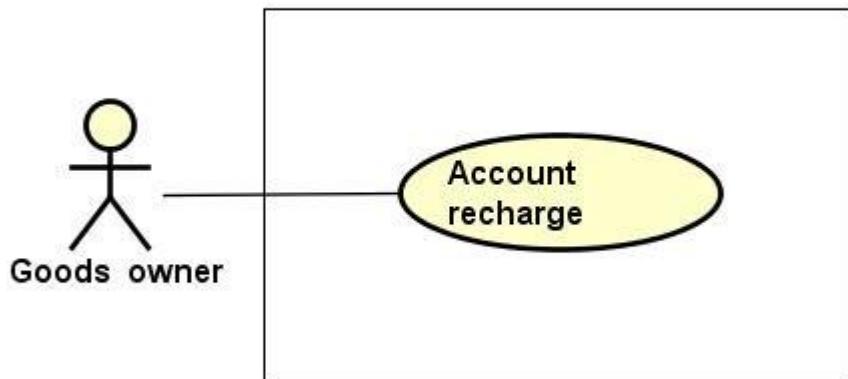


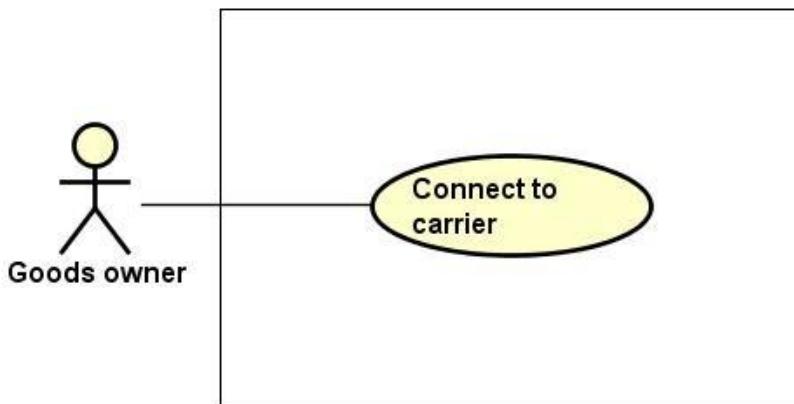
Figure 3.3-18: Account recharge group function

## 3.3.2.3.6.1 Account recharge

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	Goods owner want to account recharge to account for post bill of lading		
<b>Preconditions:</b>	“Nạp tiền vào tài khoản” item appear on top navigator		
<b>Trigger:</b>	“Nạp tiền vào tài khoản” item is clicked		
<b>Post conditions:</b>	Recharge the user account		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	GWN	Hover mouse to user name and Click “Nạp tiền vào tài khoản” button	
2	CTC	Display “nganluong.vn” website includes 3 item for 3 way to recharge to account: <ul style="list-style-type: none"> <li>- “Ví điện tử Ngân Lượng” button</li> <li>- “Thẻ cào điện thoại” button</li> <li>- “Online bằng thẻ ATM(Internet banking” button</li> <li>- “Chuyển khoản ngân hàng” button</li> </ul>	
3	GWN	Click one of three button for choose how to recharge to account	
4	CTC	Display the way user chose to recharge account	
5	GWN	GWN do something follow “Ngân Lượng” guide	

6	CTC	Add money to user account
<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4 in the main flows, if GWN click other hyperlinks or buttons	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
5.1	CTC	Redirects user to chosen hyperlink or button
<b>Exceptions: N/A</b>		
<b>Priority</b>		High
<b>Frequency of Use:</b>		High
<b>Business Rules:</b>		N/A
<b>Other Information:</b>		N/A

### 3.3.2.3.7 Connect to carrier group function



**Figure 3.3-19: Connect to carrier group function**

#### 3.3.2.3.7.1 Connect to carrier

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	Goods owner want to connect to carrier		
<b>Preconditions:</b>	Bill of lading is successful		
<b>Trigger:</b>	“Reply” item on bill of lading detail page is clicked		

<b>Post conditions:</b>		Send comment to carrier
<b>Normal Flow</b>		
Step	Actor	Action
1	GWN	Click “Chi Tiết” on a bill of lading
2	CTC	Display bill of lading detail comment includes: - “Hỏi Đáp” input text
3	GWN	Enter data in fields
4	GWN	Press enter key word on keyboard
5	CTC	Send comment to carrier
<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4 in the main flows, if GWN click other hyperlinks or buttons	
Step	Actor	Action
5.1	CTC	Redirects user to chosen hyperlink or button
<b>Exceptions: N/A</b>		
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		Medium
<b>Business Rules:</b>		B14
<b>Other Information:</b>		N/A

## 3.3.2.3.8 Login group function

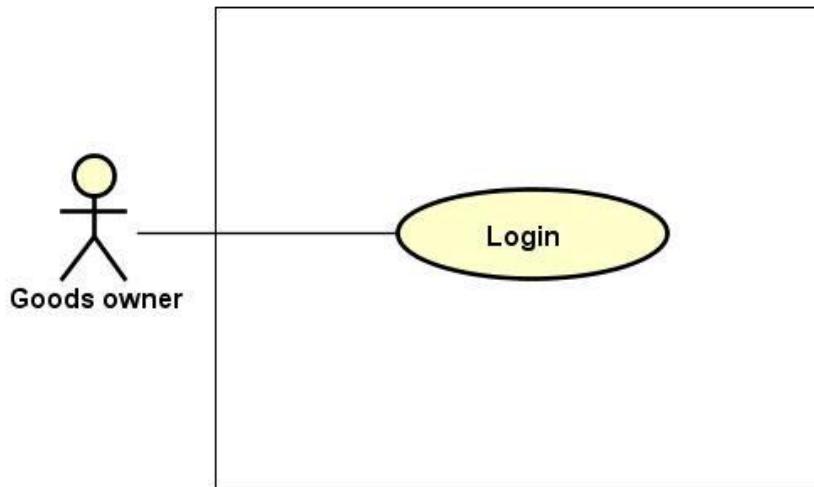


Figure 3.3-20: Login group function

## 3.3.2.3.8.1 Login

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	Goods owner want to login to CTC system for work		
<b>Preconditions:</b>	“Đăng nhập” button appear on login page		
<b>Trigger:</b>	“Đăng nhập” button on login page is clicked		
<b>Post conditions:</b>	GWN login to CTC system		
<b>Normal Flow</b>			
Step	Actor	<b>Action</b>	
1	GWN	Click “Đăng nhập” on homepage	
2	CTC	Display login page includes: - “Email” input text - “Mật khẩu” input text - “Đăng nhập” button	
3	GWN	Enter data in fields	
4	CTC	Login account to CTC	

<b>Alternative Flows: N/A</b>		
<b>Exceptions:</b>		
<b>EC1</b>	At step 4, required fields are not entered	
<b>Step</b> <b>Actor</b> <b>Action</b>		
4.1	CTC	Display Register page with message error
4.2	CTC	Mark error fields
<b>EC2</b>	At step 4, fields are entered with wrong type of data	
<b>Step</b> <b>Actor</b> <b>Action</b>		
4.1	CTC	Display Register page with message error
4.2	CTC	Mark error fields
<b>Priority</b>	High	
<b>Frequency of Use:</b>	High	
<b>Business Rules:</b>	B2, B11	
<b>Other Information:</b>	N/A	

### 3.3.2.3.9 Logout group function

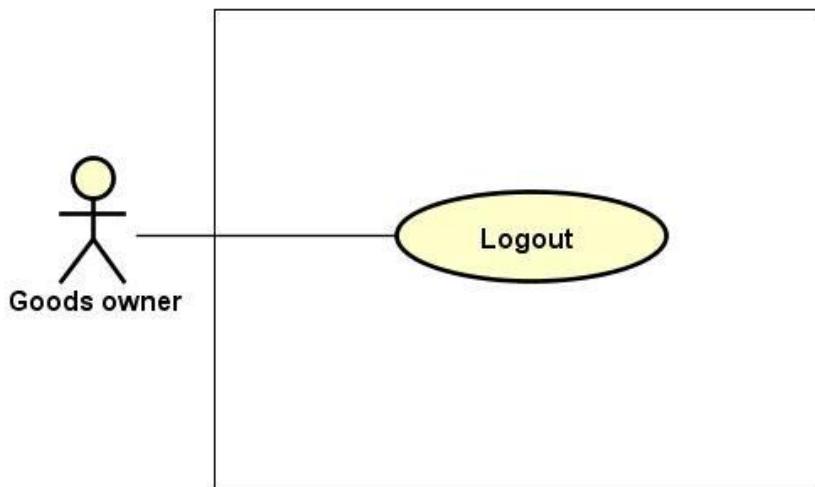


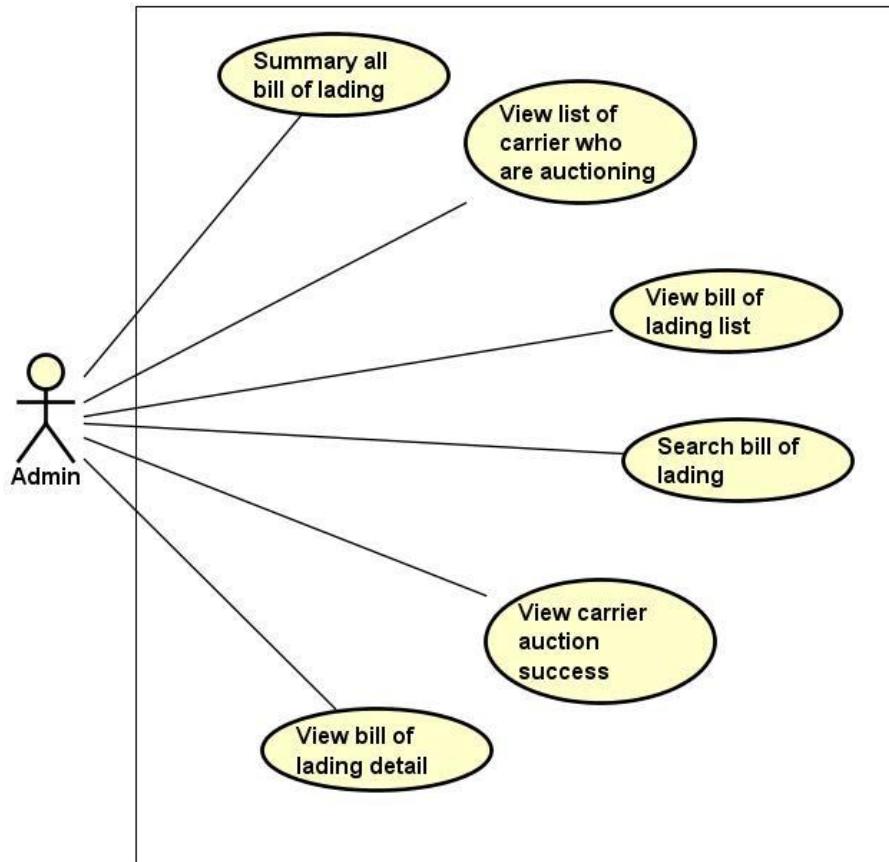
Figure 3.3-21: Logout group function

## 3.3.2.3.9.1 Logout

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Goods owner	<b>Secondary Actor</b>	
<b>Description:</b>	Goods owner want to logout CTC system		
<b>Preconditions:</b>	“Đăng xuất” button appear on top navigator		
<b>Trigger:</b>	“Đăng xuất” button is clicked		
<b>Post conditions:</b>	Logout Goods owner account		
<b>Normal Flow</b>			
Step	Actor	Action	
1	GWN	Click “Đăng xuất” in website	
2	CTC	Logout Goods owner account	
3	CTC	Return homepage	
<b>Alternative Flows: N/A</b>			
<b>Exceptions: N/A</b>			
<b>Priority</b>	High		
<b>Frequency of Use:</b>	High		
<b>Business Rules:</b>	N/A		
<b>Other Information:</b>	N/A		

### 3.3.2.4 Admin Group Function

#### 3.3.2.4.1 Bill of lading list group function



**Figure 3.3-22: Bill of lading list group function**

##### 3.3.2.4.1.1 Summary all bill of lading

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to summary all bill of lading by bill of lading detail		
<b>Preconditions:</b>	“THÔNG KÊ VẬN ĐƠN” navigator appear on header of website		
<b>Trigger:</b>	“THÔNG KÊ VẬN ĐƠN” navigator on header is clicked		
<b>Post conditions:</b>	Summary all bill of lading and display result on summary bill of lading page		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	

1	Admin	Click “Thông Kê Vận Đơn” navigator
2	CTC	Display summary bill of lading page includes: <ul style="list-style-type: none"> <li>- “Loại hàng” select box</li> <li>- “Hình thức đóng gói” select box</li> <li>- “Khối lượng” input text</li> <li>- “Thể tích” input text</li> <li>- “Địa điểm đi” select box</li> <li>- “Địa điểm đến” select box</li> <li>- “Thời gian đi” input text</li> <li>- “Thời gian đến” input text</li> <li>- “Tìm Kiếm” buttons</li> </ul>
3	Admin	Enter data in this fields
4	Admin	Click “Tìm Kiếm” button
5	CTC	Summary all bill of lading
6	CTC	Display result on this page

**Alternative Flows:**

<b>AT1</b>	At step 4 in the main flows, if admin click other hyperlinks or buttons
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<b>Step</b>	<b>Actor</b>	<b>Action</b>
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6.1	CTC	Redirects user to chosen hyperlink or button
-----	-----	--

**Exceptions: N/A**

<b>Priority</b>	Medium
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<b>Frequency of Use:</b>	Medium
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<b>Business Rules:</b>	N/A
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<b>Other Information:</b>	N/A
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**3.3.2.4.1.2 View bill of lading list**

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to view all bill of lading		
<b>Preconditions:</b>	“Tìm Hàng Chuyển” navigator appear on header of website		
<b>Trigger:</b>	“Tìm Hàng Chuyển” navigator is clicked		
<b>Post conditions:</b>	Display bill of lading list on common page		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	

1	Admin	Click “Tìm Hàng Chuyển” navigator
2	CTC	Display bill of lading list on common page
<b>Alternative Flows: N/A</b>		
<b>Exceptions: N/A</b>		
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		High
<b>Business Rules:</b>		N/A
<b>Other Information:</b>		N/A

#### 3.3.2.4.1.3 Search bill of lading

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	User want to find a bill of lading		
<b>Preconditions:</b>	1. “Tìm Hàng Chuyển” navigator appear on header of website 2. Search box appear on common page		
<b>Trigger:</b>	“Tìm Hàng Chuyển” navigator is clicked		
<b>Post conditions:</b>	Display bill of lading system found		

#### Normal Flow

<b>Step</b>	<b>Actor</b>	<b>Action</b>
1	Admin	Click “Tìm Hàng Chuyển” navigator one website
2	CTC	Display summary bill of lading page includes: <ul style="list-style-type: none"> <li>- “Loại hàng” select box</li> <li>- “Hình thức đóng gói” select box</li> <li>- “Khối lượng” input text</li> <li>- “Thể tích” input text</li> <li>- “Địa điểm đi” select box</li> <li>- “Địa điểm đến” input text</li> <li>- “Thời gian đi” Date picker</li> <li>- “Thời gian đến” Date text</li> <li>- “Trạng thái” select box</li> <li>- “Tìm Kiếm” buttons</li> </ul>
3	Admin	Enter data in this fields
4	Admin	Click “Tìm Kiếm” button search page
5	CTC	Display result on common page
<b>Alternative Flows:</b>		

<b>AT1</b>	At step 4 in the main flows, if user click other hyperlinks or buttons		
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
5.1	CTC	Redirects user to chosen hyperlink or button	
<b>Exceptions: N/A</b>			
<b>Priority</b>		High	
<b>Frequency of Use:</b>		High	
<b>Business Rules:</b>		N/A	
<b>Other Information:</b>		N/A	

#### 3.3.2.4.1.4 View bill of lading detail

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>			
<b>Description:</b>	Admin want to view bill of lading detail, they send request to system and then get result				
<b>Preconditions:</b>	1. “Tim Hàng Chuyển” navigator appear on homepage 2. Detail icon appear on bill of lading detail page				
<b>Trigger:</b>	Detail icon of bill of lading is clicked				
<b>Post conditions:</b>	Display bill of lading detail on this page				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	Admin	Click “Tim Hàng Vận Chuyển” navigator			
2	CTC	Display bill of lading list page			
3	Admin	Click “Chi Tiết” on bill of lading			
4	CTC	Display bill of lading detail on this page			
<b>Alternative Flows: N/A</b>					
<b>Exceptions: N/A</b>					
<b>Priority</b>		High			
<b>Frequency of Use:</b>		High			
<b>Business Rules:</b>		B33			
<b>Other Information:</b>		N/A			

#### 3.3.2.4.1.5 View carrier auction success

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
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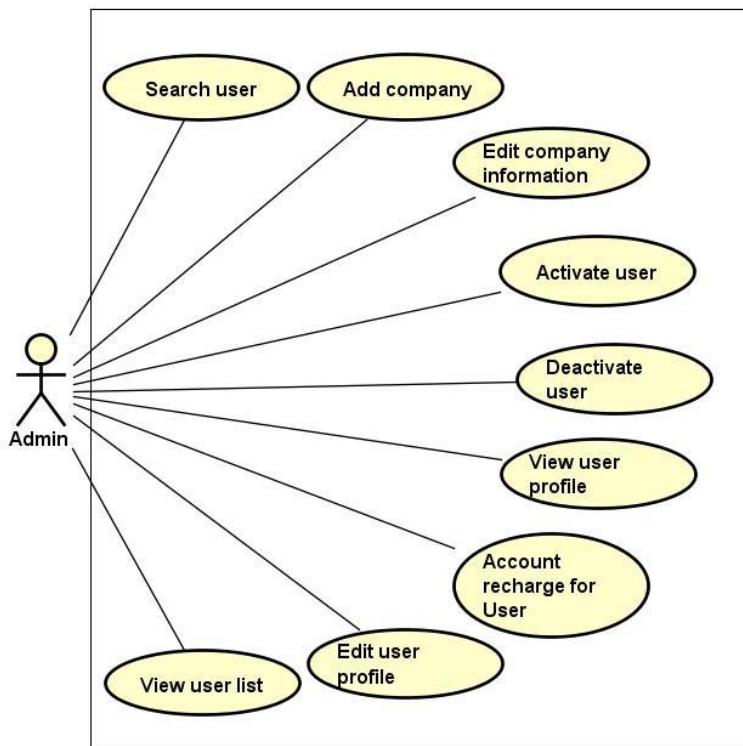
Primary Actor	Administration	Secondary Actor	
<b>Description:</b>	Admin want to view who auction bill of lading successful		
<b>Preconditions:</b>	1. Bill of lading is successful 2. Detail icon of bill of lading appear bill of lading detail page		
<b>Trigger:</b>	Detail icon of bill of lading appear bill of lading detail page is clicked		
<b>Post conditions:</b>	Display who are auction success on bill of lading detail page		
<b>Normal Flow</b>			
Step	Actor	Action	
1	Admin	Click “Tim Hàng Vận Chuyển” navigator	
2	CTC	Display bill of lading list page	
3	Admin	Click “Chi Tiết” on “Tim Hàng Chuyển” page	
4	CTC	Display who are auction success on detail page	
<b>Alternative Flows: N/A</b>			
<b>Exceptions: N/A</b>			
<b>Priority</b>	Medium		
<b>Frequency of Use:</b>	Medium		
<b>Business Rules:</b>	B33		
<b>Other Information:</b>	N/A		

#### 3.3.2.4.1.6 View list carrier who are auctioning

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to know who are auctioning. Admin send request to system and get result		
<b>Preconditions:</b>	1. Bill of lading is auctioning 2. Detail icon of bill of lading appear bill of lading detail page		
<b>Trigger:</b>	Detail icon of bill of lading appear bill of lading detail page is clicked		
<b>Post conditions:</b>	Display who are auctioning on bill of lading detail page		
<b>Normal Flow</b>			
Step	Actor	Action	
1	Admin	Click “Tim Hàng Vận Chuyển” navigator	

2	CTC	Display bill of lading list page
3	Admin	Click detail icon on bill of lading
4	CTC	Display who are auctioning on bill of lading detail page
<b>Alternative Flows: N/A</b>		
<b>Exceptions: N/A</b>		
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		High
<b>Business Rules:</b>		N/A
<b>Other Information:</b>		N/A

### 3.3.2.4.2 Manage user group function



**Figure 3.3-23: Manage user group function**

#### 3.3.2.4.2.1 Search user

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	

<b>Description:</b>	Admin want to find a user in user list. Admin send request to system and then get result	
<b>Preconditions:</b>	1. “QUẢN LÝ NGƯỜI DÙNG” navigator appear on header of website 2. Search box appear on list user page	
<b>Trigger:</b>	“QUẢN LÝ NGƯỜI DÙNG” navigator is clicked	
<b>Post conditions:</b>	Display user list by require of admin on list user page	
<b>Normal Flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
1	Admin	Click “Quản Lý User” navigator
2	CTC	Display search user page includes: - “Tên người dùng” input text - “email” input text - “Tỉnh” input text - “Quyền truy cập” select box - “Tìm kiếm” button
3	Admin	Enter data in all or more than one fields
4	Admin	Click “Tìm Kiếm” button on manage user page
5	CTC	Display user list by require of admin on list user page
<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4 in the main flows, if user click other hyperlinks or buttons	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
5.1	CTC	Redirects admin to chosen hyperlink or button
<b>Exceptions: N/A</b>		
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	N/A	
<b>Other Information:</b>	N/A	

### 3.3.2.4.2.2 View user profile

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to view user profile		
<b>Preconditions:</b>	1. “QUẢN LÝ NGƯỜI DÙNG” navigator appear on header		

	of website 2. Detail icon of bill of lading appear on list user page	
<b>Trigger:</b>	Detail icon of bill of lading is clicked	
<b>Post conditions:</b>	Display user detail on user detail page	
<b>Normal Flow</b>		
Step	Actor	Action
1	Admin	Click “Chi Tiết” on user detail page
2	CTC	Display user detail on user detail page
<b>Alternative Flows: N/A</b>		
<b>Exceptions: N/A</b>		
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	B27	
<b>Other Information:</b>	N/A	

#### 3.3.2.4.2.3 Edit company information

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to add company information to user.		
<b>Preconditions:</b>	1. “QUẢN LÝ NGƯỜI DÙNG” navigator appear on header of website 2. Detail icon of user detail appear on user detail page 3. “Thay Đổi” button appear on “Thông Tin Công Ty” box		
<b>Trigger:</b>	“Thay Đổi” button is clicked		
<b>Post conditions:</b>	Edit company information to user		
<b>Normal Flow</b>			
Step	Actor	Action	
1	Admin	Click “Thay đổi” button on view user company detail	
2	CTC	Display add company information for user pop-up includes:	
		<ul style="list-style-type: none"> <li>- “Tên công ty” input text</li> <li>- “Email” input text</li> <li>- “Số điện thoại” input text</li> <li>- “Fax” input text</li> <li>- “Địa chỉ” input text</li> <li>- “Mã số thuế” input text</li> </ul>	

		- “Hủy bỏ” button
3	Admin	- Enter data on fields - Click “Xác nhận” button
4	CTC	- Edit company information for user
<b>Alternative Flows: N/A</b>		
<b>AT1</b>	At step 3 in the main flows, admin click “Hủy bỏ” button	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
4.1	CTC	Close “Chỉnh sửa thông tin công ty” pop-up
<b>Exceptions: N/A</b>		
<b>EC1</b>	At step 3, required fields are not entered	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>EC2</b>	At step 3, fields are entered with wrong type of data	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	N/A	
<b>Other Information:</b>	N/A	

#### 3.3.2.4.2.4 Edit user profile

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to change user profile		
<b>Preconditions:</b>	1. “QUẢN LÝ NGƯỜI DÙNG” navigator appear on header of website 2. Detail icon of user detail appear on user detail page 3. “Thay Đổi” button appear on “Thông Tin Cá Nhân” box		
<b>Trigger:</b>	“Thay Đổi” button appear on “Thông Tin Cá Nhân” box is clicked		
<b>Post conditions:</b>	Save user profile in database and display user profile one detail user view page		

Normal Flow		
Step	Actor	Action
1	Admin	Admin click “Thay Đổi” button
2	CTC	<p>Display pop-up includes:</p> <ul style="list-style-type: none"> <li>- “Chọn ảnh” file chooser</li> <li>- “Họ tên” input text</li> <li>- “Bạn là” (phân quyền quản trị) check box</li> <li>- “Email” input text</li> <li>- “Địa chỉ” input text</li> <li>- “Chứng minh thư” input text</li> <li>- “Ngày cấp thẻ” date picker</li> <li>- “Ngày tham gia” date picker</li> <li>- “Thay Đổi” button</li> </ul>
3	Admin	Change data in this fields
4	Admin	Click “Lưu Thay Đổi” button
5	CTC	Save changed in database
6	CTC	Display changed on detail user view page
Alternative Flows:		
<b>AT1</b>	At step 4, admin click “x” in pop-up	
Step	Actor	Action
6.1	CTC	Display user detail page
<b>AT2</b>	At step 4 in the main flows, if user click other hyperlinks or buttons	
Step	Actor	Action
6.1	CTC	Redirects user to chosen hyperlink or button
Exceptions: N/A		
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	B27	
<b>Other Information:</b>	N/A	

#### 3.3.2.4.2.5 Account recharge for user

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to recharge account for user		

<b>Preconditions:</b>	1. “QUẢN LÝ NGƯỜI DÙNG” navigator appear on header of website 2. Detail icon of user detail appear on user detail page 3. “Nạp tiền” button appear on “Thông Tin Cá Nhân” box	
<b>Trigger:</b>	“Nạp Tiền” button on view user detail page is clicked	
<b>Post conditions:</b>	Recharge account for user	
<b>Normal Flow</b>		
Step	Actor	Action
1	Admin	Click “Nạp Tiền” button on view user detail page
2	CTC	Display Recharge account for user pop-up includes: - “Số tiền” input text - “Xác nhận” button - “Hủy bỏ” button
3	Admin	- Enter data on “Số tiền” input text - Click “Xác nhận” button
4	Admin	- Recharge account for user - Updated view user detail page
<b>Alternative Flows: N/A</b>		
<b>AT1</b>	At step 3 in the main flows, admin click “Hủy bỏ” button	
Step	Actor	Action
4.1	CTC	Close “Nạp Tiền” pop-up
<b>Exceptions: N/A</b>		
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	N/A	
<b>Other Information:</b>	N/A	

### 3.3.2.4.2.6 Activate user

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to active user account. This user can do something on website		
<b>Preconditions:</b>	1. “QUẢN LÝ NGƯỜI DÙNG” navigator appear on header of website 2. Activate icon of user appear on user detail page		

	3. User is deactivated	
<b>Trigger:</b>	Activate icon of user appear on user detail page is clicked	
<b>Post conditions:</b>	User become active status	
<b>Normal Flow</b>		
Step	Actor	Action
1	Admin	Click “Active” button one user list page
2	CTC	Active account to active status
<b>Alternative Flows: N/A</b>		
<b>Exceptions: N/A</b>		
<b>Priority</b>	High	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	B27	
<b>Other Information:</b>	N/A	

#### 3.3.2.4.2.7 Deactivate user

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to make an account to deactivate. This account can't work on website		
<b>Preconditions:</b>	1. “QUẢN LÝ NGƯỜI DÙNG” navigator appear on header of website 2. Activate icon of user appear on user detail page 3. User is active		
<b>Trigger:</b>	Deactivate icon on user list page is clicked		
<b>Post conditions:</b>	Admin is deactivation status and this user can't work on website		
<b>Normal Flow</b>			
Step	Actor	Action	
1	Admin	Click “Deactivate” button on user list page	
2	CTC	Set user to deactivation status	
<b>Alternative Flows: N/A</b>			
<b>Exceptions: N/A</b>			
<b>Priority</b>	High		
<b>Frequency of Use:</b>	Medium		

<b>Business Rules:</b>	B27
<b>Other Information:</b>	N/A

### 3.3.2.4.2.8 Add company

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>			
<b>Description:</b>	Admin want to add company information to user.				
<b>Preconditions:</b>	1. “QUẢN LÝ NGƯỜI DÙNG” navigator appear on header of website 2. Detail icon of user appear on user detail page 3. “Thêm mới” button appear on “Thông tin công ty” box				
<b>Trigger:</b>	“Thêm mới” button on view user detail page is clicked				
<b>Post conditions:</b>	Add company information to user				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	Admin	Click “Thêm mới” button on view user detail page			
2	CTC	Display add company information for user pop-up includes: - “Tên công ty” input text - “Email” input text - “Số điện thoại” input text - “Fax” input text - “Địa chỉ” input text - “Mã số thuế” input text - “Hủy bỏ” button			
3	Admin	- Enter data on fields - Click “Xác nhận” button			
4	CTC	- Add company information for user			
<b>Alternative Flows: N/A</b>					
<b>AT1</b>	At step 3 in the main flows, admin click “Hủy bỏ” button				
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
4.1	CTC	Close “Thêm thông tin công ty” pop-up			
<b>Exceptions: N/A</b>					
<b>EC1</b>	At step 3, required fields are not entered				
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
6.1	CTC	Display Register page with message error			

6.2	CTC	Mark error fields
<b>EC2</b>	At step 3, fields are entered with wrong type of data	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		Medium
<b>Business Rules:</b>		N/A
<b>Other Information:</b>		N/A

#### 3.3.2.4.2.9 View user list

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to view user list of CTC		
<b>Preconditions:</b>	“QUẢN LÝ NGƯỜI DÙNG” navigator appear on header of website		
<b>Trigger:</b>	“QUẢN LÝ NGƯỜI DÙNG” navigator is clicked		
<b>Post conditions:</b>	Display user list on list user page		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	Admin	Click “Quản lý người dùng” navigator	
2	CTC	Display user list on list user page	
<b>Alternative Flows: N/A</b>			
<b>Exceptions: N/A</b>			
<b>Priority</b>		Medium	
<b>Frequency of Use:</b>		Medium	
<b>Business Rules:</b>		N/A	
<b>Other Information:</b>		N/A	

## 3.3.2.4.3 Fee list group function

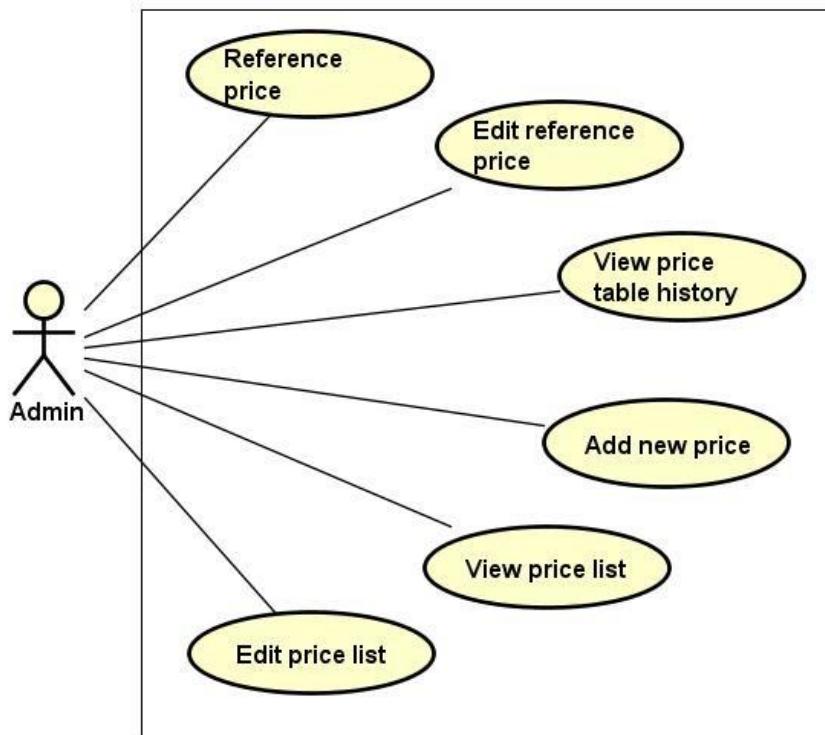


Figure 3.3-24: Fee list group function

## 3.3.2.4.3.1 View fee list

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to view list of fee		
<b>Preconditions:</b>	1. “Hệ Thống” item appear on header of website 2. “BÁO GIÁ” navigator appear on header of website		
<b>Trigger:</b>	“Hệ Thống” item is clicked		
<b>Post conditions:</b>	Display fee list on fee list page		
<b>Normal Flow</b>			
Step	Actor	<b>Action</b>	
1	Admin	Hover mouse to “BÁO GIÁ” navigator and then click “Hệ Thống” item	
2	CTC	Display fee list on fee list page	

<b>Alternative Flows: N/A</b>	
<b>Exceptions: N/A</b>	
<b>Priority</b>	High
<b>Frequency of Use:</b>	High
<b>Business Rules:</b>	N/A
<b>Other Information:</b>	N/A

### 3.3.2.4.3.2 Edit fee list

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>			
<b>Description:</b>	Admin want to edit fee for match with real fee				
<b>Preconditions:</b>	1. “Hệ Thống” item appear on header of website 2. “BÁO GIÁ” navigator appear on header of website 3. Detail icon of fee appear on list operation free page				
<b>Trigger:</b>	Detail icon of fee is clicked				
<b>Post conditions:</b>	Save changed in database and display “chỉnh sửa thành công” message on pop-up.				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	Admin	Enter some fields on edit fee page			
2	Admin	Click “Xác Nhận” on edit fee page			
3	CTC	Save changed in database and display “chỉnh sửa thành công” message on pop-up			
<b>Alternative Flows:</b>					
<b>AT1</b>	At step 2, admin click “Hủy Bỏ” button on edit page				
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
3.1	CTC	System return to fee list page			
<b>AT2</b>	At step 4 in the main flows, if admin click other hyperlinks or buttons				
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
3.1	CTC	Redirects user to chosen hyperlink or button			
<b>Exceptions: N/A</b>					
<b>Priority</b>	High				
<b>Frequency of Use:</b>	Medium				

<b>Business Rules:</b>	N/A		
<b>Other Information:</b>	N/A		

### 3.3.2.4.3.3 View fee table history

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>			
<b>Description:</b>	Admin want to view history of fee table				
<b>Preconditions:</b>	1. “Hệ Thống” item appear on header of website 2. “BÁO GIÁ” navigator appear on header of website 3. Search box appear on list operation free page				
<b>Trigger:</b>	“Hệ Thống” item is clicked				
<b>Post conditions:</b>	Display fee history list				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	Admin	Hover mouse to “BÁO GIÁ” navigator and click “Tham chiểu” item			
2	CTC	Display fee list from other website includes: - Cost types status Select box - “Tìm kiếm” button			
3	Admin	- Select “Lịch sử” item or “đang áp dụng” item - Click “Tìm kiếm” button			
4	Admin	- Display fee table history			
<b>Alternative Flows: N/A</b>					
<b>Exceptions: N/A</b>					
<b>Priority</b>	Medium				
<b>Frequency of Use:</b>	Medium				
<b>Business Rules:</b>	N/A				
<b>Other Information:</b>	N/A				

### 3.3.2.4.3.4 Add a new fee

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to add a new fee to system		
<b>Preconditions:</b>	1. “HỆ THỐNG” item appear on header of website 2. “THÊM MỚI” item appear on header of website		

<b>Trigger:</b>	“THÊM MỚI” item appear on header of website is clicked	
<b>Post conditions:</b>	Add new fee to database and display “thêm mới thành công” message on pop-up	
<b>Normal Flow</b>		
Step	Actor	Action
1	Admin	Hover mouse to “BÁO GIÁ” navigator and click “Thêm Mới” item
2	CTC	Display add new fee includes: <ul style="list-style-type: none"> <li>- “Tên chi phí” input text</li> <li>- “Mã chi phí” input text</li> <li>- “Loại” check box</li> <li>- “Chi phí” input text</li> <li>- “Tỷ lệ chi phí” input text</li> <li>- “Mô tả” input text</li> <li>- “Thêm mới” button</li> <li>- “Hủy bỏ” button</li> </ul>
3	Admin	Enter some fields on add new fee page
4	Admin	Click “Thêm Mới” on add new fee page
5	CTC	Add a new fee to database
6	CTC	Add new fee to database and display “thêm mới thành công” message on pop-up
<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4, admin click “Hủy Bỏ” button	
Step	Actor	Action
6	CTC	System return to fee list page
<b>AT2</b>	At step 4 in the main flows, if user click other hyperlinks or buttons	
Step	Actor	Action
5.1	CTC	Redirects user to chosen hyperlink or button
<b>Exceptions:</b>		
<b>EC1</b>	At step 2, required fields are not entered	
Step	Actor	Action
2.1	CTC	Display Register page with message error
2.2	CTC	Mark error fields

<b>EC2</b>	At step 4, fields are entered with wrong type of data		
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
2.1	CTC	Display Register page with message error	
2.1	CTC	Mark error fields	
<b>Priority</b>		High	
<b>Frequency of Use:</b>		High	
<b>Business Rules:</b>		B28, B29, B30, B31, B32	
<b>Other Information:</b>		N/A	

#### 3.3.2.4.3.5 Reference fee

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to reference real fee		
<b>Preconditions:</b>	1. “Tham Chiếu” item appear on header of website 2. “BÁO GIÁ” navigator appear on header of website		
<b>Trigger:</b>	“Tham chiếu” item is clicked		
<b>Post conditions:</b>	Display fee list		

#### Normal Flow

<b>Step</b>	<b>Actor</b>	<b>Action</b>
1	Admin	Hover mouse to “BÁO GIÁ” navigator and Click “Tham chiếu” item
2	CTC	Display fee list from other website

#### Alternative Flows: N/A

<b>Exceptions:</b> N/A
<b>Priority</b>
<b>Frequency of Use:</b>
<b>Business Rules:</b>
<b>Other Information:</b>

#### 3.3.2.4.3.6 Edit reference fee

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to edit reference fee list		

<b>Preconditions:</b>	1. “THAM CHIÉU” item appear on header of website 2. “BÁO GIÁ” navigator appear on header of website 3. Detail icon of fee appear on list operation free	
<b>Trigger:</b>	Detail icon of fee appear on list operation free is clicked	
<b>Post conditions:</b>	Update new reference fee	
<b>Normal Flow</b>		
Step	Actor	Action
1	Admin	Hover mouse to “BÁO GIÁ” navigator and click “Tham chiéu” item and click detail icon of fee
2	CTC	Display reference fee list
3	Admin	Click detail icon
4	CTC	Display “Nhập fee tham chiéu” popup includes: “Fee tham chiéu” input text “Xác nhận” button “Hủy bỏ” button
5	Admin	Enter data in field
6	Admin	Click “Xác Nhận” button
7	CTC	Display “Chỉnh sửa thành công” message in popup
<b>Alternative Flows: N/A</b>		
<b>AT1</b>	At step 6, admin click “Hủy Bỏ” button	
Step	Actor	Action
6.1	CTC	System return to fee list page
<b>AT2</b>	At step 6 in the main flows, if user click other hyperlinks or buttons	
Step	Actor	Action
6.1	CTC	Redirects user to chosen hyperlink or button
<b>Exceptions: N/A</b>		
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	N/A	
<b>Other Information:</b>	N/A	

## 3.3.2.4.4 Manage report group list

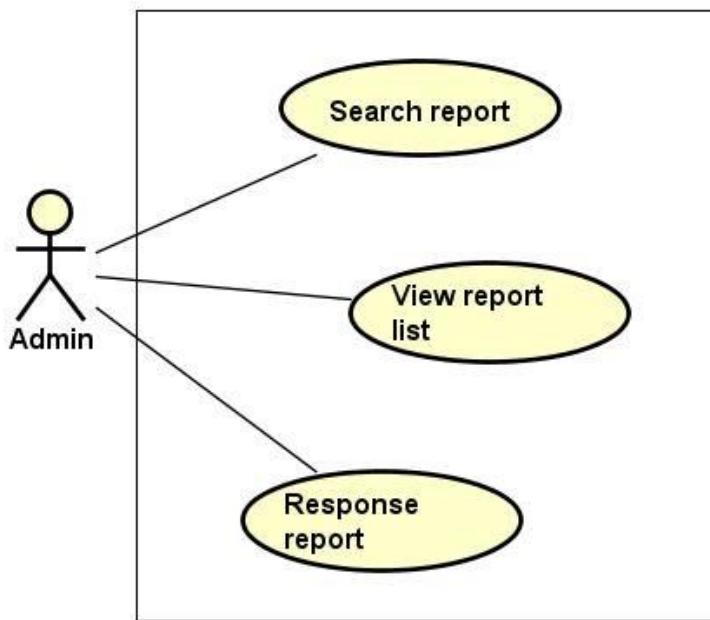


Figure 3.3-25: Manage report group list

## 3.3.2.4.4.1 Search report

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to find a report in report list		
<b>Preconditions:</b>	1. “BÁO CÁO TỪ NGƯỜI DÙNG” navigator appear header of website 2. Search box appear on list report user page		
<b>Trigger:</b>	“BÁO CÁO CỦA TÔI” navigator appear header of website		
<b>Post conditions:</b>	Display report on report list page		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	Admin	Admin click “Quản Lý Report” navigator	
2	CTC	Display search page includes: - “Tên tài khoản” input text - “Tên người dung” input text - “Tiêu đề báo cáo” input text	

		<ul style="list-style-type: none"> <li>- “ngày bắt đầu” input text</li> <li>- “ngày kết thúc” input text</li> <li>- “Tìm kiếm” button</li> </ul>
3	Admin	Enter data in fields
4	Admin	Click “Tìm kiếm” button
5	CTC	Display result on report list page

**Alternative Flows:**

<b>AT1</b>	At step 4 in the main flows, if admin click other hyperlinks or buttons	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
5.1	CTC	Redirects user to chosen hyperlink or button

**Exceptions: N/A**

<b>Priority</b>	Medium
<b>Frequency of Use:</b>	Medium
<b>Business Rules:</b>	N/A
<b>Other Information:</b>	N/A

**3.3.2.4.4.2 View report list**

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to view report list		
<b>Preconditions:</b>	“BÁO CÁO TỪ NGƯỜI DÙNG” navigator appear header of website		
<b>Trigger:</b>	“BÁO CÁO CỦA TÔI” navigator appear header of website		
<b>Post conditions:</b>	Display report list on report list page		

**Normal Flow**

<b>Step</b>	<b>Actor</b>	<b>Action</b>
1	Admin	Click “Báo Cáo Của Tôi” navigator
2	CTC	Display report list on report list page

**Alternative Flows: N/A****Exceptions: N/A**

<b>Priority</b>	Medium
<b>Frequency of Use:</b>	High

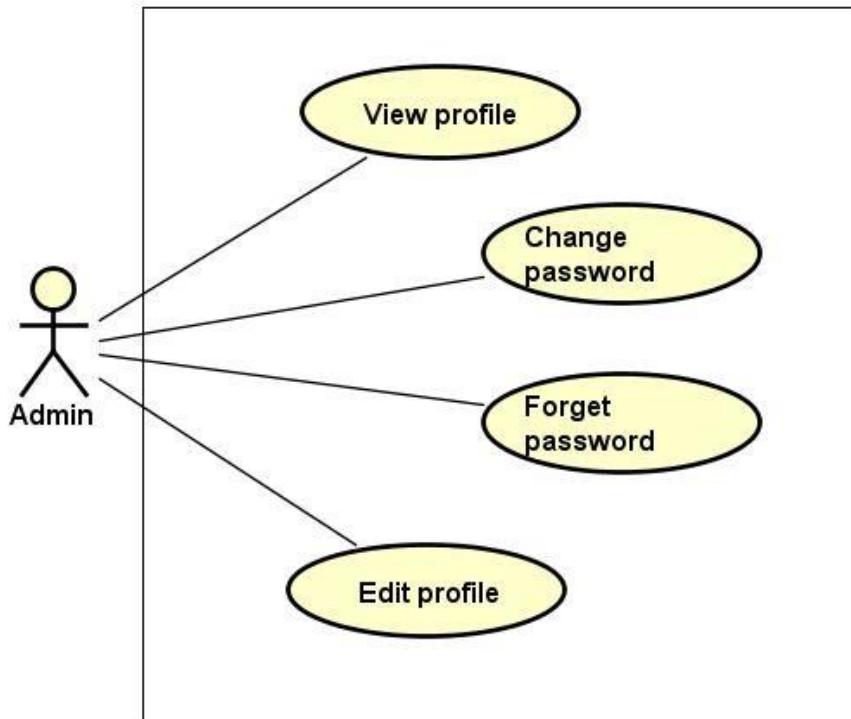
<b>Business Rules:</b>	N/A		
<b>Other Information:</b>	N/A		

### 3.3.2.4.4.3 Response report

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>			
<b>Description:</b>	Admin want to response report to goods owner or carrier				
<b>Preconditions:</b>	1. “BÁO CÁO TỪ NGƯỜI DÙNG” navigator appear header of website				
<b>Trigger:</b>	“Tiêu Đề Báo Cáo” is clicked				
<b>Post conditions:</b>	Response report to goods owner or carrier				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	Admin	Click “Tiêu Đề Báo Cáo” link			
2	CTC	Display response report page includes: <ul style="list-style-type: none"> <li>- Report of user detail (sender, receiver, account of sender, send date, question from sender, suggest solution)</li> <li>- “Nội dung” input text</li> <li>- “Phản hồi” button</li> <li>- “Quay lại” button</li> </ul>			
3	Admin	Enter data in fields			
4	Admin	Click “Xác nhận” button			
5	CTC	Response report to sender			
<b>Alternative Flows:</b>					
<b>AT1</b>	At step 4, admin click “Quay lại” button				
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
5.1	CTC	Display report list page			
<b>AT2</b>	At step 4 in the main flows, if admin click other hyperlinks or buttons				
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
5.1	CTC	Redirects user to chosen hyperlink or button			
<b>Exceptions: N/A</b>					
<b>Priority</b>		Medium			
<b>Frequency of Use:</b>		Medium			

<b>Business Rules:</b>	N/A
<b>Other Information:</b>	N/A

### 3.3.2.4.5 Manage profile group function



**Figure 3.3-26: Manage profile group function**

#### 3.3.2.4.5.1 View profile

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to view admin's profile		
<b>Preconditions:</b>	“Thông Tin Cá Nhân” item appear on top navigator		
<b>Trigger:</b>	“Thông Tin Cá Nhân” item is clicked		
<b>Post conditions:</b>	Display admin profile on detail user view page		
<b>Normal Flow</b>			
Step	Actor	<b>Action</b>	

1	Admin	Hover mouse to user name label and click “Thông Tin Cá Nhân” item
2	CTC	Display admin profile on detail user view page
<b>Alternative Flows: N/A</b>		
<b>Exceptions: N/A</b>		
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		High
<b>Business Rules:</b>		N/A
<b>Other Information:</b>		N/A

#### 3.3.2.4.5.2 Edit profile

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to edit admin profile		
<b>Preconditions:</b>	“Thay Đổi” button appear on detail user view page		
<b>Trigger:</b>	“Thay Đổi” button on detail user view page is clicked		
<b>Post conditions:</b>	Save admin profile in database and display successful message		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	Admin	Hover mouse to user name label and click “Chỉnh Sửa Thông Tin” item	
2	CTC	Display pop-up includes: <ul style="list-style-type: none"> <li>- “Chọn ảnh” file chooser</li> <li>- “Họ tên” input text</li> <li>- “Bạn là” (phân quyền quản trị) check box</li> <li>- “Email” input text</li> <li>- “Địa chỉ” input text</li> <li>- “Chứng minh thư” input text</li> <li>- “Ngày cấp thẻ” date picker</li> <li>- “Ngày tham gia” date picker</li> <li>- “Thay Đổi” button</li> </ul>	
3	Admin	Change data in this fields	
4	Admin	Click “Lưu Thay Đổi” button	
5	CTC	Save changed in database	
6	CTC	Display successful message	

Alternative Flows:		
AT1	At step 4, admin click “x” in pop-up	
Step	Actor	Action
6.1	CTC	Display user detail page
AT2	At step 4 in the main flows, if admin click other hyperlinks or buttons	
Step	Actor	Action
6.1	CTC	Redirects admin to chosen hyperlink or button
Exceptions: N/A		
<b>Priority</b>		Medium
<b>Frequency of Use:</b>		Medium
<b>Business Rules:</b>		N/A
<b>Other Information:</b>		N/A

#### 3.3.2.4.5.3 Change password

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to change password for security		
<b>Preconditions:</b>	“Thay đổi mật khẩu” item appear on top navigator		
<b>Trigger:</b>	“Thay đổi mật khẩu” item is clicked		
<b>Post conditions:</b>	Change admin’s password		

#### Normal Flow

Step	Actor	Action
1	Admin	Hover mouse to user name label and click “Đổi mật khẩu” item
2	CTC	Display change password page includes: <ul style="list-style-type: none"> <li>- “Mật khẩu cũ” input text</li> <li>- “Mật khẩu mới” input text</li> <li>- “Xác nhận mật khẩu” input text</li> <li>- “Đổi mật khẩu” button input text</li> </ul>
3	Admin	Enter data in this fields
4	Admin	Click “Đổi mật khẩu” button
5	CTC	Save new password in database
6	CTC	Return to homepage

<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4 in the main flows, if admin click other hyperlinks or buttons	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Redirects admin to chosen hyperlink or button
<b>Exceptions:</b>		
<b>EC1</b>	At step 3, required fields are not entered	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>EC2</b>	At step 3, fields are entered with wrong type of data	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>EC3</b>	At step 3, password is wrong	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>EC4</b>	At step 3, new password and confirm password are not match	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
6.1	CTC	Display Register page with message error
6.2	CTC	Mark error fields
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	Medium	
<b>Business Rules:</b>	B12, B15	
<b>Other Information:</b>	N/A	

#### 3.3.2.4.5.4 Forget password

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin forget password. They want to reset password		
<b>Preconditions:</b>	“Quên mật khẩu” label appear on login page		

<b>Trigger:</b>	“Quên mật khẩu” label on login page is clicked	
<b>Post conditions:</b>	System send new password to admin's email	
<b>Normal Flow</b>		
Step	Actor	Action
1	Admin	Admin click “Quên mật khẩu” label on login page
2	CTC	Display forget password page includes: - “Email đăng ký” input text - “Gửi” button
3	Admin	Enter email address they use for register admin account
4	CTC	Send new password to admin's email address
<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4 in the main flows, if admin click other hyperlinks or buttons	
Step	Actor	Action
6.1	CTC	Redirects admin to chosen hyperlink or button
<b>Exceptions: N/A</b>		
<b>Priority</b>	Medium	
<b>Frequency of Use:</b>	High	
<b>Business Rules:</b>	B22	
<b>Other Information:</b>	N/A	

## 3.3.2.4.6 Transaction history group function

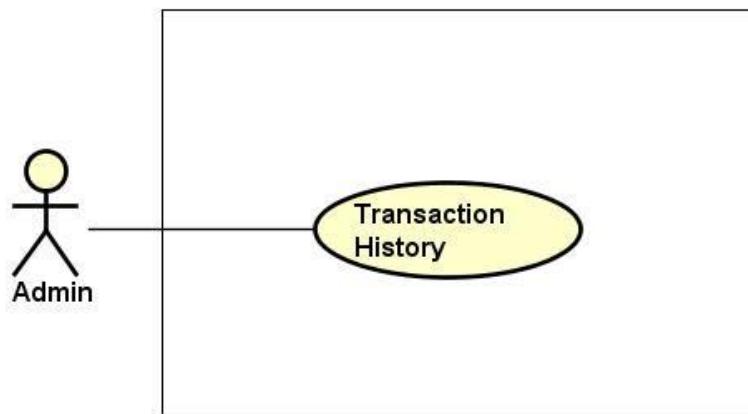


Figure 3.3-27: Transaction history group function

## 3.3.2.4.6.1 Transaction history

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>			
<b>Description:</b>	Admin want to check money in account and what did they do with money				
<b>Preconditions:</b>	“Thông tin giao dịch” item appear on top navigator				
<b>Trigger:</b>	“Thông tin giao dịch” item is clicked				
<b>Post conditions:</b>	Display money in account and transaction history				
<b>Normal Flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1	Admin	Hover mouse to user name and Click “Thông tin giao dịch” item			
2	CTC	Display money in account and transaction history			
<b>Alternative Flows: N/A</b>					
<b>Exceptions: N/A</b>					
<b>Priority</b>	Medium				
<b>Frequency of Use:</b>	Medium				
<b>Business Rules:</b>	N/A				
<b>Other Information:</b>	N/A				

## 3.3.2.4.7 Login group function

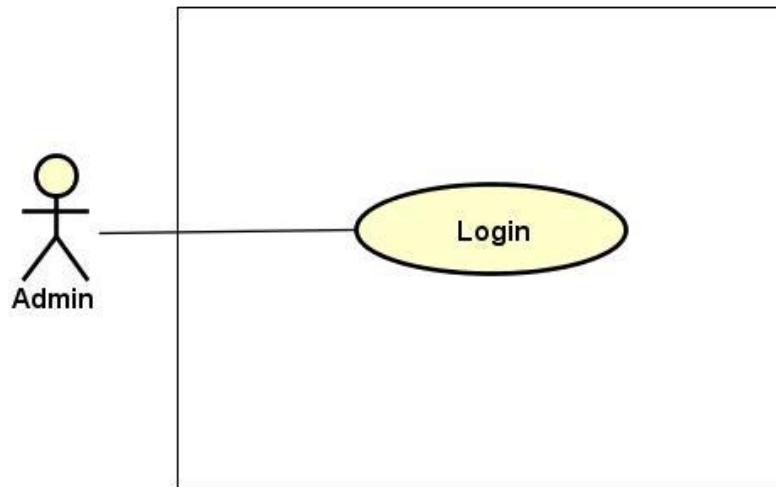


Figure 3.3-28: Login group function

## 3.3.2.4.7.1 Login

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>	
<b>Description:</b>	Admin want to login to CTC system for work		
<b>Preconditions:</b>	“Đăng nhập” button appear on login page		
<b>Trigger:</b>	“Đăng nhập” button on login page is clicked		
<b>Post conditions:</b>	Admin login to CTC system		
<b>Normal Flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1	Admin	Click “Đăng nhập” label on homepage	
2	CTC	Display login page includes: - “Email” input text - “Mật khẩu” input text - “Đăng nhập” button	
3	Admin	Enter data in fields	
4	Admin	Click “Đăng nhập” button	

5	CTC	Login account to CTC
<b>Alternative Flows:</b>		
<b>AT1</b>	At step 4 in the main flows, if admin click other hyperlinks or buttons	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
5.1	CTC	Redirects admin to chosen hyperlink or button
<b>Exceptions: N/A</b>		
<b>EC1</b>	At step 3, required fields are not entered	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
4.1	CTC	Display Register page with message error
4.2	CTC	Mark error fields
<b>EC2</b>	At step 3, fields are entered with wrong type of data	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
4.1	CTC	Display Register page with message error
4.2	CTC	Mark error fields
<b>Priority</b>		High
<b>Frequency of Use:</b>		High
<b>Business Rules:</b>		B2, B11
<b>Other Information:</b>		N/A

## 3.3.2.4.8 Logout group function

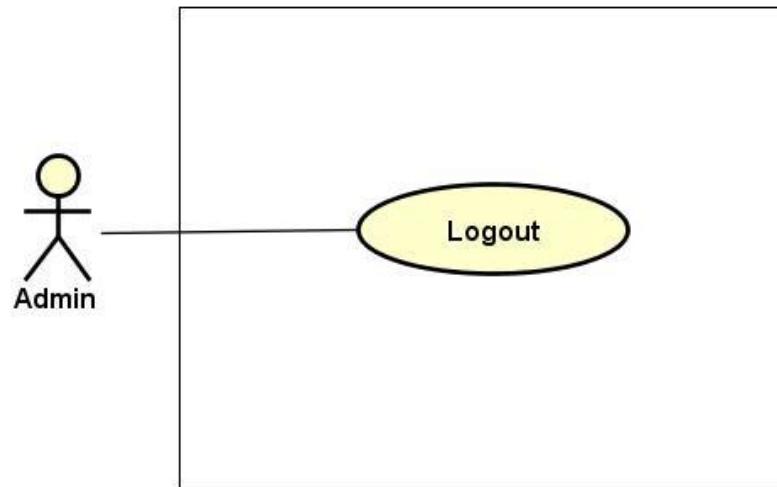


Figure 3.3-29: Logout group function

## 3.3.2.4.8.1 Logout

<b>Created by:</b>	QuyetTD	<b>Date Created:</b>	08/03/2017		
<b>Primary Actor</b>	Administration	<b>Secondary Actor</b>			
<b>Description:</b>	Admin want to logout CTC system				
<b>Preconditions:</b>	“Đăng xuất” button appear on top navigator				
<b>Trigger:</b>	“Đăng xuất” button is clicked				
<b>Post conditions:</b>	Logout admin account				
<b>Normal Flow</b>					
Step	Actor	<b>Action</b>			
1	Admin	Click “Đăng xuất” label in website			
2	CTC	Logout admin account			
3	CTC	Return homepage			
<b>Alternative Flows: N/A</b>					
<b>Exceptions: N/A</b>					
<b>Priority</b>		High			

<b>Frequency of Use:</b>	High
<b>Business Rules:</b>	N/A
<b>Other Information:</b>	N/A

### 3.4 Non-functional specification

#### 3.4.1 Reliability

- Mean time between failures: The mean time between each failure is expected to be about 500 hours of using.
- Database data is not deleted, for data restoration or recall history when we needed
- The maximum bugs per function are 1 bugs/a function when user uses software within 2 months.
- System errors must be repaired no more than 3 days after detected.

#### 3.4.2 Performance Requirements

##### 3.4.2.1 Availability

The application must be available 99% of time. Users can access to it everywhere from their Web browser with internet connection.

##### 3.4.2.2 Response time

In term of response time, waiting time of processing will be 2 to 5 seconds; time to process any functions no more than 3 seconds

##### 3.4.2.3 Maintainability

- Strictly follow the coding convention to help improve readability of source code and make the website more maintainable.
- Develop website based on Object Oriented Programming paradigm in order to increase maintainability and extendibility.

##### 3.4.2.4 Usability

Usability Requirements support the following from the perspective of its primary users:

- Efficiency of use: user can complete each function in less than 40 actions
- Intuitiveness: User can understand approximately 95% help/ error messages
- All of screen should be elegant and simple.
- All attributes are provided for non-text elements, such as images and maps.
- Search box is wide enough, so that users can see what they have typed.
- Links are easily recognizable. They look clickable. Items that are not links do not look clickable, for example underlining text is avoided.
- Colors must be uniform
- The buttons must be large enough and not too large

##### 3.4.2.5 Security Requirements

- When registering, user must use the correct email address. So they can access to confirm link in email.
- Sensitive information is stored in md5 format in database.
- Using access control.
- Sensitive information is encrypted before transmission.
- Use SSL certificate number.

### 3.4.2.6 Hardware/Software Requirements

- Hardware requirement:
  - Server: **Web service 2013, IIS8**
  - Client: **PC/Laptop (window 7, window 8, window 10)**
    - Software requirements: **Web browser (Chrome 40.0, Firefox 30.0) with internet connection**

## 4 SOFTWARE DESIGN DOCUMENT

### 4.1 Architecture design

#### 4.1.1 Choice of Architecture Design

Carrier Trading Center (CTC) is an e-commerce website. The main function of CTC system is provides users the ability to bid online bill of lading to help the Goods Owner minimum their shipping cost and help Carrier connect to Goods Owner more easily.

Traditionally used for desktop graphical user interfaces (GUIs), this architecture has become popular for designing web applications and even mobile, desktop and other clients. Popular programming languages like Java, C#, Ruby, PHP and others have popular MVC frameworks that are currently being used in web application development straight out of the box.

##### 4.1.1.1 MVC Model Overview

###### 4.1.1.1.1 What is the MVC

Model–View–Controller (MVC) is a software architectural pattern for implementing user interfaces on computers. It divides a given application into three interconnected parts in order to separate internal representations of information from the ways that information is presented to and accepted from the user. The MVC design pattern decouples these major components allowing for efficient code reuse and parallel development.

###### 4.1.1.1.2 Components

###### 4.1.1.1.2.1 Model

**The model** is the central component of the pattern. It expresses the application's behaviour in terms of the problem domain, independent of the user interface. It directly manages the data, logic and rules of the application.

###### 4.1.1.1.2.2 View

**A view** can be any output representation of information, such as a chart or a diagram. Multiple views of the same information are possible, such as a bar chart for management and a tabular view for accountants.

###### 4.1.1.1.2.3 Controller

**The controller** accepts input and converts it to commands for the model or view.

###### 4.1.1.1.3 Interactions

###### 4.1.1.1.3.1 Model

**A model** stores data that is retrieved according to commands from the controller and displayed in the view.

###### 4.1.1.1.3.2 View

**A view** generates new output to the user based on changes in the model.

###### 4.1.1.1.3.3 Controller

**A controller** can send commands to the model to update the model's state (e.g., editing a document). It can also send commands to its associated view to change the view's presentation of the model (e.g., scrolling through a document).

#### 4.1.1.1.4 Advantages and Disadvantages

##### 4.1.1.1.4.1 Advantages

- Simultaneous development - Multiple developers can work simultaneously on the model, controller and views.
- High cohesion - MVC enables logical grouping of related actions on a controller together. The views for a specific model are also grouped together.
- Low coupling - The very nature of the MVC framework is such that there is low coupling among models, views or controllers
- Ease of modification - Because of the separation of responsibilities, future development or modification is easier
- Multiple views for a model - Models can have multiple views

##### 4.1.1.1.4.2 Disadvantages

- Code navigability – The framework navigation can be complex; hence it introduces new layers of abstractions and requires users to adapt its decomposition criteria to MVC.
- Multi-artefact consistency - Decomposing a feature into three artefacts causes scattering. Thus, requiring developer(s) to maintain the consistency of multiple representations at once.
- Pronounced learning curve - Knowledge on multiple technologies becomes the norm. Developers using MVC need to be skilled in multiple technologies.

#### 4.1.1.2 JSF Framework

JSF is a server-side user interface component framework for Java-based Web applications. JSF contains an API for representing UI components and managing their state; handling events, server-side validation, and data conversion; defining page navigation; supporting internationalization and accessibility; and providing extensibility for all these features.

#### 4.1.1.3 JSF and MVC

JSF fits well with the MVC-based presentation-tier architecture. It offers a clean separation between behaviour and presentation. It leverages familiar UI-component and Web-tier concepts without limiting you to a particular scripting technology or mark-up language.

JSF backing beans are the model layer (more about backing beans in a later section). They also contain actions, which are an extension of the controller layer and delegate the user request to the business-logic tier. Please note, from the perspective of the overall application architecture, the business-logic tier can also be referred to as the model layer.

#### 4.1.1.4 Why JSF?

JSF is not just another Web framework. The following features differentiate JSF from other Web frameworks:

- Swing-like object-oriented Web application development: The server-side tasteful UI component model with event listeners and handlers initiates object-oriented Web application development.

- Backing-bean management: Backing beans are JavaBeans components associated with UI components used in a page. Backing-bean management separates the definition of UI component objects from objects that perform application-specific processing and hold data. JSF implementation stores and manages these backing-bean instances in the proper scope.
- Extensible UI component model: JSF UI components are configurable, reusable elements that compose the user interfaces of JSF applications. You can extend the standard UI component and develop a more complex component, e.g., menu bar and tree component.
- A renderer separates a UI component's functionality and view. Multiple renderers can be created and used to define different appearances of the same component for the same client or for different clients.
- Extensible conversion and validation model: Based on the standard converters and validators, you can develop customized converters and validators, which provide better model protection.

Despite its strength, JSF is not mature at its current stage. The components, converters, and validators that ship with JSF are basic. And the per-component validation model cannot handle many-to-many validation between components and validators. In addition, JSF custom tags cannot integrate with JSTL (JSP Standard Tag Library) seamlessly.

#### 4.1.1.5 Managed Bean, Backing Bean, View Object, and Domain Object Model

JSF introduces two new terms: *managed bean* and *backing bean*. JSF provides a strong managed-bean facility. JavaBean objects managed by a JSF implementation are called managed beans. A managed bean describes how a bean is created and managed. It has nothing to do with the bean's functionalities.

The backing bean defines properties and handling-logics associated with the UI components used on the page. Each backing-bean property is bound to either a component instance or its value. A backing bean also defines a set of methods that perform functions for the component, such as validating the component's data, handling events that the component fires and performing processing associated with navigation when the component activates.

A typical JSF application couples a backing bean with each page in the application. However, sometimes in the real world, forcing a one-to-one relationship between a backing bean and a page is not the ideal solution. It can cause problems like code duplication. In a real-world scenario, several pages may need to share the same backing bean behind the scenes.

A view object is a model object used specifically in the presentation tier. It contains the data that must display in the view layer and the logic to validate user input, handle events, and interact with the business-logic tier. The backing bean is the view object in a JSF-based application. Backing bean and view object are interchangeable terms in this article.

Compared to the ActionForm and Action approach in Struts, development with backing beans in JSF follows better object-oriented design practices. A backing bean not only contains view data, but also behaviour related to that data. In Struts, Action and ActionForm contain data and logic separately.

We've all heard about the domain object model. So, what's the difference between the domain object model and a view object? In a simple Web application, a domain object model can be used across all tiers, however, in a more complex Web application, a separate view object model needs to be used. Domain object model is about the business object and should belong in the business-logic tier. It contains the business data and business logic associated with the specific business object. A view object contains presentation-specific data and behaviour.

#### 4.1.1.6 Hibernate

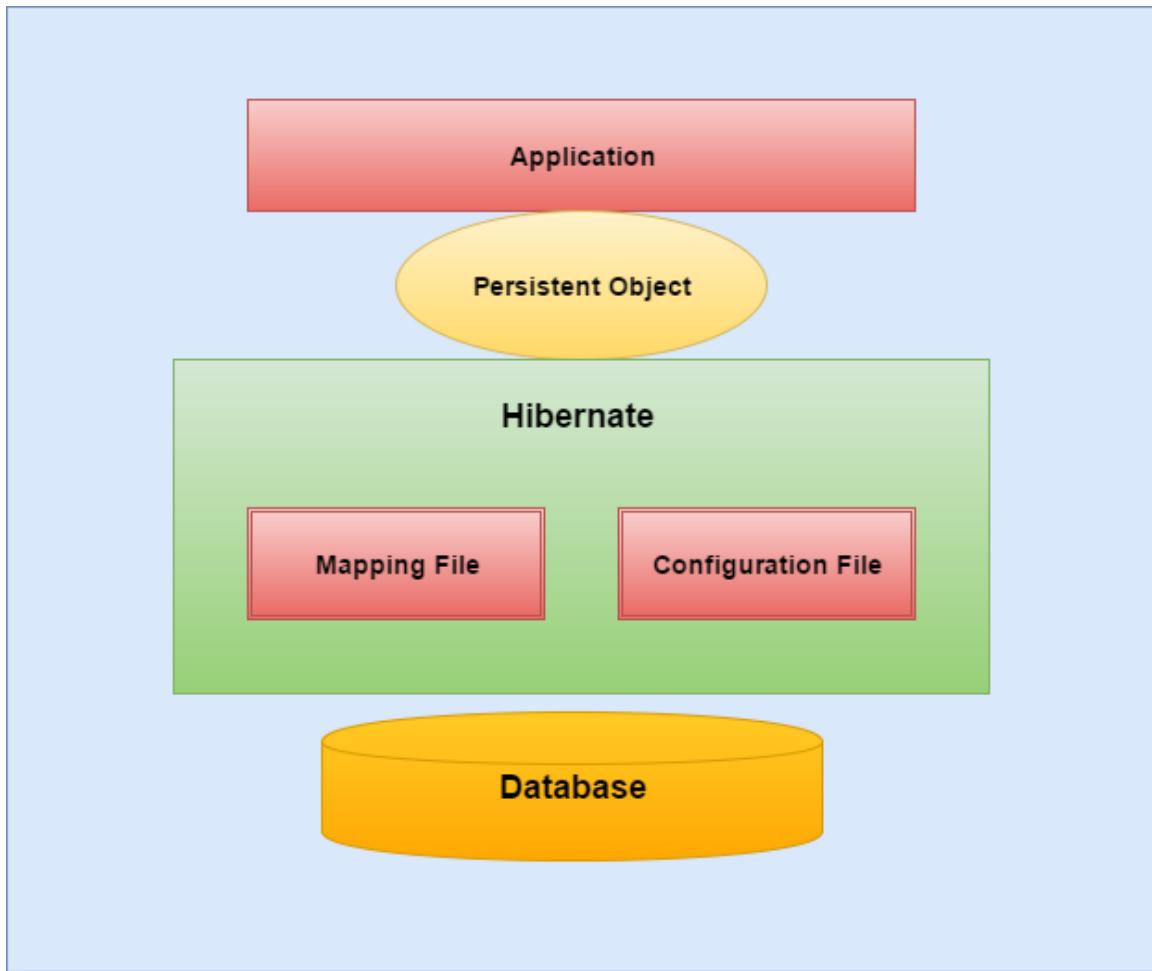
Hibernate ORM (Hibernate in short) is an object-relational mapping tool for the Java programming language supported by SPRING framework. It provides a framework for mapping an object-oriented domain model to a relational database.

Hibernate core features:

- Natural programming model - Hibernate supports natural OO idiom; inheritance, polymorphism, composition and the Java collections framework
- Support for fine-grained object models - a rich variety of mappings for collections and dependent objects
- No build-time byte code enhancement - there's no extra code generation or byte code processing steps in your build procedure
- Extreme scalability - Hibernate is extremely performing, has a dual-layer cache architecture, and may be used in a cluster
- The query options - Hibernate addresses both sides of the problem; not only how to get objects into the database, but also how to get them out again
- Support for conversations - Hibernate supports both long-lived persistence contexts, detach/reattach of objects, and takes care of optimistic locking automatically
- Free/open source - Hibernate is licensed under the LGPL (Lesser GNU Public License)

Hibernate Architecture

- The Hibernate architecture includes many objects persistent object, session factory, transaction factory, connection factory, session, transaction etc. There are 4 layers in hibernate architecture java application layer, hibernate framework layer, backhand API layer and database layer.



**Figure 4.1-1** Hibernate Architecture

#### 4.1.2 Architectural Presentation

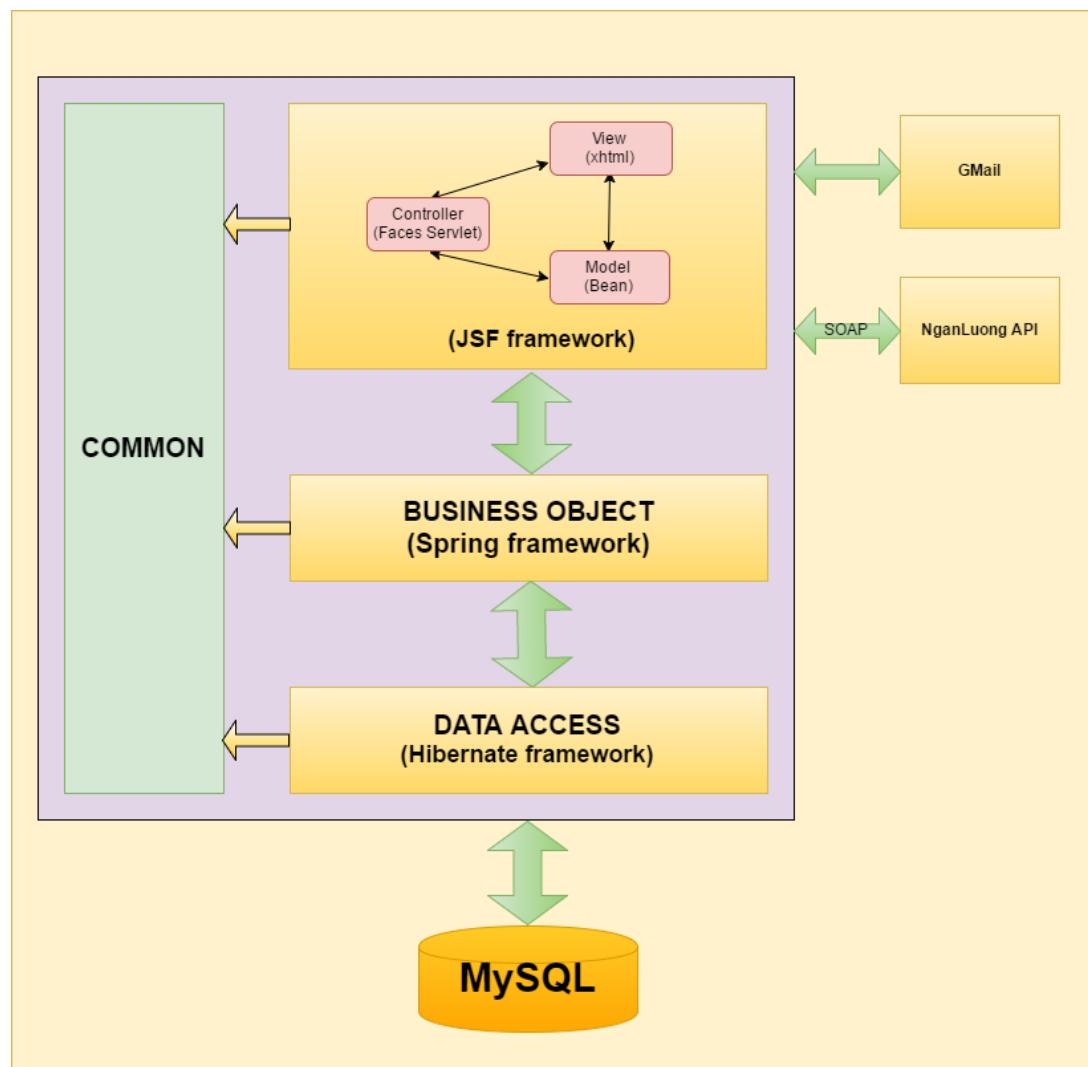


Figure 4.1-2 Architecture Overview

### 4.1.3 Package Design

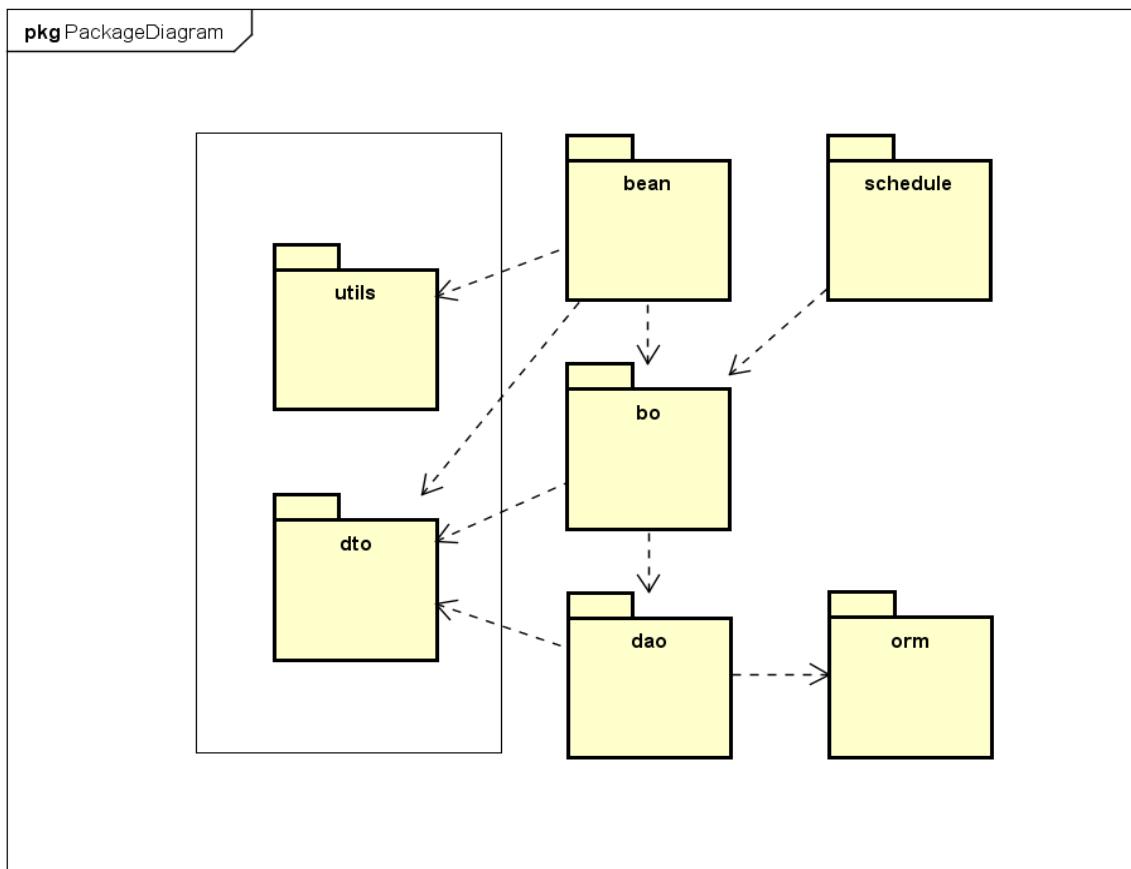


Figure 4.1-3 Package Diagram

## 4.2 Detailed design

### 4.2.1 Common Class Description

#### 4.2.1.1 Object-relational mapping

##### 4.2.1.1.1 AnswerComment

Class	AnswerComment		
<b>Description</b>	AnswerComment Object manages the mapping details between a set of objects and underlying relational databases.		
<b>Base Class</b>	N/A		
<b>Constructor</b>	N/A		
<b>Prototype</b>	N/A		
<b>Source File</b>	AnswerComment.java		
<b>Namespace</b>	vn.co.cex.orm		
Attributes	Name	Type	Description
	id	Integer	
	content	String	
	commentId	int	

	comment	Comment	
	createdUserId	int	
	user	Users	
	created	Date	

#### 4.2.1.1.2 BillOfLading

<b>Class</b>	<b>BillOfLading</b>		
<b>Description</b>	BillOfLading Object manages the mapping details between a set of objects and underlying relational databases.		
<b>Base Class</b>	N/A		
<b>Constructor</b>	BillOfLading(String code, <b>int</b> goodsTypeId, <b>int</b> packagedFormId, String goodsImage, <b>float</b> weight, <b>float</b> volume, Integer quantity, <b>float</b> length, <b>float</b> width, <b>float</b> height, String description, <b>boolean</b> isFrozen <b>boolean</b> isFragile, String sender, String senderPhoneNumber, String departureProvince, String departureDistrict, String departureAddress, String departureCharacteristicPlace, Date departureDate, String receiver, String receiverPhoneNumber, String arrivalProvince, String arrivalDistrict, String arrivalAddress, String arrivalCharacteristicPlace, Date arrivalDate, <b>float</b> distance, <b>float</b> fee, Date auctionPeriod, <b>int</b> status, <b>boolean</b> notification, <b>int</b> createdUserId, Date created, Date modified)		
<b>Prototype</b>	N/A		
<b>Source File</b>	Users.java		
<b>Namespace</b>	vn.co.cex.orm		
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>
	id	Integer	
	code	String	
	goodsTypeId	Int	
	goodsType	GoodsType	
	packagedFormId	Int	
	packagedForm	PackagedForm	
	goodsImage	String	
	weight	Float	
	volume	Float	
	quantity	Integer	
	length	Float	
	width	Float	
	height	Float	
	description	String	
	isFrozen	Boolean	
	isFragile	Boolean	
	sender	String	
	senderPhoneNumber	String	
	departureProvince	String	
	departureDistrict	String	

departureAddress	String	
departureCharacteristicPlace	String	
departureDate	Date	
receiver	String	
receiverPhoneNumber	String	
arrivalProvince	String	
arrivalDistrict	String	
arrivalAddress	String	
arrivalCharacteristicPlace	String	
arrivalDate	Date	
distance	Float	
fee	Float	
auctionPeriod	Date	
status	Int	
notification	Boolean	
createdUserId	Int	
user	Users	
created	Date	
modified	Date	

#### 4.2.1.1.3 Comment

Class	Comment		
<b>Description</b>	Comment Object manages the mapping details between a set of objects and underlying relational databases.		
<b>Base Class</b>	N/A		
<b>Constructor</b>	Comment( <b>int</b> id)		
<b>Prototype</b>	N/A		
<b>Source File</b>	Comment.java		
<b>Namespace</b>	vn.co.cex.orm		
Attributes	Name	Type	Description
	id	Integer	
	content	String	
	billOfLadingId	int	
	billOfLading	BillOfLading	
	createdUserId	int	
	user	Users	
	created	Date	

## 4.2.1.1.4 Company

<b>Class</b>	Company		
<b>Description</b>	Company Object manages the mapping details between a set of objects and underlying relational databases.		
<b>Base Class</b>	N/A		
<b>Constructor</b>	Company(String name, String taxCode, String email, String phoneNumber, String fax, String address)		
<b>Prototype</b>	N/A		
<b>Source File</b>	Company.java		
<b>Namespace</b>	vn.co.cex.orm		
<b>Attributes</b>	Name	Type	Description
	Id	Integer	
	Name	String	
	TaxCode	String	
	Email	String	
	PhoneNumber	String	
	Fax	String	
	address	String	

## 4.2.1.1.5 District

<b>Class</b>	District		
<b>Description</b>	District Object manages the mapping details between a set of objects and underlying relational databases.		
<b>Base Class</b>	N/A		
<b>Constructor</b>	District(Integer id)		
<b>Prototype</b>	N/A		
<b>Source File</b>	District.java		
<b>Namespace</b>	vn.co.cex.orm		
<b>Attributes</b>	Name	Type	Description
	Id	Integer	
	Code	String	
	Name	String	
	Type	String	
	ProvinceCode	Province	

## 4.2.1.1.6 Goodstype

<b>Class</b>	Goodstype
--------------	-----------

<b>Description</b>	Goodstype Object manages the mapping details between a set of objects and underlying relational databases.		
<b>Base Class</b>	N/A		
<b>Constructor</b>	District(Integer id)		
<b>Prototype</b>	N/A		
<b>Source File</b>	Goodstype.java		
<b>Namespace</b>	vn.co.cex.orm		
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>
	Id	Integer	
	Code	String	
	Name	String	
	Description	String	
	ReferenceFee	Float	

#### 4.2.1.1.7 OperationFee

<b>Class</b>	OperationFee		
<b>Description</b>	OperationFee Object manages the mapping details between a set of objects and underlying relational databases.		
<b>Base Class</b>	N/A		
<b>Constructor</b>	OperationFee(Integer id, String code, String feeName, boolean type, Float fee, Float percent, String description, int status, Date modified, Date created)		
<b>Prototype</b>	N/A		
<b>Source File</b>	OperationFee.java		
<b>Namespace</b>	vn.co.cex.orm		
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>
	id	Integer	
	code	String	
	feeName	String	
	type	boolean	
	fee	Float	
	percent	Float	
	description	String	
	status	int	

#### 4.2.1.1.8 PackagedForm

<b>Class</b>	PackagedForm		
<b>Description</b>	PackagedForm Object manages the mapping details between a set of objects and underlying relational databases.		

<b>Base Class</b>	N/A		
<b>Constructor</b>	PackagedForm (Integer <code>id</code> )		
<b>Prototype</b>	N/A		
<b>Source File</b>	PackagedForm.java		
<b>Namespace</b>	vn.co.cex.orm		
<b>Attributes</b>	Name	Type	Description
	<code>id</code>	Integer	
	<code>code</code>	String	
	<code>name</code>	String	
	<code>description</code>	String	

#### 4.2.1.1.9 PaymentDetail

<b>Class</b>	PaymentDetail		
<b>Description</b>	PaymentDetail Object manages the mapping details between a set of objects and underlying relational databases.		
<b>Base Class</b>	N/A		
<b>Constructor</b>	N/A		
<b>Prototype</b>	N/A		
<b>Source File</b>	PaymentDetail.java		
<b>Namespace</b>	vn.co.cex.orm		
<b>Attributes</b>	Name	Type	Description
	<code>Id</code>	Integer	
	<code>Amounts</code>	float	
	<code>PaymentDate</code>	Date	
	<code>Type</code>	boolean	
	<code>Description</code>	String	
	<code>Balance</code>	Float	
	<code>BillOfLadingId</code>	Integer	
	<code>UserId</code>	int	

#### 4.2.1.1.10 Province

<b>Class</b>	Province		
<b>Description</b>	Province Object manages the mapping details between a set of objects and underlying relational databases.		
<b>Base Class</b>	N/A		

<b>Constructor</b>	Province (Integer id)		
<b>Prototype</b>	N/A		
<b>Source File</b>	Province.java		
<b>Namespace</b>	vn.co.cex.orm		
<b>Attributes</b>	Name	Type	Description
	Id	Integer	
	Code	String	
	Name	String	
	Type	String	

#### 4.2.1.11 Report

<b>Class</b>	Report		
<b>Description</b>	Report Object manages the mapping details between a set of objects and underlying relational databases.		
<b>Base Class</b>	N/A		
<b>Constructor</b>	Report(int id, int userId, Date reportDate, String reportTitle, String reportQuestion, String reportSolution, String reportContent, String reportReply, boolean status)		
<b>Prototype</b>	N/A		
<b>Source File</b>	Report.java		
<b>Namespace</b>	vn.co.cex.orm		
<b>Attributes</b>	Name	Type	Description
	Id	int	
	UserId	int	
	ReportDate	Date	
	ReportTitle	String	
	ReportQuestio	String	
	ReportSolutio	String	
	ReportContent	String	
	ReportReply	String	
	Status	boolean	

#### 4.2.1.12 Users

<b>Class</b>	Users		
<b>Description</b>	User Object manages the mapping details between a set of objects and underlying relational databases.		
<b>Base Class</b>	N/A		
<b>Constructor</b>	Users(String fullName, String email, String password, String phoneNumber, String address, String districtCode, String identityCard, String identityCardPlace, Date,		

	identityCardDate, String identityCardImage, int role, int status, Date created, Integer companyId, String userAvatar)		
<b>Prototype</b>	N/A		
<b>Source File</b>	Users.java		
<b>Namespace</b>	vn.co.cex.orm		
<b>Attributes</b>	Name	Type	Description
	id	Integer	
	fullName	String	
	email	String	
	password	String	
	phoneNumber	String	
	address	String	
	identityCard	String	
	identityCardPlace	String	
	identityCardDate	Date	
	identityCardImage	String	
	role	int	
	status	int	
	created	Date	
	companyId	Integer	
	userAvatar	String	

#### 4.2.1.1.13 UsersAccount

<b>Class</b>	UsersAccount		
<b>Description</b>	UsersAccount Object manages the mapping details between a set of objects and underlying relational databases.		
<b>Base Class</b>	N/A		
<b>Constructor</b>	UsersAccount (Integer id)		
<b>Prototype</b>	N/A		
<b>Source File</b>	UsersAccount.java		
<b>Namespace</b>	vn.co.cex.orm		
<b>Attributes</b>	Name	Type	Description
	UserId	Integer	
	Balance	float	

	Modified	Date	
--	----------	------	--

#### 4.2.1.2 Bean class

##### 4.2.1.2.1 BaseBean

<b>Class</b>	BaseBean		
<b>Description</b>	Common class for Decision Center beans		
<b>Base Class</b>	N/A		
<b>Constructor</b>	BaseBean()		
<b>Prototype</b>	N/A		
<b>Source File</b>	BaseBean.java		
<b>Namespace</b>	vn.co.cex.bean		
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>
	getHTTPRequest()		HttpServletRequest
	getHTTPResponse()		HttpServletResponse

##### 4.2.1.2.2 RegisterBean

<b>Class</b>	RegisterBean		
<b>Description</b>	Register an user		
<b>Base Class</b>	BaseBean		
<b>Constructor</b>	N/A		
<b>Prototype</b>	N/A		
<b>Source File</b>	RegisterBean.java		
<b>Namespace</b>	vn.co.cex.bean.login		
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>
	FullName	String	
	Email	String	
	Password	String	
	PhoneNumber	String	
	address	String	
	identityCard	String	
	identityCardPlace	String	
	identityCardDate	Date	
	identityCardImage	String	
	role	int	
	status	int	
	created	Date	

	companyId	Integer		
	userAvatar	String		
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	registerUser()		String	
	sendMailRegister(Users)	Users		

#### 4.2.1.2.3 GetGoodsImagesBean

<b>Class</b>	getGoodsImagesBean			
<b>Description</b>	Get goods image.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	getGoodsImagesBean.java			
<b>Namespace</b>	vn.co.cex.bean			
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>	
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	getGoodsImage()		StreamedContent	

#### 4.2.1.2.4 getUserAvatarBean

<b>Class</b>	getUserAvatarBean			
<b>Description</b>	Get goods image.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	getUserAvatarBean.java			
<b>Namespace</b>	vn.co.cex.bean			
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>	
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	getUserAvatar()		StreamedContent	

## 4.2.1.2.5 goodsTypeBean

<b>Class</b>	goodsTypeBean		
<b>Description</b>	Do business logic with goodsType.		
<b>Base Class</b>	BaseBean		
<b>Constructor</b>	N/A		
<b>Prototype</b>	N/A		
<b>Source File</b>	goodsTypeBean.java		
<b>Namespace</b>	vn.co.cex.bean		
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>
	getGoodsTypeBO()		GoodsTypeBO
	setGoodsTypeBO(GoodsTypeBO)		
	getGoodsTypeList()		List<GoodsType>
	setGoodsTypeList(List<GoodsType>)		

## 4.2.1.2.6 NganLuongBean

<b>Class</b>	NganLuongBean		
<b>Description</b>	Account recharge through Ngan Luong.		
<b>Base Class</b>	BaseBean		
<b>Constructor</b>	N/A		
<b>Prototype</b>	N/A		
<b>Source File</b>	NganLuongBean.java		
<b>Namespace</b>	vn.co.cex.bean		
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>
	link_checkout	String	
	order_code	String	
	token_code	String	
	result	boolean	
	balance	Float	
	email	String	
	fullname	String	
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>
	onPlusMoneyAccount()		
	sentRequest()		

## 4.2.1.2.7 ProvinceBean

<b>Class</b>	ProvinceBean		
<b>Description</b>			
<b>Base Class</b>	BaseBean		
<b>Constructor</b>	N/A		
<b>Prototype</b>	N/A		
<b>Source File</b>	ProvinceBean.java		
<b>Namespace</b>	vn.co.cex.bean		
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>
	provinceBO	ProvinceBO	
	provinceList	List<Province>	
	provinceName	String	
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>
	getProvinceName()		String
	setProvinceName(String)	String	
	getProvinceBO()		ProvinceBO
	setProvinceBO(ProvinceBO)	ProvinceBO	
	getProvinceList()		List<Province>
	setProvinceList(List<Province>)	List<Province>	

## 4.2.1.2.8 DistrictBean

<b>Class</b>	DistrictBean		
<b>Description</b>			
<b>Base Class</b>	BaseBean		
<b>Constructor</b>	N/A		
<b>Prototype</b>	N/A		
<b>Source File</b>	DistrictBean.java		
<b>Namespace</b>	vn.co.cex.bean		
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>
	getDistrictByProvinceCode(String)	String	List<District>
	getDistrict2ByProvinceCode(String)	String	List<District>
	getDistrictNameByCode(String)	String	String
	getProvinceCodeByCode	String	String

	de(String)		
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#### 4.2.1.2.9 SummaryBillOfLadingBean

<b>Class</b>	SummaryBillOfLadingBean		
<b>Description</b>	Show summary bill of lading.		
<b>Base Class</b>	BaseBean		
<b>Constructor</b>	N/A		
<b>Prototype</b>	N/A		
<b>Source File</b>	SummaryBillOfLadingBean.java		
<b>Namespace</b>	vn.co.cex.bean.admin		
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>
	goodsTypeId	Integer	
	packagedFormId	Integer	
	weight	Float	
	volume	Float	
	departureProvinceCode	String	
	arrivalProvinceCode	String	
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>
	searchBillOfLading()		

#### 4.2.1.2.10 BillOfLadingDetailBean

<b>Class</b>	BillOfLadingDetailBean			
<b>Description</b>	Show detail bill of lading.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	BillOfLadingDetailBean.java			
<b>Namespace</b>	vn.co.cex.bean.billoflading			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	auction(int)	billOfLadingId		
	goodsOwnerCancelAuction()			
	carrierCancelAuction()			
	confirmCompleted()			
	writeComment()			
	writeAnswerComment(int)	commentId		
	updateComment()			

## 4.2.1.2.11 CommonBean

<b>Class</b>	CommonBean			
<b>Description</b>	Show bill of lading and search bill of lading.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CommonBean.java			
<b>Namespace</b>	vn.co.cex.bean.billoflading			
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>	
	goodsTypeId	Integer		
	packagedFormId	Integer		
	weight	Float		
	volume	Float		
	departureProvinceCode	String		
	arrivalProvinceCode	String		
	status	Integer		
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	searchBillOfLading()			

## 4.2.1.2.12 PostBillOfLadingBean

<b>Class</b>	PostBillOfLadingBean			
<b>Description</b>	Show bill of lading and search bill of lading.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	PostBillOfLadingBean.java			
<b>Namespace</b>	vn.co.cex.bean.billoflading			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	postBillOfLading()			
	uploadGoodsImage(FileUp loadEvent)			
	gotoListBillOfLading()			

## 4.2.1.2.13 CarrierBillOfLadingBean

<b>Class</b>	CarrierBillOfLadingBean		
<b>Description</b>	Show bill of lading and search bill of lading by Carrier.		

<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CarrierBillOfLadingBean.java			
<b>Namespace</b>	vn.co.cex.bean.carrier			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	searchBillOfLadingByCarrier()			

#### 4.2.1.2.14 GoodsOwnerBillOfLadingBean

<b>Class</b>	<b>GoodsOwnerBillOfLadingBean</b>			
<b>Description</b>	Show bill of lading and search bill of lading by GoodsOwner.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	GoodsOwnerBillOfLadingBean.java			
<b>Namespace</b>	vn.co.cex.bean.goodsOwner			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	searchBillOfLadingByCarrier()			

#### 4.2.1.2.15 ForgotPasswordBean

<b>Class</b>	<b>ForgotPasswordBean</b>			
<b>Description</b>	Support user change password when forgot.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	ForgotPasswordBean.java			
<b>Namespace</b>	vn.co.cex.bean.login			
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>	
	email	String		
	password	String		
	state	int		
	oldPassword	String		
	passwordGenerated	String		
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>

	resetPassword ()			
	sendMailResetPassword()			
	encryptPassword()			

#### 4.2.1.2.16 LoginBean

<b>Class</b>	LoginBean			
<b>Description</b>	Login to the system.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	LoginBean.java			
<b>Namespace</b>	vn.co.cex.bean.login			
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>	
	email	String		
	password	String		
	role	int		
	fullName	String		
	status	int		
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	checkLogin ()			

#### 4.2.1.2.17 UserDetailBean

<b>Class</b>	OperationFeeBean		
<b>Description</b>	Show bill of lading and search bill of lading.		
<b>Base Class</b>	BaseBean		
<b>Constructor</b>	N/A		
<b>Prototype</b>	N/A		
<b>Source File</b>	UsersDetailBean.java		
<b>Namespace</b>	vn.co.cex.bean.users		
<b>Attributes</b>	<b>Name</b>	<b>Name</b>	<b>Name</b>
	name	String	name
	taxCode	String	taxCode
	email	String	email
	phoneNumber	String	phoneNumber
	fax	String	fax
	filename	String	filename

	districtName	String	districtName
	provinceName	String	provinceName
	address	String	address
	issuccess	boolean	issuccess
	amount	Float	amount
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>
	updateUserInfo()		
	uploadUserAvatar(File UploadEvent)	FileUploadEvent	
	updatePassword()		
	rechargeUserAccount()		
	redirectUsersAccountInformation()		String
	updateCompany()		
	addCompany()		
	rechargeUserAccount()		

#### 4.2.1.2.18 UsersAccountBean

<b>Class</b>	LoginBean			
<b>Description</b>	Login to the system.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	LoginBean.java			
<b>Namespace</b>	vn.co.cex.bean.login			
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>	
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	redirectUsersAccountInformation()		String	

#### 4.2.1.2.19 OperationFeeAddBean

<b>Class</b>	OperationFeeAddBean			
<b>Description</b>	Add Operation fee.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	OperationFeeAddBean.java			

<b>Namespace</b>	vn.co.cex.bean.operationfee			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	addNewFee()			

#### 4.2.1.2.20 OperationFeeBean

<b>Class</b>	OperationFeeBean			
<b>Description</b>	Show Operation fee.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	OperationFeeBean.java			
<b>Namespace</b>	vn.co.cex.bean.operationfee			
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>	
	operationFees	List<OpérationFee>		
	status	Integer		
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	getOperationFeeBO()		OperationFeeBO	
	setOperationFeeBO(OperationFeeBO)			
	getOperationFees()		List<OperationFee>	
	setOperationFees(List<OperationFee>)			
	getStatus()		Integer	
	setStatus(Integer)			
	searchOperationFee()			

#### 4.2.1.2.21 OperationFeeEditBean

<b>Class</b>	OperationFeeEditBean			
<b>Description</b>	Add Operation fee.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	OperationFeeEditBean.java			
<b>Namespace</b>	vn.co.cex.bean.operationfee			

Methods	Name	Input	Output	Description
	editFee()			

#### 4.2.1.2.22 ReferenceFeeEditBean

<b>Class</b>	ReferenceFeeEditBean			
<b>Description</b>	Edit reference fee.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	ReferenceFeeEditBean.java			
<b>Namespace</b>	vn.co.cex.bean.operationfee			
<b>Attributes</b>	Name	Type	<b>Description</b>	
<b>Methods</b>	Name	Input	Output	Description
	updateReferenceFee()			
	gotoListReferenceFee()		String	

#### 4.2.1.2.23 PaymentDetailBean

<b>Class</b>	LoginBean			
<b>Description</b>	Show payment detail of user.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	PaymentDetailBean.java			
<b>Namespace</b>	vn.co.cex.bean.payment			
<b>Attributes</b>	Name	Type	<b>Description</b>	
	id	Integer		
	amount	Float		
	type	boolean		
	description	String		
	userId	int		
<b>Methods</b>	Name	Input	Output	Description
	searchPaymentDetailUser ()			

#### 4.2.1.2.24 ReportBean

<b>Class</b>	ReportBean			
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<b>Description</b>	Show Operation fee.		
<b>Base Class</b>	BaseBean		
<b>Constructor</b>	N/A		
<b>Prototype</b>	N/A		
<b>Source File</b>	ReportBean.java		
<b>Namespace</b>	vn.co.cex.bean.report		
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>
	userName	String	
	fullName	String	
	reportTitle	String	
	reportContent	String	
	reportReply	String	
	status	boolean	
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>
	searchReportForAdmin()		
	searchReportForUser()		
	deleteReport()		

#### 4.2.1.2.25 ReportDetailBean

<b>Class</b>	ReportDetailBean		
<b>Description</b>	Show detail report and response.		
<b>Base Class</b>	BaseBean		
<b>Constructor</b>	N/A		
<b>Prototype</b>	N/A		
<b>Source File</b>	ReportDetailBean.java		
<b>Namespace</b>	vn.co.cex.bean.report		
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>
	isSuccess	boolean	
	id	int	
	userID	int	
	reportTitle	String	
	reportQuestion	String	
	reportSolution	String	
	reportContent	String	

	reportReply	String		
	status	boolean		
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	addNewReport()			
	updateReportReply()			
	goToListReportUser()			

#### 4.2.1.2.26 UpdatePasswordBean

<b>Class</b>	UpdatePasswordBean			
<b>Description</b>	Support user change password.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	UpdatePasswordBean.java			
<b>Namespace</b>	vn.co.cex.bean.login			
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>	
	oldPassword	String		
	passwordGenerated	String		
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	updatePassword()			
	encryptPassword()			

#### 4.2.1.2.27 UsersBean

<b>Class</b>	UsersBean			
<b>Description</b>	Show List Users.			
<b>Base Class</b>	BaseBean			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	UsersBean.java			
<b>Namespace</b>	vn.co.cex.bean.users			
<b>Attributes</b>	<b>Name</b>	<b>Type</b>	<b>Description</b>	
	id	Integer		
	code	String		
	fullName	String		

	email	String		
	password	String		
	phoneNumber	String		
	address	String		
	province	String		
	district	String		
	identityCard	String		
	identityCardPlace	String		
	role	Integer		
	status	int		
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	searchUser()			
	deactiveUser()			
	activateUser()			

#### 4.2.1.3 BO class

##### 4.2.1.3.1 BaseBO

<b>Class</b>	BaseBO
<b>Description</b>	An interface of BaseBOImpl
<b>Base Class</b>	N/A
<b>Constructor</b>	N/A
<b>Prototype</b>	N/A
<b>Source File</b>	BaseBO.java
<b>Namespace</b>	vn.co.cex.bo

##### 4.2.1.3.2 BillOfLadingBO

<b>Class</b>	BillOfLadingBO
<b>Description</b>	An interface of BillOfLadingBOImpl
<b>Base Class</b>	BaseBO
<b>Constructor</b>	N/A
<b>Prototype</b>	N/A
<b>Source File</b>	BillOfLadingBO.java
<b>Namespace</b>	vn.co.cex.bo

Methods	Name	Input	Output	Description
	countTotalBillOfLading(int)	int	int	
	getBillOfLadingSummary()			
	searchBillOfLadingSummary(Integer, Integer, Float, Float, String, String, Date, Date)	goodsTypeId packFormId weight volume departureProvince arrivalProvince departureDate arrivalDate	List<BillOfLadingDTO>	
	getChartView()	List<ChartView>		
	addNewBillOfLading(BillOfLading)	BillOfLading	boolean	
	updateBillOfLading(BillOfLading)	BillOfLading	boolean	
	getBillOfLadingById(int)	int	BillOfLading	
	getBillOfLadingDTOById(int)	int	BillOfLading	
	searchBillOfLading(Integer, Integer, Float, Float, String, String, Date, Date, Integer, int, int)	goodsTypeId packagedFormId weight volume departureProvince arrivalProvince departureDate arrivalDate status pageSize pageIndex	List<BillOfLadingDTO>	
	searchBillOfLadingOfGoodsOwner(Integer, Integer, Float, Float, String, String, Date, Date, int, int, int)	goodsTypeId packagedFormId weight volume departureProvince arrivalProvince departureDate arrivalDate userId	List<BillOfLadingDTO>	
	countBillOfLadingOfGoodsOwner(Integer, Integer, Float, Float, String, String, Date, Date, int)	goodsTypeId packagedFormId weight volume departureProvince arrivalProvince departureDate arrivalDate userId	int	

#### 4.2.1.3.3 CarrierAuctionBO

Class	CarrierAuctionBO
Description	An interface of CarrierAuctionBOImpl
Base Class	BaseBO

<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CarrierAuctionBO.java			
<b>Namespace</b>	vn.co.cex.bo			
<b>Methods</b>	Name	Input	Output	Description
	addNewCarrierAuction(CarrierAuction)	CarrierAuction	boolean	
	updateCarrierAuction(CarrierAuction)	CarrierAuction	boolean	
	getCarrierAuction(int, int)	carrierId billOfLadingId	CarrierAuction	
	getCarrierAuctionList(int)	billOfLadingId	List<CarrierAuctionDTO>	
	getCarrierAuctionSuccess(int)	billOfLadingId	CarrierAuctionDTO	
	getCarrierAuctionNotification()		List<CarrierAuctionNotificationDTO>	

#### 4.2.1.3.4 CommentBO

<b>Class</b>	CommentBO			
<b>Description</b>	An interface of CommentBOImpl			
<b>Base Class</b>	BaseBO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CommentBO.java			
<b>Namespace</b>	vn.co.cex.bo			
<b>Methods</b>	Name	Input	Output	Description
	getComments(int)	billOfLadingId	List<CommentDTO>	
	addNewComment(Comment)	comment	boolean	
	addNewAnswerComment(AnswerComment)	answerComment	boolean	

#### 4.2.1.3.5 CompanyBO

<b>Class</b>	CompanyBO			
<b>Description</b>	An interface of CompanyBOImpl			
<b>Base Class</b>	BaseBO			

<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CompanyBO.java			
<b>Namespace</b>	vn.co.cex.bo			
<b>Methods</b>	Name	Input	Output	Description
	getCompanyById(int)	id	Company	
	getCompanyByEmail(String)	id	Company	
	updateCompany(Company)	Company	boolean	
	InsertCompany(Company)	Company	boolean	

#### 4.2.1.3.6 DistrictBO

<b>Class</b>	DistrictBO			
<b>Description</b>	An interface of DistrictBOImpl			
<b>Base Class</b>	BaseBO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	DistrictBO.java			
<b>Namespace</b>	vn.co.cex.bo			
<b>Methods</b>	Name	Input	Output	Description
	getAllDistrict()		List<District>	
	getDistrictByProvinceCode(String)	provinceCode	List<District>	
	getDistrictNameByCode(String)	code	String	
	getProvinceCodeByCode(String)	code	String	

#### 4.2.1.3.7 GoodsTypeBO

<b>Class</b>	GoodsTypeBO			
<b>Description</b>	An interface of GoodsTypeBOImpl			
<b>Base Class</b>	BaseBO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			

<b>Source File</b>	GoodsTypeBO.java			
<b>Namespace</b>	vn.co.cex.bo			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	getAllGoodsType()		List<District>	
	getGoodsType(int)	Id	List<District>	
	updateGoodsType(GoodsType )	goodsType	boolean	

#### 4.2.1.3.8 OperationFeeBO

<b>Class</b>	OperationFeeBO			
<b>Description</b>	An interface of OperationFeeBOImpl			
<b>Base Class</b>	BaseBO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	OperationFeeBO.java			
<b>Namespace</b>	vn.co.cex.bo			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	getAllOperationFee(Integer)	Status	List<OperationFee>	
	addNewOperationFee(OperationFee)	OperationFee	boolean	
	updateOperationFee(OperationFee)	OperationFee	boolean	
	getOperationFeeById(int)	id	OperationFee	
	getOperationFeeByCode(String)	code	OperationFee	

#### 4.2.1.3.9 PackagedFormBO

<b>Class</b>	PackagedFormBO			
<b>Description</b>	An interface of PackagedFormBOImpl			
<b>Base Class</b>	BaseBO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	PackagedFormBO.java			
<b>Namespace</b>	vn.co.cex.bo			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>

	getAllPackagedForm ()		List<getPackagedForm>	
--	-----------------------	--	-----------------------	--

#### 4.2.1.3.10 PaymentDetailBO

<b>Class</b>	<b>PaymentDetailBO</b>			
<b>Description</b>	An interface of PaymentDetailBOImpl			
<b>Base Class</b>	BaseBO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	PaymentDetailBO.java			
<b>Namespace</b>	vn.co.cex.bo			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	addPaymentDetail(PaymentDetail)	paymentDetail	boolean	
	searchPaymentDetailUser(Date, Date, int, int, int)	beginPaymentDate endPaymentDate userId, pageSize pageIndex	List<PaymentDetail>	
	countPaymentDetailUser(Date, Date, int)	beginPaymentDate endPaymentDate userId	int	

#### 4.2.1.3.11 ProvinceBO

<b>Class</b>	<b>ProvinceBO</b>			
<b>Description</b>	An interface of ProvinceBOImpl			
<b>Base Class</b>	BaseBO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	ProvinceBO.java			
<b>Namespace</b>	vn.co.cex.bo			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	getAllProvince()	paymentDetail	List<Province>	
	getProcinveByCode(String )	code	Province	

## 4.2.1.3.12 ReportBO

<b>Class</b>	ReportBO			
<b>Description</b>	An interface of ReportBOImpl			
<b>Base Class</b>	BaseBO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	ReportBO.java			
<b>Namespace</b>	vn.co.cex.bo			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	getAllReport()		List<Report>	
	searchReportByAdmin(String, Date, Date, String, String, int, int)	id userId userName reportDateBegin reportDateEnd reportTitle reportQuestion reportSolution reportContent reportReply status	List<Report>	
	countReportByAdmin(String, Date, Date, String, String)	userName reportDateBegin reportDateEnd reportTitle reportReply	int	
	getReportById(int)	id	ReportDTO	
	updateReport(Report)	Report	boolean	
	searchReportByUser(int, Date, Date, String, boolean, int, int)	reportDateBegin reportDateEnd reportTitle status pageSize pageIndex	List<Report>	
	countReportByUser(int, Date, Date, String, boolean)	reportDateBegin reportDateEnd reportTitle status	int	
	addNewReport(Report)	Report	boolean	
	getAllReportByUserId(int)	userID	List< Province >	
	deleteReport(int)	id		

## 4.2.1.3.13 UsersAccountBO

<b>Class</b>	UsersAccountBO
--------------	----------------

<b>Description</b>	An interface of UsersAccountBOImpl			
<b>Base Class</b>	BaseBO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	UsersAccountBO.java			
<b>Namespace</b>	vn.co.cex.bo			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	createNewAccount(int)	userId	boolean	
	getAccountByUserId(int)	userId	UserAccount	
	checkAccount(int)	userId	float	
	plusMoneyAccount(int, float)	userId amount	boolean	
	minusMoneyAccount(int, float)	userId amount	boolean	

#### 4.2.1.3.14 UsersBO

<b>Class</b>	UsersBO			
Description	An interface of UsersBOImpl			
Base Class	BaseBO			
Constructor	BaseBean()			
Prototype	N/A			
Source File	UsersBO.java			
Namespace	vn.co.cex.bo			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	getUserById(int)	Id	Users	
	checkLogin(String, String)	Email, Password	Users	
	updateUsers(Users)	Users	Boolean	
	getUserByEmail(String)	Email	Users	
	register(Users)	Users	int	
	checkEmail(String)	Email	Boolean	
	checkPhoneNumber(String)	Phone no	Boolean	
	checkIdentityCard(String)	Identity card number	Boolean	
	searchUser(String, String, String, Integer, int, int, int)	fullName email province role status	List<Users >	
	countUsers(String, String, String, Integer, int)	fullName email province	Int	

		role status		
	activateUser(int)	Id		
	deactivateUser(int)	Id		

#### 4.2.1.4 BOImpl Class

##### 4.2.1.4.1 BaseBOImpl

<b>Class</b>	BaseBOImpl			
<b>Description</b>	Object manages the mapping details between a set of objects and underlying relational databases.			
<b>Base Class</b>	N/A			
<b>Constructor</b>	BaseBOImpl()			
<b>Prototype</b>	N/A			
<b>Source File</b>	BaseBOImpl.java			
<b>Namespace</b>	vn.co.cex.boImpl			
<b>Methods</b>	Name	Input	Output	Description
	getCompanyDAO()		CompanyDAO	
	setCompanyDAO(CompanyDAO)	CompanyDAO		
	getMailerBean()		MailerBean	
	setMailerBean(Mailer Bean)	MailerBean		
	getUsersDAO()		UsersDAO	
	setUsersDAO(UsersDAO)	UsersDAO		
	getReportDAO()		ReportDAO	
	setReportDAO(Report DAO)	ReportDAO		
	getBillOfLadingDAO()		BillOfLadingDAO	
	setBillOfLadingDAO(BillOfLadingDAO)	BillOfLadingDAO		
	getGoodsTypeDAO()		GoodsTypeDAO	
	setGoodsTypeDAO(GoodsTypeDAO)	GoodsTypeDAO		
	getPackagedFormDAO()		PackagedFormDAO	
	setPackagedFormDAO(PackagedFormDAO)	PackagedFormDAO		
	getProvinceDAO()		ProvinceDAO	
	setProvinceDAO(ProvinceDAO)	ProvinceDAO		
	getDistrictDAO()		DistrictDAO	
	setDistrictDAO(DistrictDAO)	DistrictDAO		
	getOperationFeeDAO()		OperationFeeDAO	
	setOperationFeeDAO(OperationFeeDAO)	OperationFeeDAO		
	getCarrierAuctionDAO()		CarrierAuctionDAO	

	setCarrierAuctionDAO(CarrierAuctionDAO)	CarrierAuctionDAO		
	getCommentDAO()		CommentDAO	
	setCommentDAO(CommentDAO)	CommentDAO		
	getUsersAccountDAO()		UsersAccountDAO	
	setUsersAccountDAO(UsersAccountDAO)	UsersAccountDAO		
	getPaymentDetailDAO()		PaymentDetailDAO	
	setPaymentDetailDAO(PaymentDetailDAO)	PaymentDetailDAO		

<b>Class</b>	BaseBOImpl		
<b>Description</b>	Object manages the mapping details between a set of objects and underlying relational databases.		
<b>Base Class</b>	N/A		
<b>Constructor</b>	BaseBOImpl()		
<b>Prototype</b>	N/A		
<b>Source File</b>	BaseBOImpl.java		
<b>Namespace</b>	vn.co.cex.bo.impl		
<b>Attributes</b>	Name	Type	Description
	Id	Integer	
	FullName	String	
	Email	String	
	Password	String	
	PhoneNumber	String	
	address	String	
	identityCard	String	
	identityCardPlace	String	
	identityCardDate	Date	
	identityCardImage	String	
	role	int	
	status	int	
	created	Date	
	companyId	Integer	
	userAvatar	String	

#### 4.2.1.4.2 BillOfLadingBOImpl

<b>Class</b>	BillOfLadingBOImpl		
<b>Description</b>	Implement the business logic by calling BillOfLadingDAO.		
<b>Base Class</b>	BaseBOImpl		

<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	BillOfLadingBOImpl.java			
<b>Namespace</b>	vn.co.cex.bo.impl			
<b>Methods</b>	Name	Input	Output	Description
	countTotalBillOfLading(int)	int	int	
	getBillOfLadingSummary()			
	searchBillOfLadingSummary(Integer, Integer, Float, Float, String, String, Date, Date)	goodsTypeId packFormId weight volume departureProvince arrivalProvince departureDate arrivalDate	List<BillOfLadingDTO>	
	getChartView()	List<ChartView>		
	addNewBillOfLading(BillOfLading)	BillOfLading	boolean	
	updateBillOfLading(BillOfLading)	BillOfLading	boolean	
	getBillOfLadingById(int)	int	BillOfLading	
	getBillOfLadingDTOById(int)	int	BillOfLading	
	searchBillOfLading(Integer, Integer, Float, Float, String, String, Date, Date, Integer, int, int)	goodsTypeId packagedFormId weight volume departureProvince arrivalProvince departureDate arrivalDate status pageSize pageIndex	List<BillOfLadingDTO>	
	searchBillOfLadingOfGoodsOwner(Integer, Integer, Float, Float, String, String, Date, Date, int, int, int)	goodsTypeId packagedFormId weight volume departureProvince arrivalProvince departureDate arrivalDate userId	List<BillOfLadingDTO>	
	countBillOfLadingOfGoodsOwner(Integer, Integer, Float, Float, String, String, Date, Date, int)	goodsTypeId packagedFormId weight volume departureProvince arrivalProvince departureDate arrivalDate userId	int	

## 4.2.1.4.3 CarrierAuctionBOImpl

<b>Class</b>	CarrierAuctionBOImpl			
<b>Description</b>	Implement the business logic by calling CarrierAuctionDAO.			
<b>Base Class</b>	BaseBOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CarrierAuctionBOImpl.java			
<b>Namespace</b>	vn.co.cex.bo.impl			
<b>Methods</b>	Name	Input	Output	Description
	addNewCarrierAuction(CarrierAuction)	CarrierAuction	boolean	
	updateCarrierAuction(CarrierAuction)	CarrierAuction	boolean	
	getCarrierAuction(int, int)	carrierId billOfLadingId	CarrierAuction	
	getCarrierAuctionList(int)	billOfLadingId	List<CarrierAuctionDTO>	
	getCarrierAuctionSuccess(int)	billOfLadingId	CarrierAuctionDTO	
	getCarrierAuctionNotification()		List<CarrierAuctionNotificationDTO>	

## 4.2.1.4.4 CommentBOImpl

<b>Class</b>	CommentBOImpl			
<b>Description</b>	Implement the business logic by calling CommentDAO.			
<b>Base Class</b>	BaseBOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CommentBOImpl.java			
<b>Namespace</b>	vn.co.cex.bo.impl			
<b>Methods</b>	Name	Input	Output	Description
	getComments(int)	billOfLadingId	List<CommentDTO>	
	addNewComment(Comment)	comment	boolean	
	addNewAnswerComment(AnswerComment)	answerComment	boolean	

## 4.2.1.4.5 CompanyBOImpl

<b>Class</b>	CompanyBOImpl			
<b>Description</b>	Implement the business logic by calling CompanyDAO.			
<b>Base Class</b>	BaseBOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CompanyBOImpl.java			
<b>Namespace</b>	vn.co.cex.bo.impl			
<b>Methods</b>	Name	Input	Output	Description
	getCompanyById(int)	id	Company	
	getCompanyByEmail(String)	id	Company	
	updateCompany(Company)	Company	boolean	
	InsertCompany(Company)	Company	boolean	

## 4.2.1.4.6 DistrictBOImpl

<b>Class</b>	DistrictBO			
<b>Description</b>	Implement the business logic by calling DistrictDAO.			
<b>Base Class</b>	BaseBOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	DistrictBOImpl.java			
<b>Namespace</b>	vn.co.cex.bo.impl			
<b>Methods</b>	Name	Input	Output	Description
	getAllDistrict()		List<District>	
	getDistrictByProvinceCode(String)	provinceCode	List<District>	
	getDistrictNameByCode(String)	code	String	
	getProvinceCodeByCode(String)	code	String	

## 4.2.1.4.7 GoodsTypeBOImpl

<b>Class</b>	GoodsTypeBOImpl			
<b>Description</b>	Implement the business logic by calling GoodsTypeDAO.			
<b>Base Class</b>	BaseBOImpl			
<b>Constructor</b>	N/A			

<b>Prototype</b>	N/A			
<b>Source File</b>	GoodsTypeBOImpl.java			
<b>Namespace</b>	vn.co.cex.bo.impl			
<b>Methods</b>	Name	Input	Output	Description
	getAllGoodsType()		List<District>	
	getGoodsType(int)	Id	List<District>	
	updateGoodsType(GoodsType)	goodsType	boolean	

#### 4.2.1.4.8 OperationFeeBOImpl

<b>Class</b>	OperationFeeBOImpl			
<b>Description</b>	Implement the business logic by calling OpeartionFeeDAO.			
<b>Base Class</b>	BaseBOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	OperationFeeBOImpl.java			
<b>Namespace</b>	vn.co.cex.bo.impl			
<b>Methods</b>	Name	Input	Output	Description
	getAllOperationFee(Integer)	Status	List<OperationFee>	
	addNewOperationFee(OperationFee)	OperationFee	boolean	
	updateOperationFee(OperationFee)	OperationFee	boolean	
	getOperationFeeById(int)	id	OperationFee	

#### 4.2.1.4.9 PackagedFormBOImpl

<b>Class</b>	PackagedFormBOImpl			
<b>Description</b>	Implement the business logic by calling PackagedFormDAO.			
<b>Base Class</b>	BaseBOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	PackagedFormBOImpl.java			
<b>Namespace</b>	vn.co.cex.bo.impl			
<b>Methods</b>	Name	Input	Output	Description
	getAllPackagedForm()		List<PackagedForm>	

## 4.2.1.4.10 PaymentDetailBOImpl

<b>Class</b>	PaymentDetailBO			
<b>Description</b>	Implement the business logic by calling PaymentDetailDAO.			
<b>Base Class</b>	BaseBOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	PaymentDetailBOImpl.java			
<b>Namespace</b>	vn.co.cex.bo.impl			
<b>Methods</b>	Name	Input	Output	Description
	addPaymentDetail(PaymentDetail)	paymentDetail	boolean	
	searchPaymentDetailUser(Date, Date, int, int, int)	beginPaymentDate endPaymentDate userId pageSize pageIndex	List<Payment Detail>	
	countPaymentDetailUser(Date, Date, int)	beginPaymentDate endPaymentDate userId	int	

## 4.2.1.4.11 ProvinceBOImpl

<b>Class</b>	ProvinceBOImpl			
<b>Description</b>	Implement the business logic by calling ProvinceDAO.			
<b>Base Class</b>	BaseBOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	ProvinceBOImpl.java			
<b>Namespace</b>	vn.co.cex.bo.impl			
<b>Methods</b>	Name	Input	Output	Description
	getAllProvince()	paymentDetail	List< Province >	
	getProvincByCode(String)	code	Province	

## 4.2.1.4.12 ReportBOImpl

<b>Class</b>	ReportBO			
<b>Description</b>	Implement the business logic by calling ReportDAO.			
<b>Base Class</b>	BaseBOImpl			

<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	ReportBOImpl.java			
<b>Namespace</b>	vn.co.cex.bo.impl			
<b>Methods</b>	Name	Input	Output	Description
	getAllReport()		List<Report>	
	searchReportByAdmin(String, Date, Date, String, String, int, int)	id userId userName reportDateBegin reportDateEnd reportTitle reportQuestion reportSolution reportContent reportReply status	List<Report>	
	countReportByAdmin(String, Date, Date, String, String)	userName reportDateBegin reportDateEnd reportTitle reportReply	int	
	getReportById(int)	id	ReportDTO	
	updateReport(Report)	Report	boolean	
	searchReportByUser(int, Date, Date, String, boolean, int, int)	reportDateBegin reportDateEnd reportTitle status pageSize pageIndex	List<Report>	
	countReportByUser(int, Date, Date, String, boolean)	reportDateBegin reportDateEnd reportTitle status	int	
	addNewReport(Report)	Report	boolean	
	getAllReportByUserId(int)	userId	List<Province>	
	deleteReport(int)	id		

#### 4.2.1.4.13 UsersAccountBOImpl

<b>Class</b>	UsersAccountBOImpl
<b>Description</b>	Implement the business logic by calling UserAccountDAO.
<b>Base Class</b>	BaseBOImpl
<b>Constructor</b>	N/A
<b>Prototype</b>	N/A

<b>Source File</b>	UsersAccountBOImpl.java			
<b>Namespace</b>	vn.co.cex.bo.impl			
<b>Methods</b>	Name	Input	Output	Description
	createNewAccount(int)	userId	boolean	
	getAccountByUserId(int)	userId	UserAccount	
	checkAccount(int)	userId	float	
	plusMoneyAccount(int, float)	userId amount	boolean	
	minusMoneyAccount(int, float)	userId amount	boolean	

#### 4.2.1.4.14 UsersBOImpl

<b>Class</b>	UsersBOImpl			
<b>Description</b>	Implement the business logic by calling UserDAO.			
<b>Base Class</b>	BaseBOImpl			
<b>Constructor</b>	BaseBean()			
<b>Prototype</b>	N/A			
<b>Source File</b>	UsersBOImpl.java			
<b>Namespace</b>	vn.co.cex.bo.impl			
<b>Methods</b>	Name	Input	Output	Description
	getUserById(int)	Id	Users	
	checkLogin(String, String)	Email, Password	Users	
	updateUsers(Users)	Users	Boolean	
	getUserByEmail(String)	Email	Users	
	register(Users)	Users	int	
	checkEmail(String)	Email	Boolean	
	checkPhoneNumber(String)	Phone no	Boolean	
	checkIdentityCard(String)	Identity card number	Boolean	
	searchUser(String, String, String, Integer, int, int, int)	fullName, email, province, role, status	List<Users>	
	countUsers(String, String, String, Integer, int)	fullName, email province role, status	Int	
	activateUser(int)	Id		
	deactivateUser(int)	Id		

#### 4.2.1.5 DAO class

##### 4.2.1.5.1 BaseDAO

<b>Class</b>	BaseDAO	
<b>Description</b>	An interface of BaseDAOImpl	

<b>Base Class</b>	N/A
<b>Constructor</b>	N/A
<b>Prototype</b>	N/A
<b>Source File</b>	BaseDAO.java
<b>Namespace</b>	vn.co.cex.dao

#### 4.2.1.5.2 BillOfLadingDAO

<b>Class</b>	BillOfLadingDAO																																										
<b>Description</b>	An interface of BillOfLadingDAOImpl																																										
<b>Base Class</b>	BaseDAO																																										
<b>Constructor</b>	N/A																																										
<b>Prototype</b>	N/A																																										
<b>Source File</b>	BillOfLadingDAO.java																																										
<b>Namespace</b>	vn.co.cex.dao																																										
<b>Methods</b>	<table border="1"> <thead> <tr> <th>Name</th> <th>Input</th> <th>Output</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>countTotalBillOfLading(int)</td> <td>int</td> <td>int</td> <td></td> </tr> <tr> <td>getBillOfLadingSummary()</td> <td></td> <td></td> <td></td> </tr> <tr> <td>searchBillOfLadingSummary(Integer, Integer, Float, Float, String, String, Date, Date)</td> <td>goodsTypeId packFormId weight volume departureProvince arrivalProvince departureDate arrivalDate</td> <td>List&lt;BillOfLadingDTO&gt;</td> <td></td> </tr> <tr> <td>getChartView()</td> <td>List&lt;ChartView&gt;</td> <td></td> <td></td> </tr> <tr> <td>addNewBillOfLading(BillOfLading)</td> <td>BillOfLading</td> <td>boolean</td> <td></td> </tr> <tr> <td>updateBillOfLading(BillOfLading)</td> <td>BillOfLading</td> <td>boolean</td> <td></td> </tr> <tr> <td>getBillOfLadingById(int)</td> <td>int</td> <td>BillOfLading</td> <td></td> </tr> <tr> <td>getBillOfLadingDTOById(int)</td> <td>int</td> <td>BillOfLading</td> <td></td> </tr> <tr> <td>searchBillOfLading(Integer, Integer, Float, Float, String, Date, Date, Integer, int, int)</td> <td>goodsTypeId packagedFormId weight volume departureProvince arrivalProvince departureDate arrivalDate status pageSize pageIndex</td> <td>List&lt;BillOfLadingDTO&gt;</td> <td></td> </tr> </tbody> </table>	Name	Input	Output	Description	countTotalBillOfLading(int)	int	int		getBillOfLadingSummary()				searchBillOfLadingSummary(Integer, Integer, Float, Float, String, String, Date, Date)	goodsTypeId packFormId weight volume departureProvince arrivalProvince departureDate arrivalDate	List<BillOfLadingDTO>		getChartView()	List<ChartView>			addNewBillOfLading(BillOfLading)	BillOfLading	boolean		updateBillOfLading(BillOfLading)	BillOfLading	boolean		getBillOfLadingById(int)	int	BillOfLading		getBillOfLadingDTOById(int)	int	BillOfLading		searchBillOfLading(Integer, Integer, Float, Float, String, Date, Date, Integer, int, int)	goodsTypeId packagedFormId weight volume departureProvince arrivalProvince departureDate arrivalDate status pageSize pageIndex	List<BillOfLadingDTO>			
Name	Input	Output	Description																																								
countTotalBillOfLading(int)	int	int																																									
getBillOfLadingSummary()																																											
searchBillOfLadingSummary(Integer, Integer, Float, Float, String, String, Date, Date)	goodsTypeId packFormId weight volume departureProvince arrivalProvince departureDate arrivalDate	List<BillOfLadingDTO>																																									
getChartView()	List<ChartView>																																										
addNewBillOfLading(BillOfLading)	BillOfLading	boolean																																									
updateBillOfLading(BillOfLading)	BillOfLading	boolean																																									
getBillOfLadingById(int)	int	BillOfLading																																									
getBillOfLadingDTOById(int)	int	BillOfLading																																									
searchBillOfLading(Integer, Integer, Float, Float, String, Date, Date, Integer, int, int)	goodsTypeId packagedFormId weight volume departureProvince arrivalProvince departureDate arrivalDate status pageSize pageIndex	List<BillOfLadingDTO>																																									

## 4.2.1.5.3 CarrierAuctionDAO

<b>Class</b>	CarrierAuctionDAO			
<b>Description</b>	An interface of CarrierAuctionDAOImpl			
<b>Base Class</b>	BaseDAO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CarrierAuctionDAO.java			
<b>Namespace</b>	vn.co.cex.dao			
<b>Methods</b>	Name	Input	Output	Description
	addNewCarrierAuction( CarrierAuction)	CarrierAuction	boolean	
	updateCarrierAuction( CarrierAuction)	CarrierAuction	boolean	
	getCarrierAuction(int, int)	carrierId billOfLadingId	CarrierAuction	
	getCarrierAuctionList(int)	billOfLadingId	List<CarrierAuctionDTO>	
	getCarrierAuctionSuccess(int)	billOfLadingId	CarrierAuction DTO	
	getCarrierAuctionNotification()		List<CarrierAuctionNotificationDTO>	

## 4.2.1.5.4 CommentDAO

<b>Class</b>	CommentDAO			
<b>Description</b>	An interface of CommentDAOImpl			
<b>Base Class</b>	BaseDAO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CommentDAO.java			
<b>Namespace</b>	vn.co.cex.dao			
<b>Methods</b>	Name	Input	Output	Description
	getComments(int)	billOfLadingId	List<Comment DTO>	
	addNewComment(Comment)	comment	boolean	
	addNewAnswerComment(AnswerComment)	answerComment	boolean	

#### 4.2.1.5.5 CompanyDAO

<b>Class</b>	CompanyDAO			
<b>Description</b>	An interface of CompanyDAOImpl			
<b>Base Class</b>	BaseDAO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CompanyBO.java			
<b>Namespace</b>	vn.co.cex.dao			
<b>Methods</b>	Name	Input	Output	Description
	getCompanyById(int)	id	Company	
	getCompanyByEmail(String)	id	Company	
	updateCompany(Company)	Company	boolean	
	InsertCompany(Company)	Company	boolean	

#### 4.2.1.5.6 DistrictDAO

<b>Class</b>	DistrictDAO			
<b>Description</b>	An interface of DistrictDAOImpl			
<b>Base Class</b>	BaseDAO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	DistrictDAO.java			
<b>Namespace</b>	vn.co.cex.dao			
<b>Methods</b>	Name	Input	Output	Description
	getAllDistrict()		List<District>	
	getDistrictByProvinceCode(String)	provinceCode	List<District>	
	getDistrictNameByCode(String)	code	String	
	getProvinceCodeByCode(String)	code	String	

#### 4.2.1.5.7 GoodsTypeDAO

<b>Class</b>	GoodsTypeDAO			
<b>Description</b>	An interface of GoodsTypeDAOImpl			
<b>Base Class</b>	BaseDAO			
<b>Constructor</b>	N/A			

<b>Prototype</b>	N/A			
<b>Source File</b>	GoodsTypeDAO.java			
<b>Namespace</b>	vn.co.cex.dao			
<b>Methods</b>	Name	Input	Output	Description
	getAllGoodsType()		List<District>	
	getGoodsType(int)	Id	List<District>	
	updateGoodsType(GoodsType)	goodsType	boolean	

#### 4.2.1.5.8 OperationFeeDAO

<b>Class</b>	OperationFeeDAO			
<b>Description</b>	An interface of OperationFeeDAOImpl			
<b>Base Class</b>	BaseDAO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	OperationFeeDAO.java			
<b>Namespace</b>	vn.co.cex.dao			
<b>Methods</b>	Name	Input	Output	Description
	getAllOperationFee(Integer)	Status	List<Operation Fe>	
	addNewOperationFee(OperationFee)	OperationFee	boolean	
	updateOperationFee(OperationFee)	OperationFee	boolean	
	getOperationFeeById(int)	id	OperationFee	
	getOperationFeeByCode(String)	code	OperationFee	

#### 4.2.1.5.9 PackagedFormDAO

<b>Class</b>	PackagedFormDAO			
<b>Description</b>	An interface of PackagedFormDAOImpl			
<b>Base Class</b>	BaseDAO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	PackagedFormBO.java			
<b>Namespace</b>	vn.co.cex.dao			
<b>Methods</b>	Name	Input	Output	Description
	getAllPackagedForm ()		List<getPackagedForm>	

## 4.2.1.5.10 PaymentDetailDAO

<b>Class</b>	PaymentDetailDAO			
<b>Description</b>	An interface of PaymentDetailDAOImpl			
<b>Base Class</b>	BaseBO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	PaymentDetailBO.java			
<b>Namespace</b>	vn.co.cex.dao			
<b>Methods</b>	Name	Input	Output	Description
	addPaymentDetail(PaymentDetail)	paymentDetail	boolean	
	searchPaymentDetailUser(Date, Date, int, int, int)	beginPaymentDate endPaymentDate userId, pageSize pageIndex	List<PaymentDetail>	
	countPaymentDetailUser(Date, Date, int)	beginPaymentDate endPaymentDate userId	int	

## 4.2.1.5.11 ProvinceDAO

<b>Class</b>	ProvinceDAO			
<b>Description</b>	An interface of ProvinceDAOImpl			
<b>Base Class</b>	BaseDAO			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	ProvinceDAO.java			
<b>Namespace</b>	vn.co.cex.dao			
<b>Methods</b>	Name	Input	Output	Description
	getAllProvince()	paymentDetail	List<Province >	
	getProvinceByCode(String)	code	Province	

## 4.2.1.5.12 ReportDAO

<b>Class</b>	ReportDAO			
<b>Description</b>	An interface of ReportDAOImpl			
<b>Base Class</b>	BaseDAO			

<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	ReportDAO.java			
<b>Namespace</b>	vn.co.cex.dao			
<b>Methods</b>	Name	Input	Output	Description
	getAllReport()		List<Report>	
	searchReportByAdmin(String, Date, Date, String, String, int, int)	id userId userName reportDateBegin reportDateEnd reportTitle reportQuestion reportSolution reportContent reportReply status	List<Report>	
	countReportByAdmin(String, Date, Date, String, String)	userName reportDateBegin reportDateEnd reportTitle reportReply	int	
	getReportById(int)	id	ReportDTO	
	updateReport(Report)	Report	boolean	
	searchReportByUser(int, Date, Date, String, boolean, int, int)	reportDateBegin reportDateEnd reportTitle status pageSize pageIndex	List<Report>	
	countReportByUser(int, Date, Date, String, boolean)	reportDateBegin reportDateEnd reportTitle status	int	
	addNewReport(Report)	Report	boolean	
	getAllReportByUserId(int)	userID	List< Province >	
	deleteReport(int)	id		

#### 4.2.1.5.13 UsersAccountDAO

<b>Class</b>	UsersAccountDAO		
Description	An interface of UsersAccountDAOImpl		
Base Class	BaseDAO		
Constructor	N/A		
Prototype	N/A		

Source File	UsersAccountDAO.java			
Namespace	vn.co.cex.dao			
Methods	Name	Input	Output	Description
	createNewAccount(int)	userId	boolean	
	getAccountByUserId(int)	userId	UserAccount	
	checkAccount(int)	userId	float	
	plusMoneyAccount(int, float)	userId amount	boolean	
	minusMoneyAccount(int, float)	userId amount	boolean	

#### 4.2.1.5.14 UsersDAO

Class	UsersDAO			
Description	An interface of UsersDAOImpl			
Base Class	BaseDAO			
Constructor	BaseBean()			
Prototype	N/A			
Source File	UsersDAO.java			
Namespace	vn.co.cex.dao			
Methods	Name	Input	Output	Description
	getUserById(int)	Id	Users	
	checkLogin(String, String)	Email Password	Users	
	updateUsers(Users)	Users	Boolean	
	getUserByEmail(String)	Email	Users	
	register(Users)	Users	int	
	checkEmail(String)	Email	Boolean	
	checkPhoneNumber(String)	Phone no	Boolean	
	checkIdentityCard(String)	Identity card number	Boolean	
	searchUser(String, String, String, Integer, int, int, int)	fullName email province role status	List<Users>	
	countUsers(String, String, String, Integer, int)	fullName email province role status	Int	
	activateUser(int)	Id		
	deactivateUser(int)	Id		

#### 4.2.1.6 DAOImpl class

##### 4.2.1.6.1 BaseDAOImpl

<b>Class</b>	<b>BaseDAOImpl</b>
<b>Description</b>	Access the Database and implement the business logic.
<b>Base Class</b>	N/A
<b>Constructor</b>	N/A
<b>Prototype</b>	N/A
<b>Source File</b>	BaseDAOImpl.java
<b>Namespace</b>	vn.co.cex.dao.impl

##### 4.2.1.6.2 BillOfLadingDAOImpl

<b>Class</b>	<b>BillOfLadingDAOImpl</b>			
<b>Description</b>	Access the Database and implement the business logic.			
<b>Base Class</b>	BaseDAOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	BillOfLadingDAOImpl.java			
<b>Namespace</b>	vn.co.cex.dao.impl			
<b>Methods</b>	Name	Input	Output	Description
	countTotalBillOfLading(int)	int	int	
	getBillOfLadingSummary()			
	searchBillOfLadingSummary(Integer, Integer, Float, Float, String, String, Date, Date)	goodsTypeId packFormId weight volume departureProvince arrivalProvince departureDate arrivalDate	List<BillOfLadingDTO>	
	getChartView()	List<ChartView>		
	addNewBillOfLading(BillOfLading)	BillOfLading	boolean	
	updateBillOfLading(BillOfLading)	BillOfLading	boolean	
	getBillOfLadingById(int)	int	BillOfLading	
	getBillOfLadingDTOById(int)	int	BillOfLading	
	searchBillOfLading(Integer, Integer, Float, Float, String, String, Date, Date, Integer, int, int)	goodsTypeId packagedFormId weight volume departureProvince arrivalProvince	List<BillOfLadingDTO>	

		departureDate arrivalDate status pageSize pageIndex		
	searchBillOfLadingOfGoodsOwner(Integer, Integer, Float, Float, String, String, Date, Date, int, int, int)	goodsTypeId packagedFormId weight volume departureProvince arrivalProvince departureDate arrivalDate userId	List<BillOfLadingDTO>	
	countBillOfLadingOfGoodsOwner(Integer, Integer, Float, Float, String, String, Date, Date, int)	goodsTypeId packagedFormId weight volume departureProvince arrivalProvince departureDate arrivalDate userId	int	

#### 4.2.1.6.3 CarrierAuctionDAOImpl

<b>Class</b>	CarrierAuctionDAOImpl			
<b>Description</b>	Access the Database and implement the business logic.			
<b>Base Class</b>	BaseDAOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CarrierAuctionDAOImpl.java			
<b>Namespace</b>	vn.co.cex.dao.impl			
<b>Methods</b>	Name	Input	Output	Description
	addNewCarrierAuction(CarrierAuction)	CarrierAuction	boolean	
	updateCarrierAuction(CarrierAuction)	CarrierAuction	boolean	
	getCarrierAuction(int, int)	carrierId billOfLadingId	CarrierAuction	
	getCarrierAuctionList(int)	billOfLadingId	List<CarrierAuctionDTO>	
	getCarrierAuctionSuccess(int)	billOfLadingId	CarrierAuction DTO	
	getCarrierAuctionNotification()		List<CarrierAuctionNotificationDTO>	

## 4.2.1.6.4 CommentDAOImpl

<b>Class</b>	CommentDAOImpl			
<b>Description</b>	Access the Database and implement the business logic.			
<b>Base Class</b>	BaseDAOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CommentDAOImpl.java			
<b>Namespace</b>	vn.co.cex.dao.impl			
<b>Methods</b>	Name	Input	Output	Description
	getComments(int)	billOfLadingId	List<Comment DTO>	
	addNewComment(Comment)	comment	boolean	
	addNewAnswerComment(AnswerComment)	answerComment	boolean	

## 4.2.1.6.5 CompanyDAOImpl

<b>Class</b>	CompanyDAOImpl			
<b>Description</b>	Access the Database and implement the business logic.			
<b>Base Class</b>	BaseDAOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	CompanyBOImpl.java			
<b>Namespace</b>	vn.co.cex.dao.impl			
<b>Methods</b>	Name	Input	Output	Description
	getCompanyById(int)	id	Company	
	getCompanyByEmail(String)	id	Company	
	updateCompany(Company)	Company	boolean	
	InsertCompany(Company)	Company	boolean	

## 4.2.1.6.6 DistrictDAOImpl

<b>Class</b>	DistrictDAOImpl			
<b>Description</b>	Access the Database and implement the business logic.			
<b>Base Class</b>	BaseDAOImpl			
<b>Constructor</b>	N/A			

<b>Prototype</b>	N/A			
<b>Source File</b>	DistrictDAOImpl.java			
<b>Namespace</b>	vn.co.cex.dao.impl			
<b>Methods</b>	Name	Input	Output	Description
	getAllDistrict()		List<District>	
	getDistrictByProvinceCode(String)	provinceCode	List<District>	
	getDistrictNameByCode(String)	code	String	
	getProvinceCodeByCode(String)	code	String	

#### 4.2.1.6.7 GoodsTypeDAOImpl

<b>Class</b>	GoodsTypeDAOImpl			
<b>Description</b>	Access the Database and implement the business logic.			
<b>Base Class</b>	BaseDAOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	GoodsTypeDAOImpl.java			
<b>Namespace</b>	vn.co.cex.dao.impl			
<b>Methods</b>	Name	Input	Output	Description
	getAllGoodsType()		List<District>	
	getGoodsType(int)	Id	List<District>	
	updateGoodsType(GoodsType)	goodsType	boolean	

#### 4.2.1.6.8 OperationFeeDAOImpl

<b>Class</b>	OperationFeeDAOImpl			
<b>Description</b>	Access the Database and implement the business logic.			
<b>Base Class</b>	BaseDAOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	OperationFeeDAOImpl.java			
<b>Namespace</b>	vn.co.cex.dao.impl			
<b>Methods</b>	Name	Input	Output	Description
	getAllOperationFee(Integer)	Status	List<OperationFee>	
	addNewOperationFee(OperationFee)	OperationFee	boolean	
	updateOperationFee(OperationFee)	OperationFee	boolean	
	getOperationFeeById(int)	id	OperationFee	

	getOperationFeeByCode(String)	code	OperationFee	
--	-------------------------------	------	--------------	--

#### 4.2.1.6.9 PackagedFormDAOImpl

<b>Class</b>	<b>PackagedFormDAOImpl</b>			
<b>Description</b>	Access the Database and implement the business logic.			
<b>Base Class</b>	BaseDAOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	PackagedFormBOImpl.java			
<b>Namespace</b>	vn.co.cex.dao.impl			
<b>Methods</b>	Name	Input	Output	Description
	getAllPackagedForm ()		List<getPackagedForm>	

#### 4.2.1.6.10 PaymentDetailDAOImpl

<b>Class</b>	<b>PaymentDetailDAOImpl</b>			
<b>Description</b>	Access the Database and implement the business logic.			
<b>Base Class</b>	BaseBOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	PaymentDetailBOImpl.java			
<b>Namespace</b>	vn.co.cex.dao.impl			
<b>Methods</b>	Name	Input	Output	Description
	addPaymentDetail( PaymentDetail)	paymentDetail	boolean	
	searchPaymentDetailUser(Date, Date, int, int, int)	beginPaymentDate endPaymentDate userId, pageSize pageIndex	List<Paym entDetail>	
	countPaymentDetailUser(Date, Date, int)	beginPaymentDate endPaymentDate userId	int	

#### 4.2.1.6.11 ProvinceDAOImpl

<b>Class</b>	<b>ProvinceDAOImpl</b>			
<b>Description</b>	Access the Database and implement the business logic.			

<b>Base Class</b>	BaseDAOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	ProvinceDAOImpl.java			
<b>Namespace</b>	vn.co.cex.dao.impl			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	getAllProvince()	paymentDetail	List< Province >	
	getProcinveByCode(String )	code	Province	

#### 4.2.1.6.12 ReportDAOImpl

<b>Class</b>	ReportDAOImpl			
<b>Description</b>	Access the Database and implement the business logic.			
<b>Base Class</b>	BaseDAOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	ReportDAOImpl.java			
<b>Namespace</b>	vn.co.cex.dao.impl			
<b>Methods</b>	<b>Name</b>	<b>Input</b>	<b>Output</b>	<b>Description</b>
	getAllReport()		List<Report>	
	searchReportByAdmin(String , Date, Date, String, String, int, int)	id userId userName reportDateBegin reportDateEnd reportTitle reportQuestion reportSolution reportContent reportReply status	List<Report>	
	countReportByAdmin(String, Date, Date, String, String)	userName reportDateBegin reportDateEnd reportTitle reportReply	int	
	getReportById(int)	id	ReportDTO	
	updateReport(Report)	Report	boolean	
	searchReportByUser(int, Date, Date, String, boolean, int, int)	reportDateBegin reportDateEnd reportTitle status	List<Report>	

		pageSize pageIndex		
	countReportByUser(int, Date, Date, String, boolean)	reportDateBegin reportDateEnd reportTitle status	int	
	addNewReport(Report)	Report	boolean	
	getAllReportByUserId(int)	userID	List< Province >	
	deleteReport(int)	id		

#### 4.2.1.6.13 UsersAccountDAOImpl

<b>Class</b>	UsersAccountDAOImpl			
<b>Description</b>	Access the Database and implement the business logic.			
<b>Base Class</b>	BaseDAOImpl			
<b>Constructor</b>	N/A			
<b>Prototype</b>	N/A			
<b>Source File</b>	UsersAccountDAOImpl.java			
<b>Namespace</b>	vn.co.cex.dao.impl			
<b>Methods</b>	Name	Input	Output	Description
	createNewAccount(int)	userId	boolean	
	getAccountByUserId(int)	userId	UserAccount	
	checkAccount(int)	userId	float	
	plusMoneyAccount(int, float)	userId amount	boolean	
	minusMoneyAccount(int, float)	userId amount	boolean	

#### 4.2.1.6.14 UsersDAOImpl

<b>Class</b>	UsersDAOImpl			
<b>Description</b>	Access the Database and implement the business logic.			
<b>Base Class</b>	BaseDAOImpl			
<b>Constructor</b>	BaseBean()			
<b>Prototype</b>	N/A			
<b>Source File</b>	UsersDAOImpl.java			
<b>Namespace</b>	vn.co.cex.dao.impl			
<b>Methods</b>	Name	Input	Output	Description
	getUserById(int)	Id	Users	
	checkLogin(String, String)	Email Password	Users	
	updateUsers(Users)	Users	Boolean	
	getUserByEmail(String)	Email	Users	
	register(Users)	Users	int	

	checkEmail(String)	Email	Boolean	
	checkPhoneNumber(String)	Phone no	Boolean	
	checkIdentityCard(String)	Identity card number	Boolean	
	searchUser(String, String, String, Integer, int, int, int)	fullName email province role status	List<Users>	
	countUsers(String, String, String, Integer, int)	fullName email province role status	Int	
	activateUser(int)	Id		
	deactivateUser(int)	Id		

## 4.2.2 Class Detail Design

### 4.2.2.1 Guest register a new account

#### 4.2.2.1.1 Class Diagram

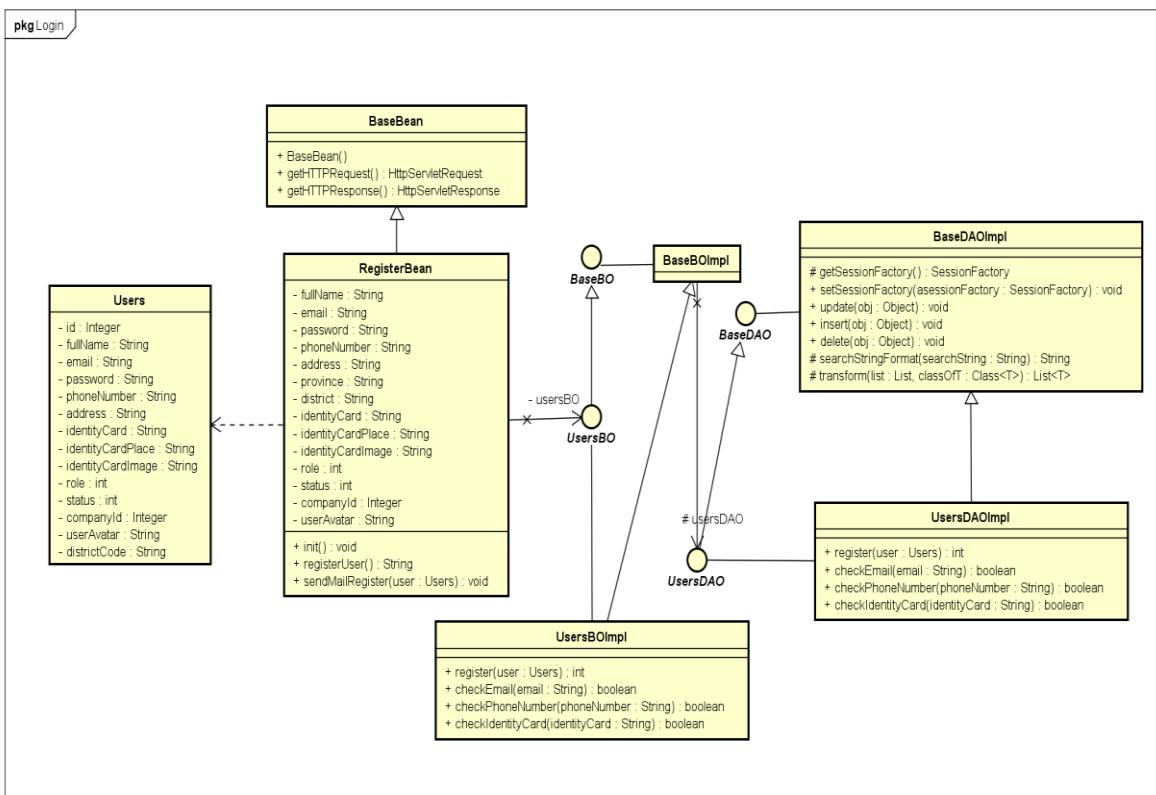


Figure 4.2-1 Register Class Diagram

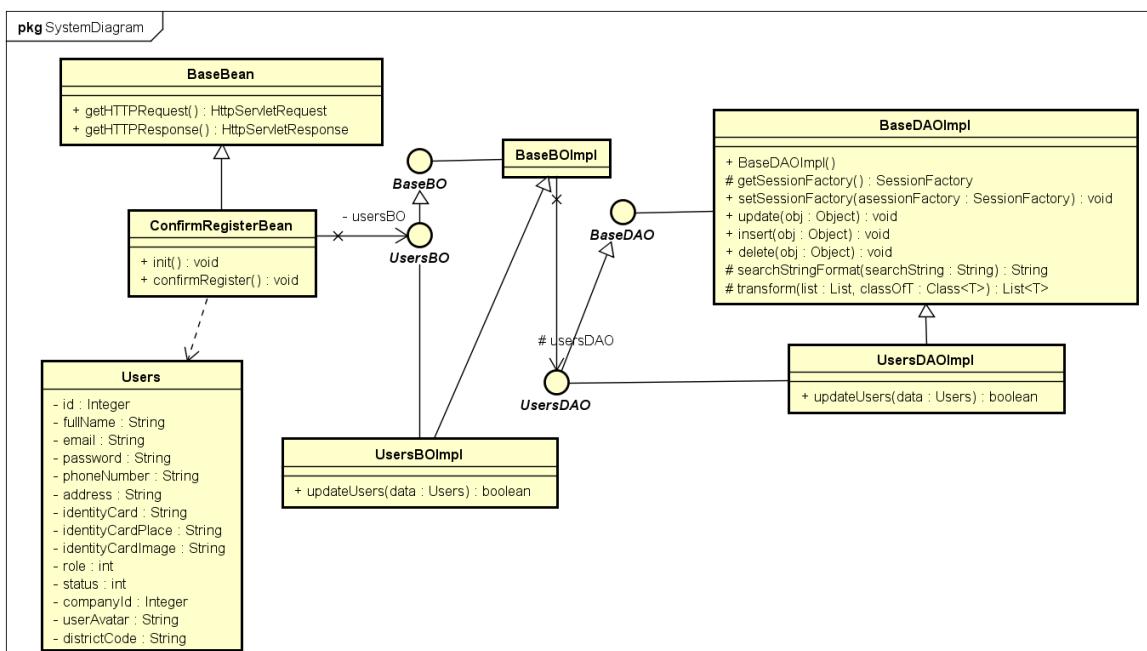


Figure 4.2-2 Mail Confirm Class Diagram

#### 4.2.2.1.2 Screen Design

Figure 4.2-3 Register

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Tên đầy đủ	fullName	inputText	Yes	50	
2	Địa chỉ Email	email	inputText	Yes	50	
3	Số điện thoại	phonenNmber	inputText	Yes	20	

4	Địa chỉ	Address	inputText	Yes	100	
5	Tỉnh/Thành phố	province	selectOneMenu	Yes	50	
6	Quận/Huyện	district	selectOneMenu	Yes	50	
7	Chứng minh thư	identityCard	inputText	Yes	20	
8	Nơi cấp	identityCardPlace	inputText	Yes	100	
9	Ngày cấp	identityCardDate	calendar	Yes		
10	Ảnh chứng minh thư	identityCardImage	fileUpload	Yes		
11	Mật khẩu	password	password	Yes	50	
12	Xác nhận mật khẩu	reEnterPassword	password	Yes	50	
13	Loại người dùng	role	selectOneRadio	Yes		
14	Đăng ký	register	commandButton			

#### 4.2.2.1.3 Sequence Diagram

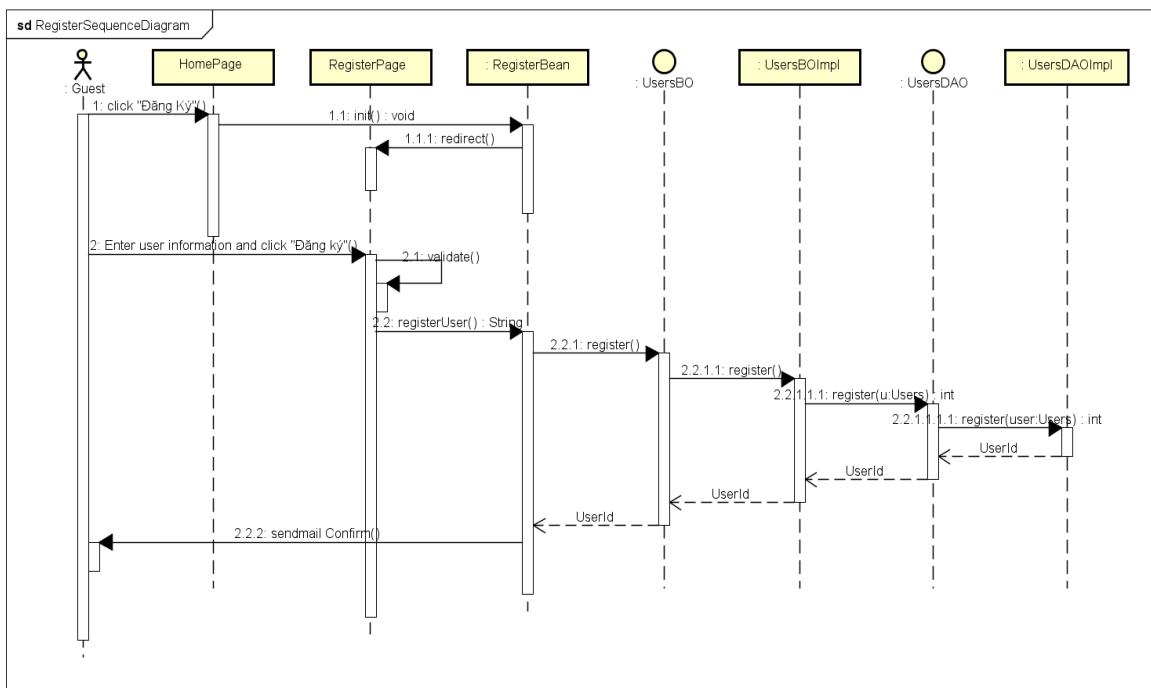


Figure 4.2-4 Register Sequence Diagram

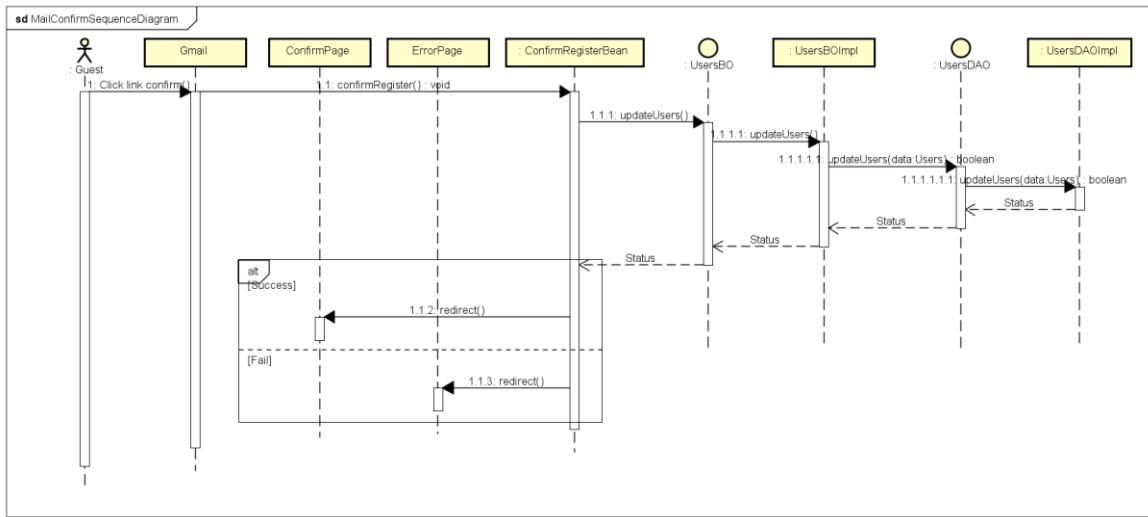


Figure 4.2-5 Mail Confirm sequence Diagram

#### 4.2.2.2 Guest reference fee

##### 4.2.2.2.1 Class Diagram

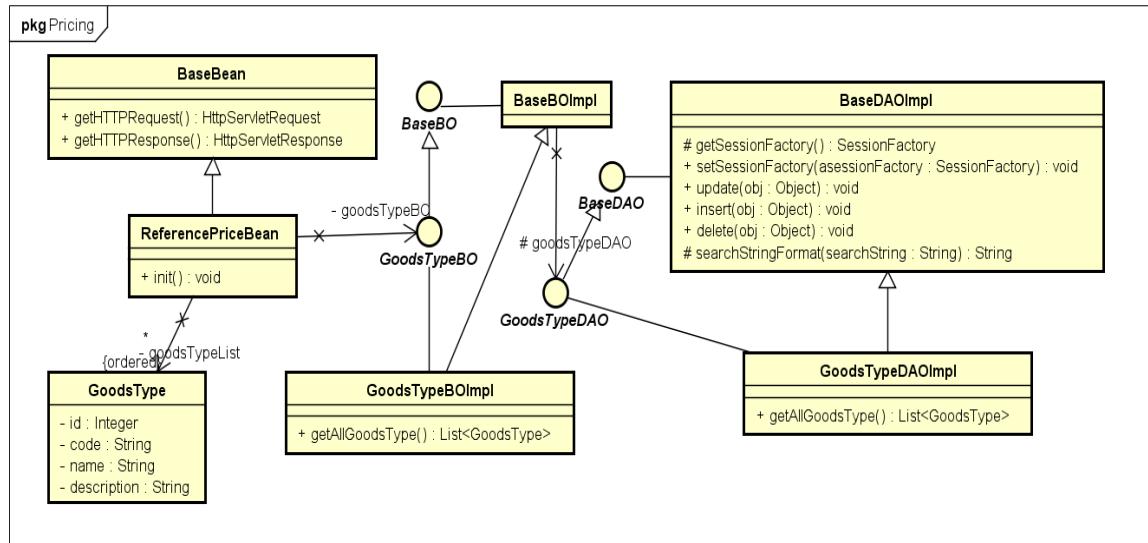


Figure 4.2-6 View Reference Fee Class Diagram

#### 4.2.2.2.2 Screen Design

STT	Loại hàng	Khối lượng	Quãng đường	Giá tham chiếu (VND)
1	Bên-ghề-giường-tủ	100 (kg)	10 (km)	10,000
2	Đồ uống	100 (kg)	10 (km)	10,000
3	Động vật	100 (kg)	10 (km)	10,000
4	Hàng điện tử	100 (kg)	10 (km)	10,000
5	Hóa chất	100 (kg)	10 (km)	10,000
6	Hoa quả	100 (kg)	10 (km)	10,000
7	Kim loại - nguyên liệu	100 (kg)	10 (km)	10,000
8	Máy móc - cơ khí	100 (kg)	10 (km)	10,000
9	Sức khỏe - làm đẹp	100 (kg)	10 (km)	10,000
10	Thể thao	100 (kg)	10 (km)	10,000
11	Thực phẩm khô	100 (kg)	10 (km)	10,000
12	Thực phẩm tươi	100 (kg)	10 (km)	10,000
13	Văn phòng phẩm	100 (kg)	10 (km)	10,000
14	Vật liệu xây dựng	100 (kg)	10 (km)	10,000

Dưới đây là bảng giá cước tham khảo theo mặt bằng chung của các đơn vị vận tải hàng hóa tham gia trên hệ thống sàn giao dịch vận tải.

Figure 4.2-7 Reference Fee (part 1)

H.C.M	Tự 100 - 500 kg	Tự 500 - 1.000 kg	Tự 1tấn đến 2,5 tấn	Tự 2,5 tấn đến 5 tấn	Tự 5 tấn đến 10 tấn	10tấn đến 20 tấn	Trên 20 tấn	1đến 20 khối	Trên 20 khối	Ghi chú
Cần Thơ	650	600	550	500	450	380	300	225.000	165.000	
Vũng Tàu	650	600	550	500	450	380	300	225.000	165.000	
Tiền Giang	850	600	600	550	500	380	300	225.000	165.000	
Vĩnh Long	850	600	600	550	500	380	300	225.000	165.000	
Nha Trang	1.500	1.000	850	800	750	700	650	270.000	225.000	
Gia Lai	1.500	1.000	850	800	750	700	650	270.000	225.000	
An Giang	1.500	1.000	850	800	750	700	650	270.000	225.000	
Bình Thuận	1.500	1.000	850	800	750	700	650	270.000	225.000	
Ninh Thuận	1.500	1.000	850	800	750	700	650	270.000	225.000	
Ca Mau	1.500	1.000	850	800	750	750	750	320.000	270.000	
Kiên Giang	1.500	1.000	850	800	750	750	750	320.000	270.000	
Bạc Liêu	1.500	1.000	850	800	750	750	750	320.000	270.000	
Sóc Trăng	1.500	1.000	850	800	750	750	750	320.000	270.000	
Đà Lạt	1.500	1.000	850	800	750	750	750	320.000	270.000	

Bảng giá cước vận chuyển hàng hóa đường bộ từ Hà Nội đi các tỉnh					
HÀ NỘI	500 – 1.000 (Kg)	1.000 – 2.500 (Kg)	2.500 trở lên (Kg)	5.000 – 10.000 (Kg)	10.000 (Kg) trở lên
Hà Nội	1100	800	600	500	350

Figure 4.2-8 Reference Fee (part 2)

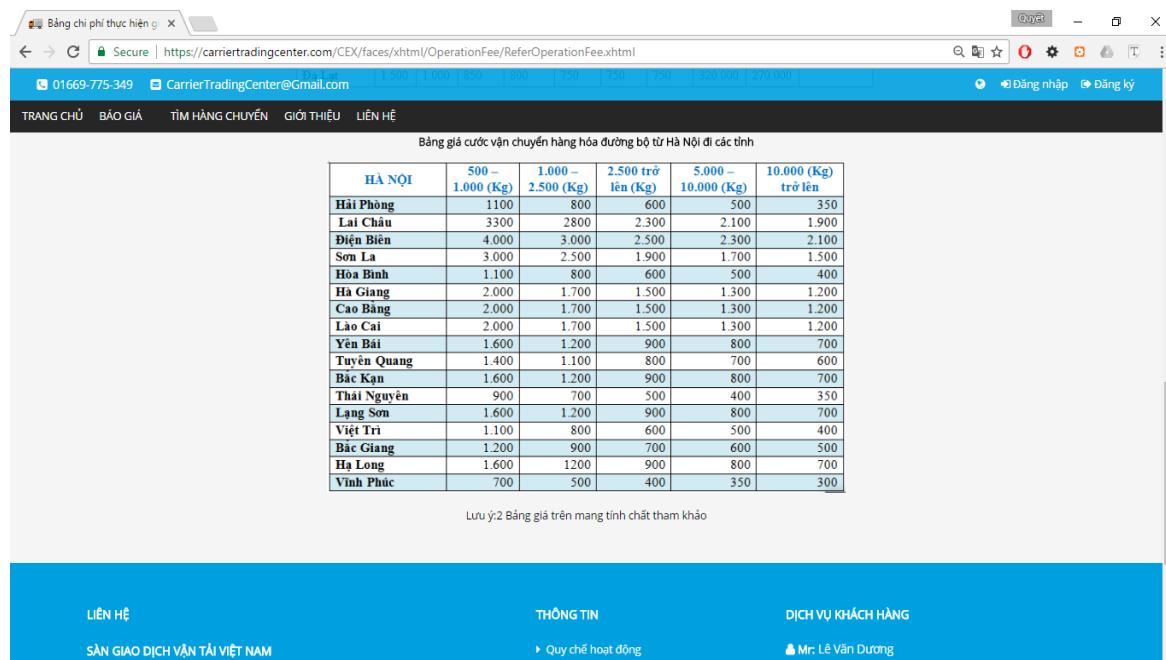


Figure 4.2-9 Reference Fee (part 3)

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Bảng giá tham chiếu chi phí vận chuyển	goodsTypeList	dataTable			
2	Bảng giá cước vận chuyển hàng hóa đường bộ từ TP.HCM đi các tỉnh		graphicImage			
3	Bảng giá cước vận chuyển hàng hóa đường bộ từ Hà Nội đi các tỉnh		graphicImage			

#### 4.2.2.2.3 Sequence Diagram

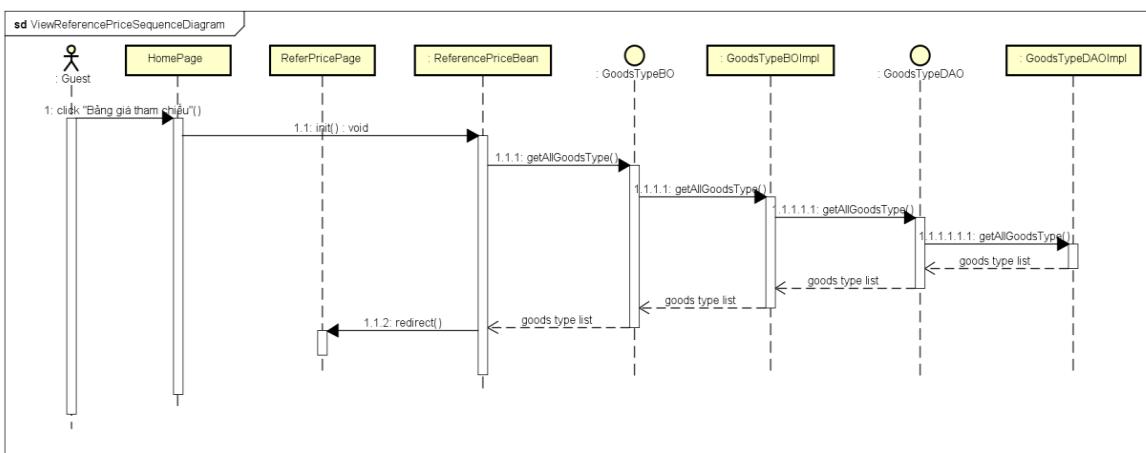


Figure 4.2-10 View Reference Fee Sequence Diagram

#### 4.2.2.3 Guest view fee

##### 4.2.2.3.1 Class Diagram

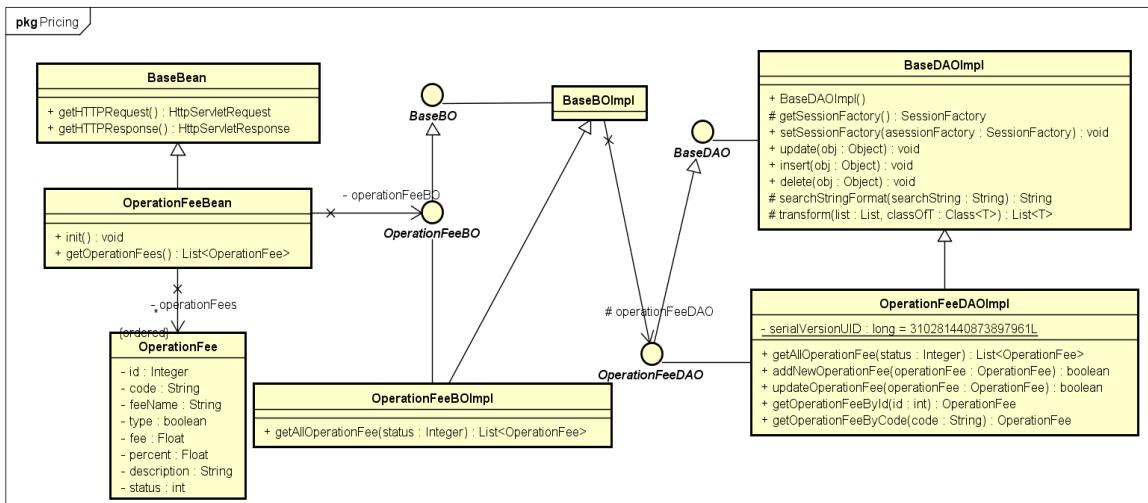


Figure 4.2-11 Operation Fee Class Diagram

##### 4.2.2.3.2 Screen Design

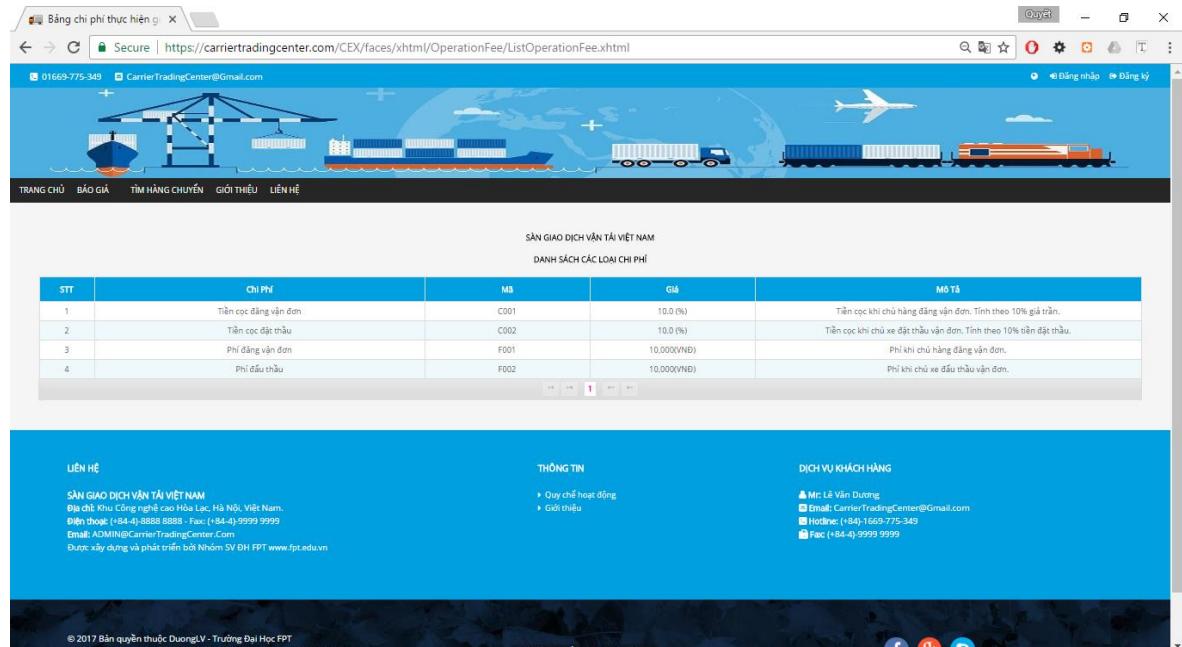
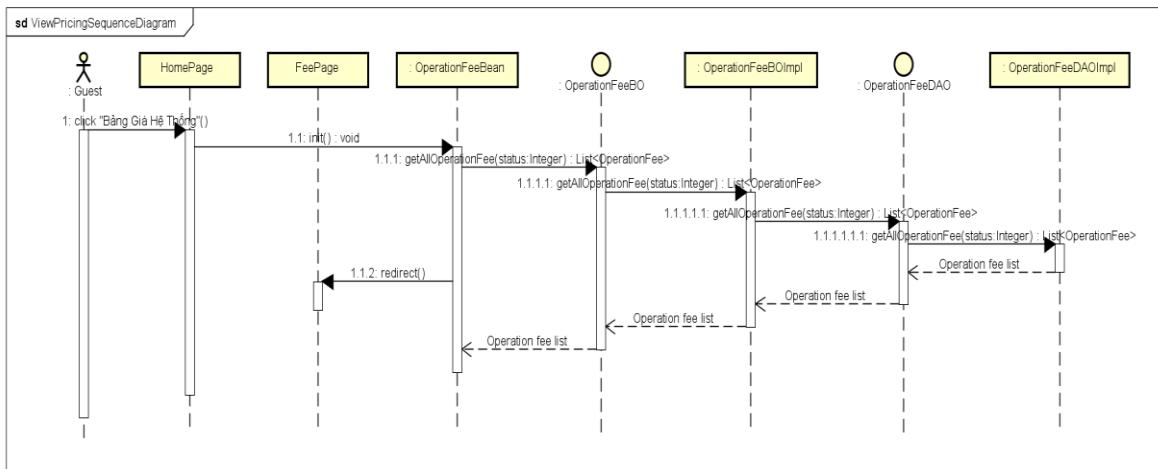


Figure 4.2-12 View Fee

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Danh sách các khoản phí	feeDataTable	dataTable			

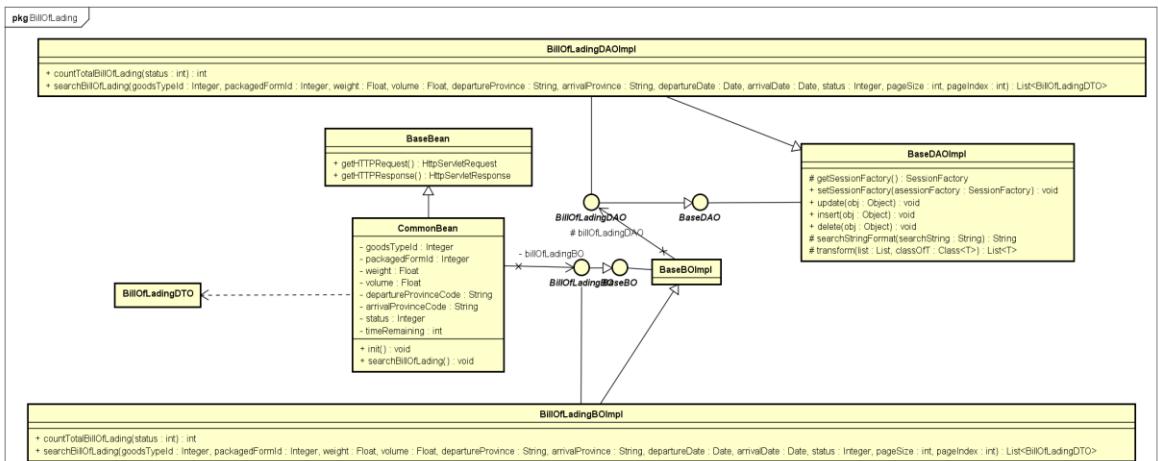
#### 4.2.2.3.3 Sequence Diagram



**Figure 4.2-13 Operation Fee Sequence Diagram**

#### 4.2.2.4 Guest search bill of lading

##### 4.2.2.4.1 Class Diagram



**Figure 4.2-14 Search Bills of Lading Class Diagram**

## 4.2.2.4.2 Screen Design

Search results for Bill of Lading:

STT	Hình ảnh	Loại hàng	Hình thức đóng gói	Lộ trình	Khối lượng	Thể tích	Thời gian còn lại	Giá tham chiếu	XEM
1		Đồ uống	Thùng cát tông	Sơn Đồng, Bắc Giang - Tiên Hải, Thái Bình 04.05.2017 22:30:33 - 19.05.2017 22:30:33	12000.0 (kg)	100.0 (m³)	20 ngày	50,000,000 (VNĐ)	
2		Động vật	Thùng gỗ	Kim Bảng, Hà Nam - Đăk Đoa, Gia Lai 05.05.2017 22:30:33 - 19.05.2017 22:30:33	21000.0 (kg)	200.0 (m³)	22 ngày	20,000,000 (VNĐ)	
3		Hàng điện tử	Cuộn	Kim Bảng, Hà Nam - Đăk Đoa, Hà Nội 05.05.2017 22:30:33 - 20.05.2017 22:30:33	3200.0 (kg)	100.0 (m³)	20 ngày	20,000,000 (VNĐ)	

Figure 4.2-15 Search Bill of Lading

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Loại Hàng	goodTypeId	selectOneMenu	No		
2	Hình thức đóng gói	packageFormId	selectOneMenu	No		
3	Khối lượng	weight	inputText	No		
4	Thể tích	volume	inputText	No		
5	Địa điểm đi	slbDepartureProvinceID	selectOneMenu	No		
6	Địa điểm đến	slbArrivalProvinceID	selectOneMenu	No		
7	Thời gian đi	departureDate	calendar	No		
8	Thời gian đến	arrivalDate	calendar	No		
9	Tìm kiếm	search	commandButton			
10	Danh sách đơn hàng	table_billoflading	dataTable			

#### 4.2.2.4.3 Sequence Diagram

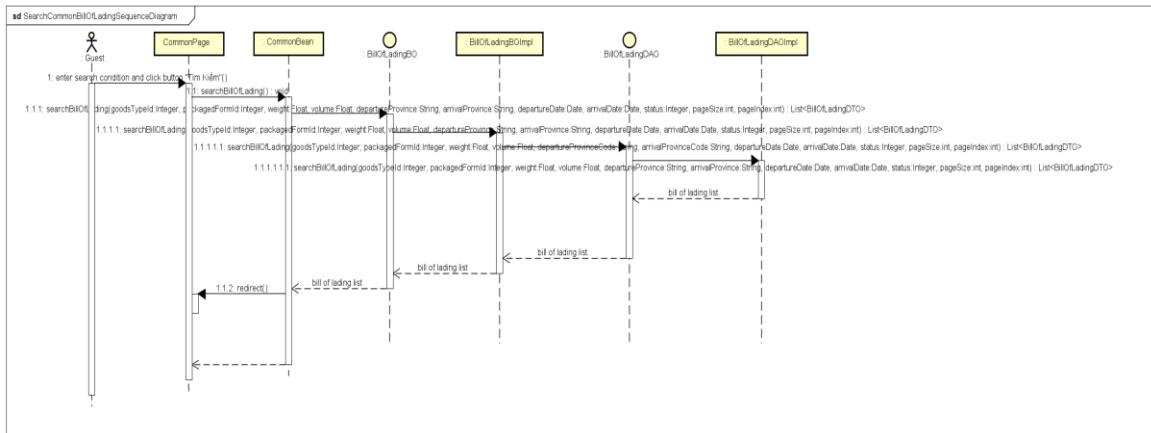


Figure 4.2-16 Search Bill of Lading Sequence Diagram

#### 4.2.2.5 Guest view list bill of lading

##### 4.2.2.5.1 Class Diagram

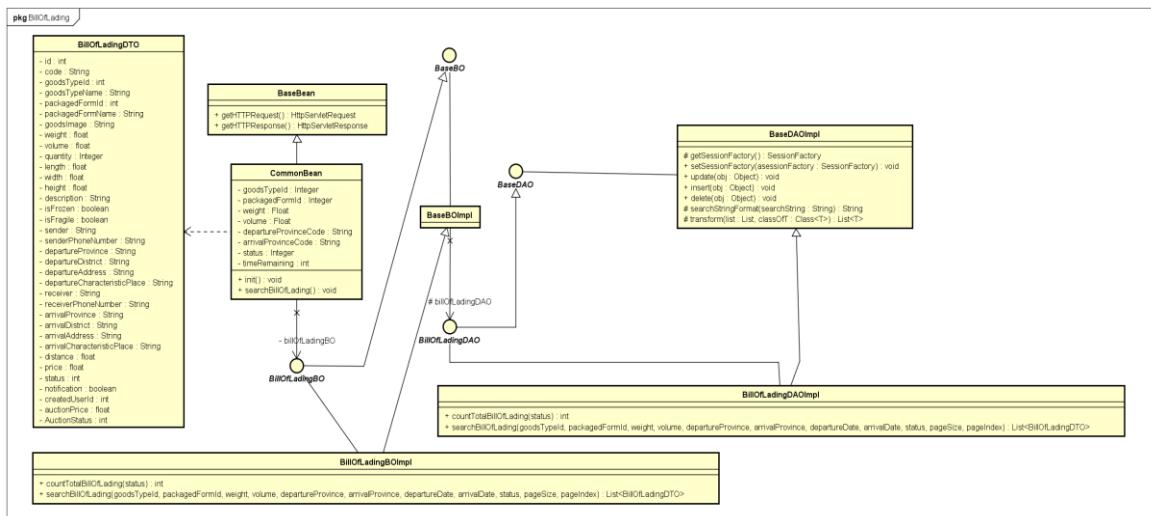


Figure 4.2-17 View List Bill of Lading

## 4.2.2.5.2 Screen Design

The screenshot shows the 'SÀN GIAO DỊCH VẬN TẢI VIỆT NAM' (Vietnam Freight Trading Platform) website. The top navigation bar includes links for 'TRANG CHỦ', 'BÁO GIÁ', 'TÌM HÀNG CHUYỂN', 'GIỚI THIỆU', and 'LIÊN HỆ'. The main content area features a search form with dropdowns for 'Loại hàng', 'Hình thức đóng gói', 'Địa điểm đi', 'Địa điểm đến', and input fields for 'Khối lượng < (kg)', 'Thể tích < (m³)', 'Thời gian chuyển', and 'Thời gian nhận'. Below the search form is a table titled 'DANH SÁCH ĐƠN HÀNG' (List of Bills of Lading) with the following data:

STT	Hình ảnh	Loại hàng	Hình thức đóng gói	Lộ trình	Khối lượng	Thể tích	Thời gian còn lại	Giá tham chiếu	XEM
1		Đồ uống	Thùng cát tông	Sơn Đôn, Bắc Giang - Tiên Hải, Thái Bình 04.05.2017 22:30:33 - 19.05.2017 22:30:33	12000.0 (kg)	100.0 (m³)	20 ngày	50,000,000 (VNĐ)	
2		Động vật	Thùng gỗ	Kim Bảng, Hà Nam - Đăk Đoa, Gia Lai 05.05.2017 22:30:33 - 19.05.2017 22:30:33	21000.0 (kg)	200.0 (m³)	22 ngày	20,000,000 (VNĐ)	
3		Hàng điện tử	Cuộn	Kim Bảng, Hà Nam - Đăk Đoa, Hà Nội 05.05.2017 22:30:33 - 20.05.2017 22:30:33	3200.0 (kg)	100.0 (m³)	20 ngày	20,000,000 (VNĐ)	

Figure 4.2-18 Bills of Lading

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1.	Loại Hàng	goodTypeId	selectOneMenu	No		
2	Hình thức đóng gói	packageFormId	selectOneMenu	No		
3	Khối lượng	weight	inputText	No		
	Thể tích	volume	inputText	No		
	Địa điểm đi	slbDepartureProvinceID	selectOneMenu	No		
	Địa điểm đến	slbArrivalProvinceID	selectOneMenu	No		
	Thời gian đi	departureDate	calendar	No		
	Thời gian đến	arrivalDate	calendar	No		
	Tìm kiếm	search	commandButton			
	Danh sách đơn hàng	table_billoflading	dataTable			

#### 4.2.2.5.3 Sequence Diagram

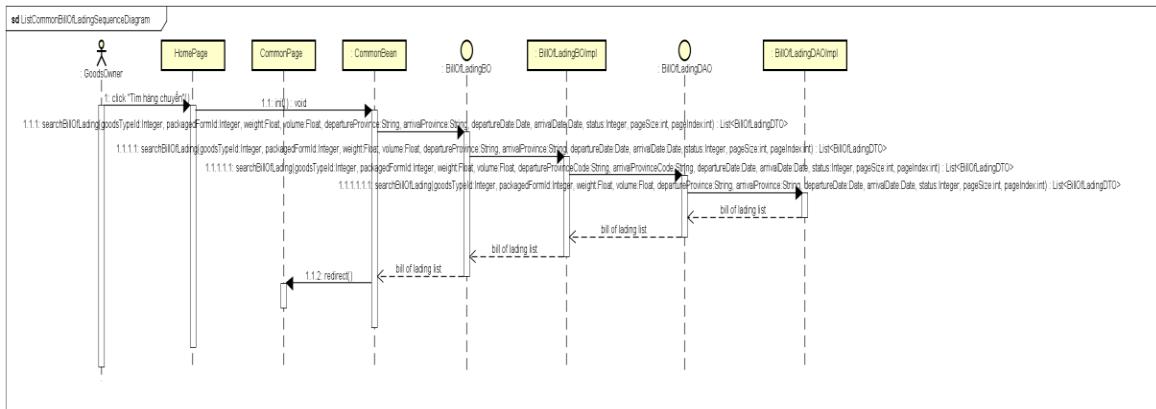


Figure 4.2-19 View Bill of Lading Sequence Diagram

#### 4.2.2.6 Admin view user list

##### 4.2.2.6.1 Class Diagram

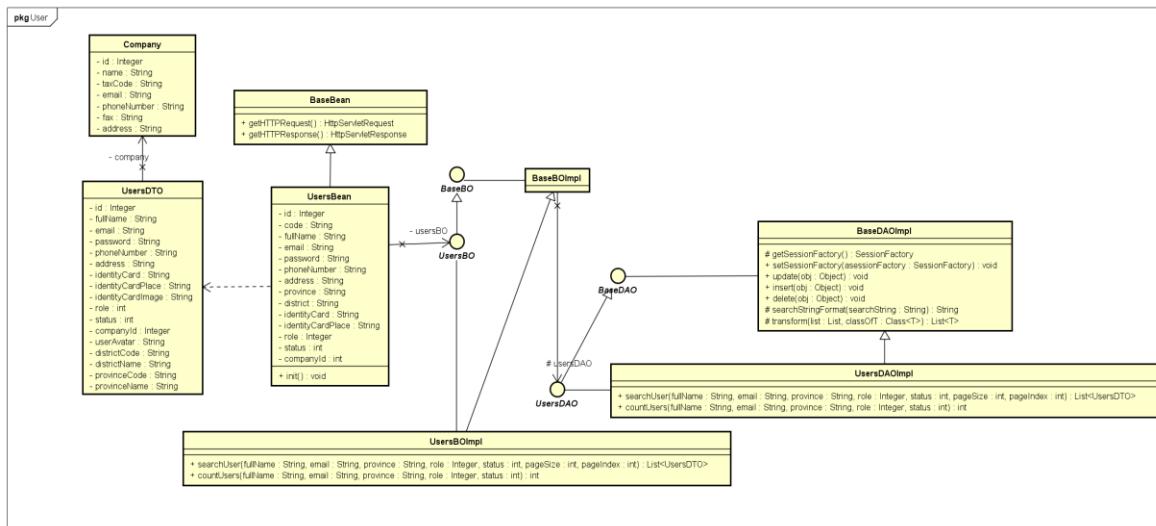


Figure 4.2-20 Users List Class Diagram

#### 4.2.2.6.2 Screen Design

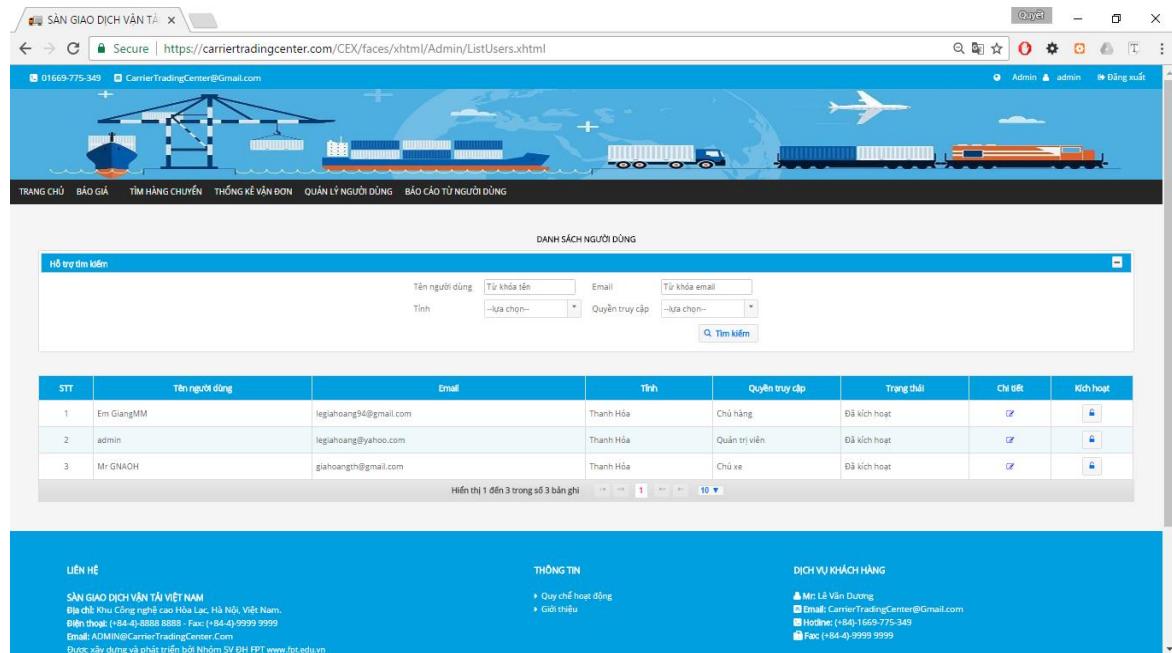


Figure 4.2-21 Admin View List User

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Tên người dùng	fullName	inputText	No		
2	Email	email	inputText	No		
3	Tỉnh	province	selectOneMenu	No		
4	Quyền truy cập	role	selectOneMenu	No		
5	Tìm kiếm	btn_search	btn_search			
6	Danh sách người dùng	table_users	table_users			

#### 4.2.2.6.3 Sequence Diagram

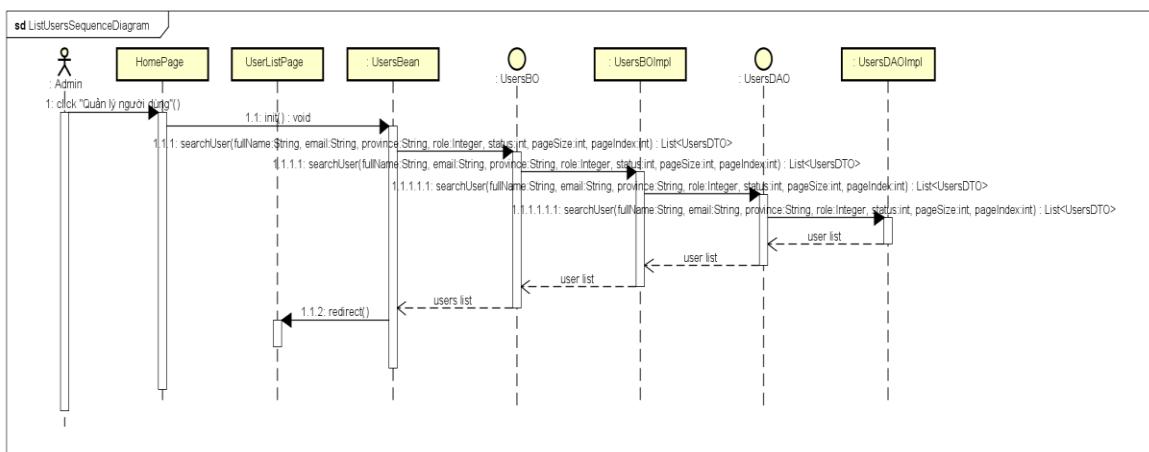


Figure 4.2-22 Users List Class Diagram

#### 4.2.2.7 Admin Summary all Bill of Lading

##### 4.2.2.7.1 Class Diagram

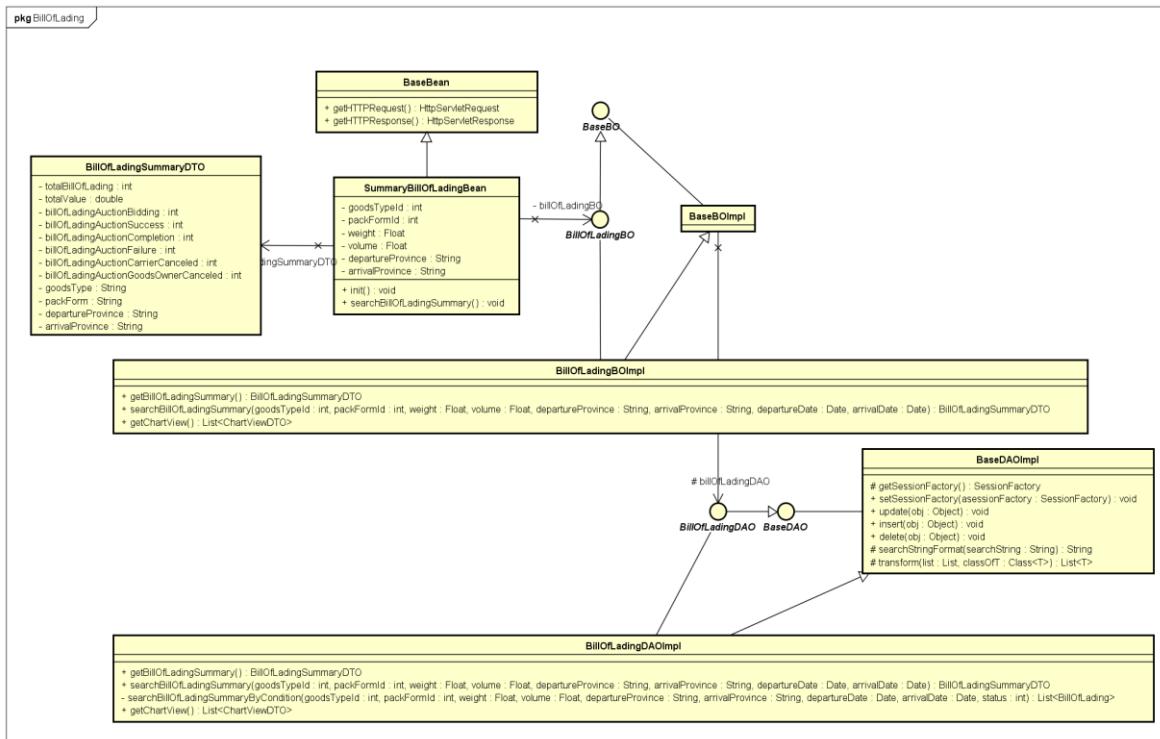


Figure 4.2-23 Summary all Bills Of Lading

##### 4.2.2.7.2 Screen Design

The screenshot shows the 'SÀN GIAO DỊCH VẬN TẢI VIỆT NAM' (Vietnam Freight Trading Exchange) web application. The main header features the logo and the text 'SÀN GIAO DỊCH VẬN TẢI VIỆT NAM'. The navigation bar includes links for 'TRANG CHỦ', 'BÁO GIÁ', 'TÌM HÀNG CHUYỂN', 'THỐNG KÊ VẬN ĐƠN', 'QUẢN LÝ NGƯỜI DÙNG', and 'BÁO CÁO TỪ NGƯỜI DÙNG'. The user is logged in as 'Admin'.

The search form allows users to filter by 'Loại hàng' (Type of goods), 'Địa điểm đi' (Starting location), 'Hình thức đóng gói' (Packaging method), 'Địa điểm đến' (Destination location), 'Khối lượng' (Weight), 'Thời gian từ' (From date), 'Thể tích' (Volume), and 'Đến' (To date). A 'Tim kiếm' (Search) button is also present.

Below the search form, a table titled 'THỐNG KÊ CÁC GIAO DỊCH CỦA SÀN VẬN TẢI' (Statistics of Transactions on the Freight Exchange) displays various metrics for the period from 01.01.2017 to 02.05.2017. The table includes columns for 'Thời gian' (Time), 'Vùng' (Region), 'Loại hàng hóa' (Type of goods), 'Hình thức đóng gói' (Packaging method), 'Tổng số vận đơn' (Total number of bills of lading), 'Tổng giá trị giao dịch' (Total transaction value), 'Số vận đơn đầu đang đầu giá' (Number of bills of lading currently being quoted), and 'Số vận đơn đầu giá thành công' (Number of bills of lading successfully quoted).

On the right side of the screen, a chart titled 'Biểu đồ Vận đơn' (Bill of Lading chart) shows the volume of bills of lading over time. The chart has two data series: 'Thành công' (Successful) represented by a blue line and 'Thất bại' (Failed) represented by an orange line. The y-axis represents the volume, ranging from 1.00 to 36.00.

Figure 4.2-24 Summary Bills of Lading (part 1)

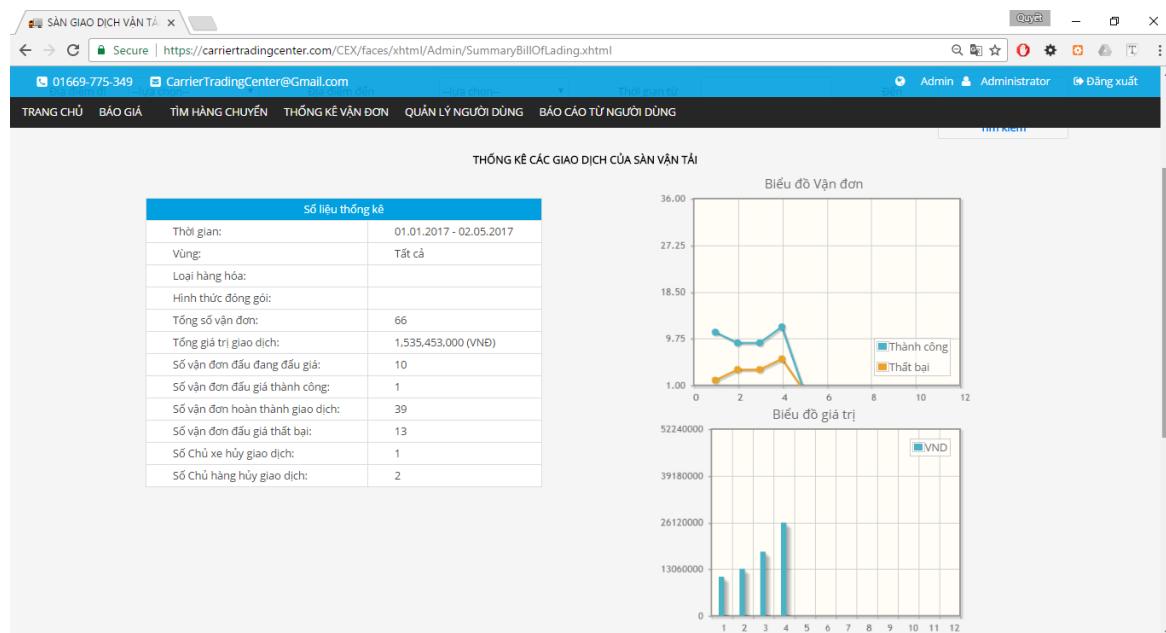


Figure 4.2-25 Summary Bills of Lading (part 1)

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Loại Hàng	goodTypeId	selectOneMenu	No		
2	Hình thức đóng gói	packageFormId	selectOneMenu	No		
3	Khối lượng	weight	inputText	No		
4	Thể tích	volume	inputText	No		
5	Địa điểm đi	slbDepartureProvinceID	selectOneMenu	No		
6	Địa điểm đến	slbArrivalProvinceID	selectOneMenu	No		
7	Thời gian từ	departureDate	calendar	No		
8	Đến	arrivalDate	calendar	No		
9	Tìm kiếm	search	commandButton			
10	Thống kê giao dịch	billloflading_summary	dataTable			
11	Biểu đồ thống kê giao dịch	billlof LadingChart	chart			
12	Biểu đồ fee trị giao dịch	valueChart	chart			

#### 4.2.2.7.3 Sequence Diagram

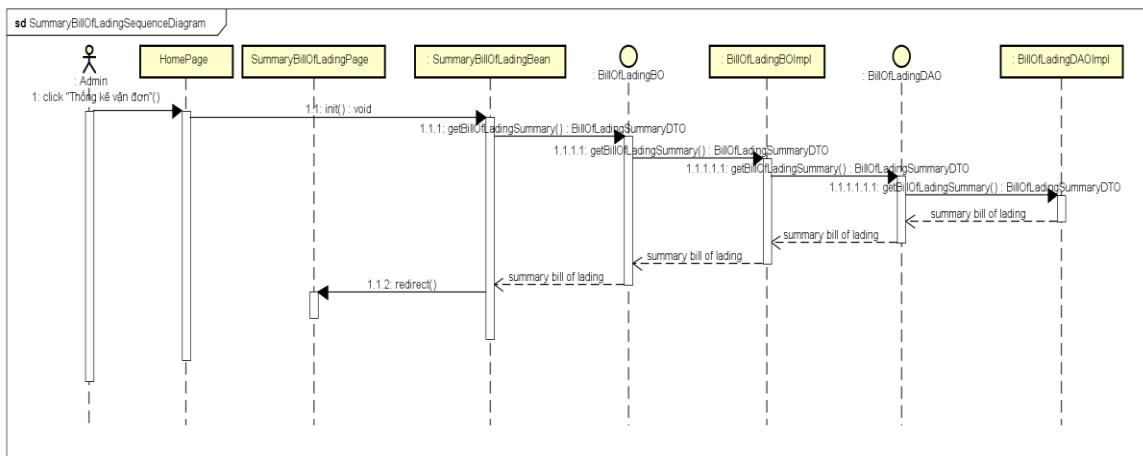


Figure 4.2-26 Summary Bills of Lading Sequence Diagram

#### 4.2.2.8 Admin view list bill of lading

##### 4.2.2.8.1 Class Diagram

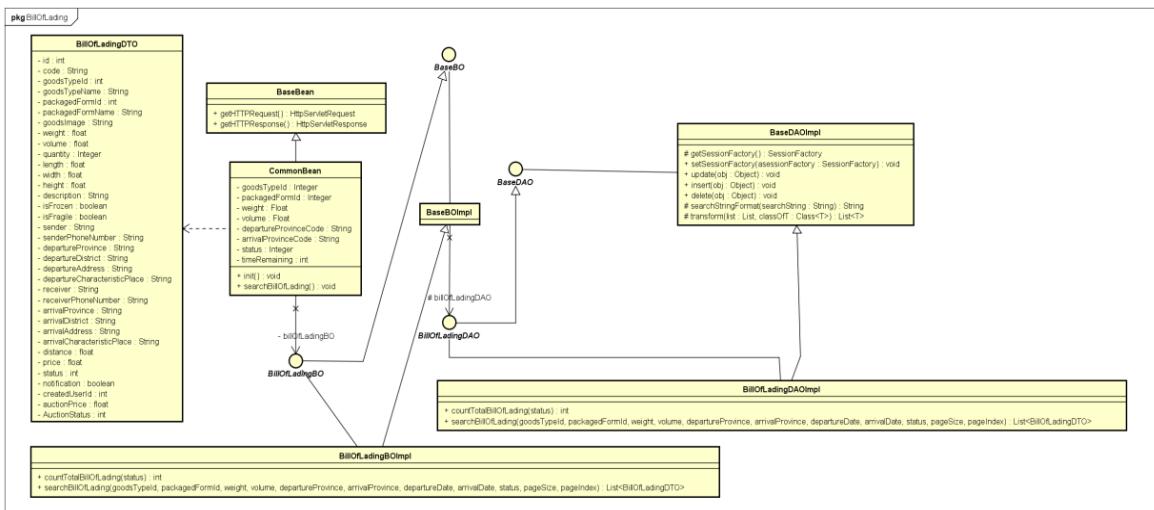


Figure 4.2-27 View List Bill of Lading Class Diagram

## 4.2.2.8.2 Screen Design

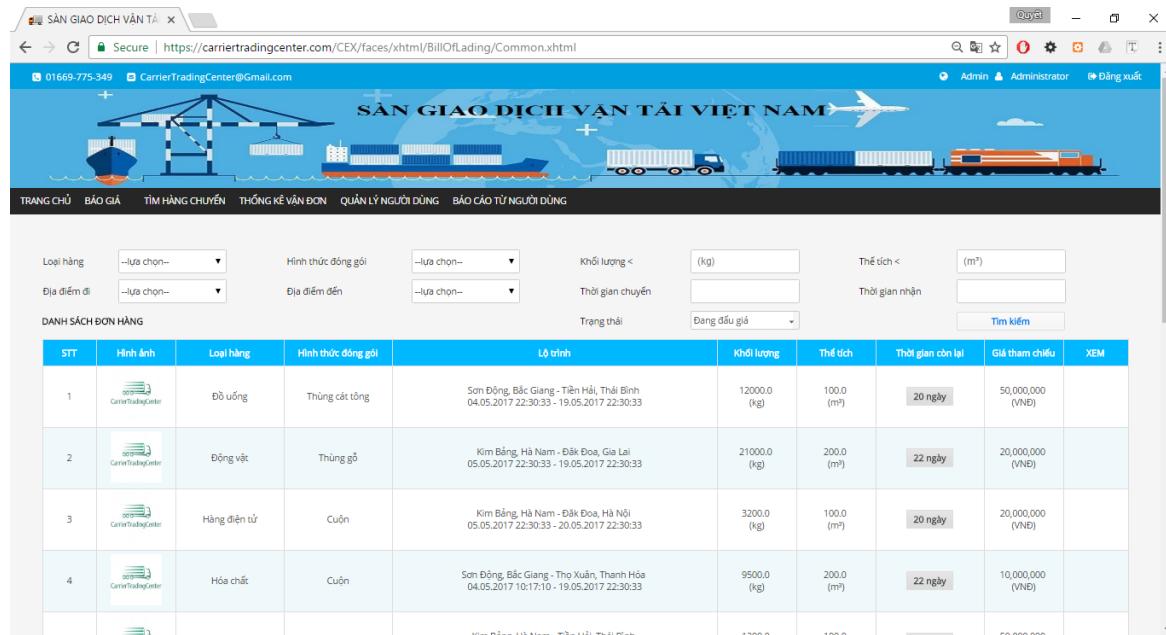


Figure 4.2-28 Admin View List Bills of Lading

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Loại Hàng	goodTypeId	selectOneMenu	No		
2	Hình thức đóng gói	packageFormId	selectOneMenu	No		
3	Khối lượng	weight	inputText	No		
4	Thể tích	volume	inputText	No		
5	Địa điểm đi	slbDepartureProvinceID	selectOneMenu	No		
6	Địa điểm đến	slbArrivalProvinceID	selectOneMenu	No		
7	Thời gian đi	departureDate	calendar	No		
8	Thời gian đến	arrivalDate	calendar	No		
9	Trạng thái	status	selectOneMenu	No		
10	Tìm kiếm	search	commandButton			
11	Danh sách đơn hàng	table_billoflading	dataTable			

#### 4.2.2.8.3 Sequence Diagram

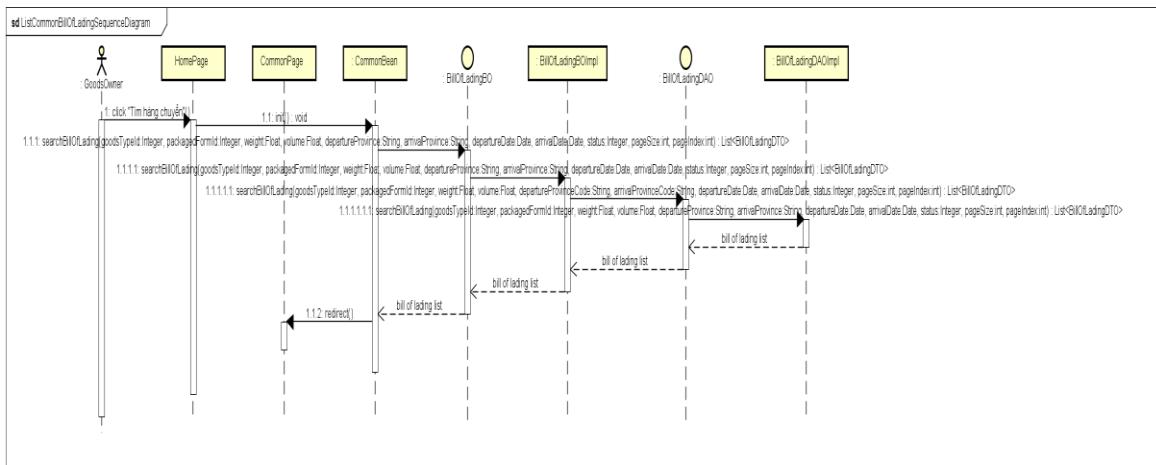


Figure 4.2-29 View List Bill of Lading Sequence Diagram

#### 4.2.2.9 Admin Search Bill of Lading

##### 4.2.2.9.1 Class Diagram

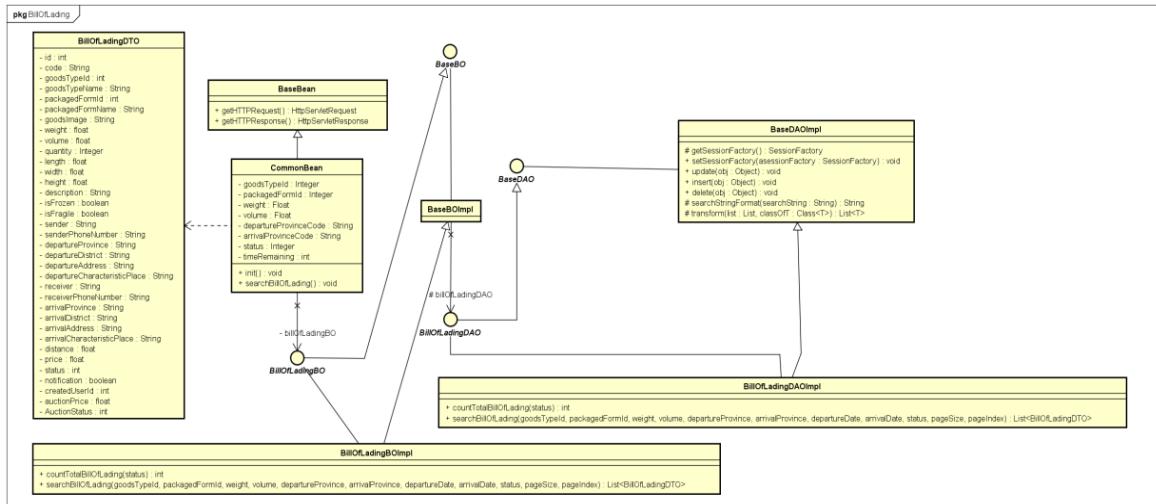


Figure 4.2-30 Search Bills of Lading Class Diagram

## 4.2.2.9.2 Screen Design

The screenshot shows the 'SÀN GIAO DỊCH VẬN TẢI VIỆT NAM' (Vietnam Freight Trading Platform) website. The search form includes fields for commodity type (Loại hàng), packaging type (Hình thức đóng gói), weight (Khối lượng), volume (Thể tích), departure location (Địa điểm đi), arrival location (Địa điểm đến), and dates (Thời gian chuyển, Thời gian nhận). The results table lists four bills of lading with details such as route, weight, volume, and status.

STT	Hình ảnh	Loại hàng	Hình thức đóng gói	Lộ trình	Khối lượng	Thể tích	Thời gian còn lại	Giá tham chiếu	XEM
1		Đồ uống	Thùng cát tông	Sơn Đông, Bắc Giang - Tiên Hải, Thái Bình 04.05.2017 22:30:33 - 19.05.2017 22:30:33	12000.0 (kg)	100.0 (m³)	20 ngày	50,000,000 (VNĐ)	
2		Động vật	Thùng gỗ	Kim Bảng, Hà Nam - Bãi Đeo, Gia Lai 05.05.2017 22:30:33 - 20.05.2017 22:30:33	21000.0 (kg)	200.0 (m³)	22 ngày	20,000,000 (VNĐ)	
3		Hàng điện tử	Cuộn	Kim Bảng, Hà Nam - Bãi Đeo, Hà Nội 05.05.2017 22:30:33 - 20.05.2017 22:30:33	32000.0 (kg)	100.0 (m³)	20 ngày	20,000,000 (VNĐ)	
4		Hóa chất	Cuộn	Sơn Đông, Bắc Giang - Thủ Xuân, Thanh Hóa 04.05.2017 10:17:10 - 19.05.2017 22:30:33	9500.0 (kg)	200.0 (m³)	22 ngày	10,000,000 (VNĐ)	

Figure 4.2-31 Admin Search Bills of Lading

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Loại Hàng	goodTypeId	selectOneMenu	No		
2	Hình thức đóng gói	packageFormId	selectOneMenu	No		
3	Khối lượng	weight	inputText	No		
4	Thể tích	volume	inputText	No		
5	Địa điểm đi	slbDepartureProvinceID	selectOneMenu	No		
6	Địa điểm đến	slbArrivalProvinceID	selectOneMenu	No		
7	Thời gian đi	departureDate	calendar	No		
8	Thời gian đến	arrivalDate	calendar	No		
9	Trạng thái	status	selectOneMenu	No		
10	Tìm kiếm	search	commandButton			
11	Danh sách đơn hàng	table_billloflading	dataTable			

#### 4.2.2.9.3 Sequence Diagram

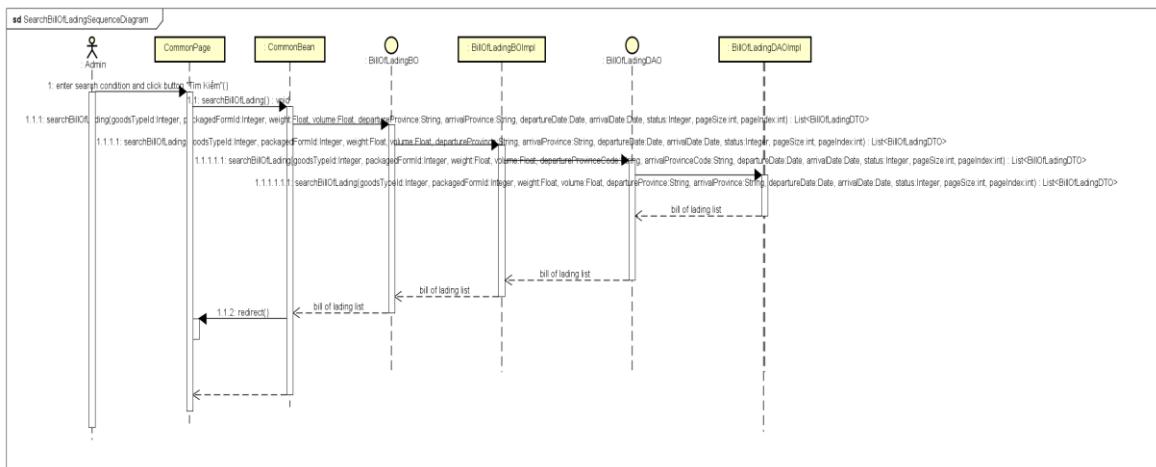


Figure 4.2-32 Search Bills of Lading Sequence Diagram

#### 4.2.2.10 Admin View Bill of Lading Detail

##### 4.2.2.10.1 Class Diagram

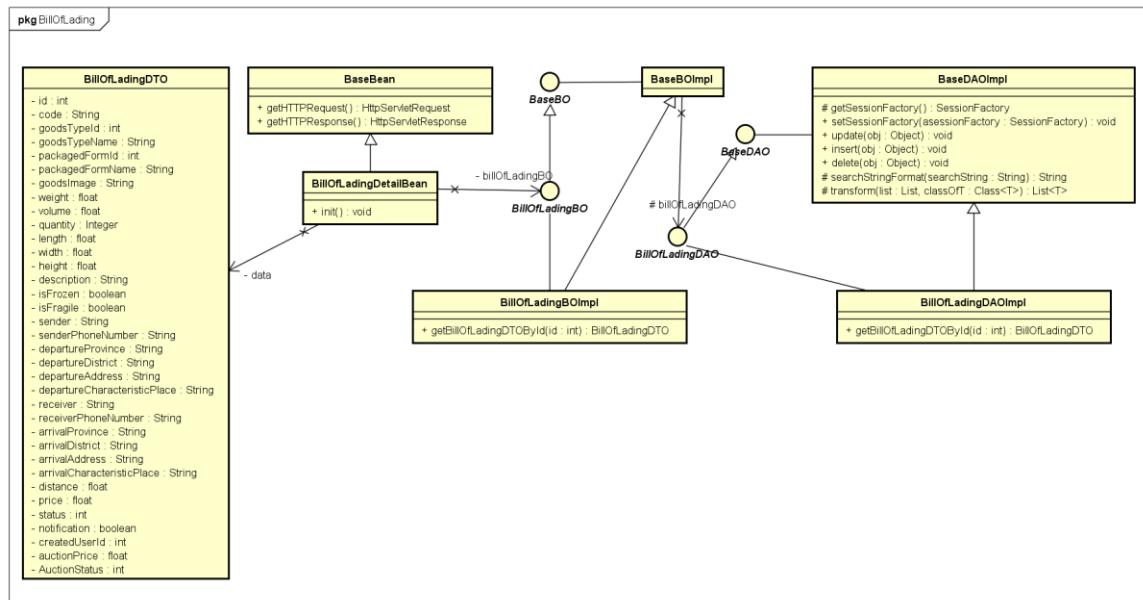


Figure 4.2-33 View Detail Bill of Lading Class Diagram

#### 4.2.2.10.2 Screen Design

Figure 4.2-34 Detail Bill of Lading (part 1)

Figure 4.2-35 Detail Bill of Lading (part 2)

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin hàng hóa cần vận chuyển	good_information	panelGrid			
2	Gmap	gmap	Java script			
3	Danh sách chủ xe đầu thầu	tableCarrierAuctionList	dataTable			
4	Hỏi đáp	question_answer	PanelGroup	No		

#### 4.2.2.10.3 Sequence Diagram

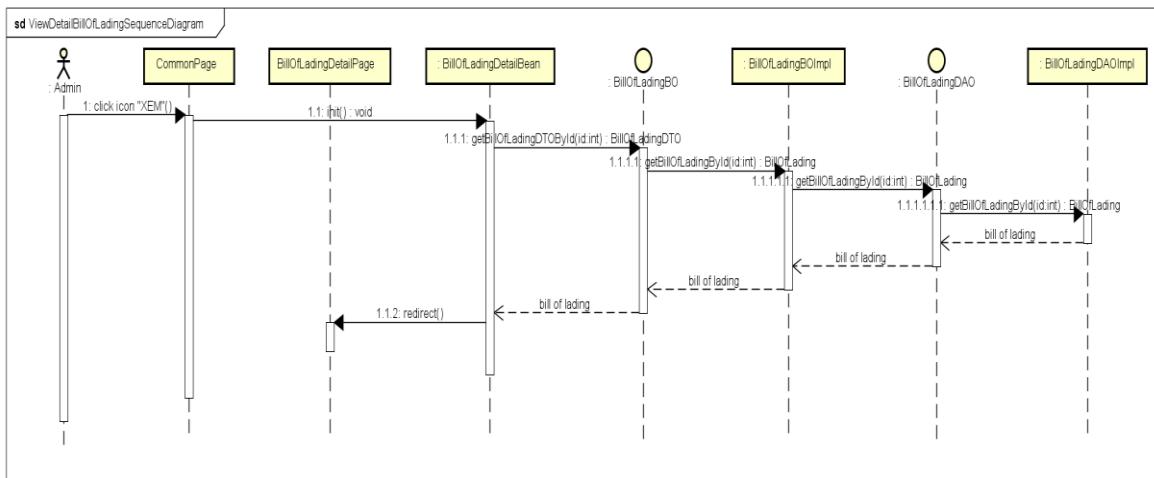


Figure 4.2-36 Bill of Lading Detail Sequence Diagram

#### 4.2.2.11 Admin view list of carrier who are auctioning

##### 4.2.2.11.1 Class Diagram

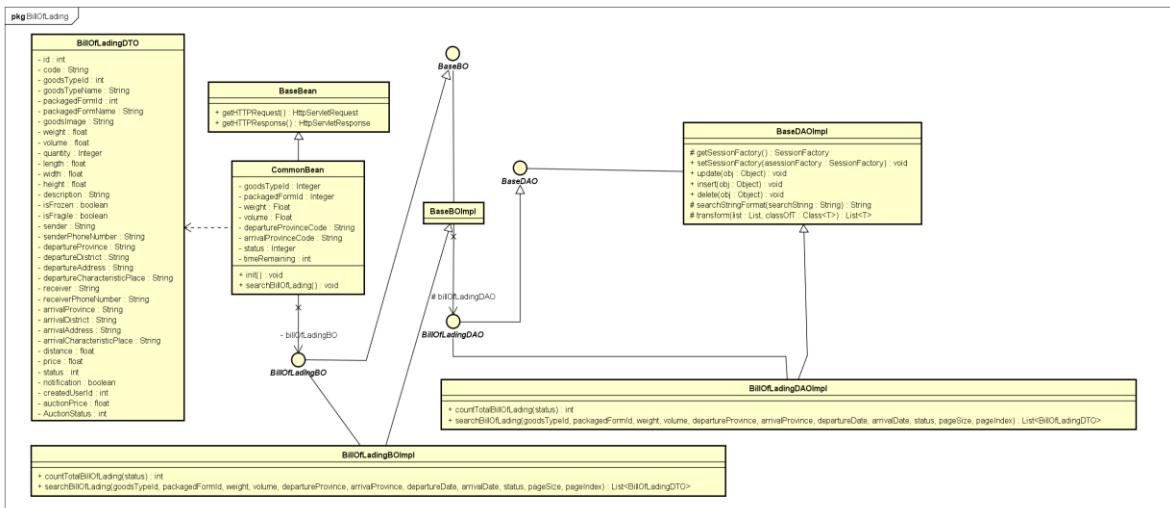


Figure 4.2-37 List Bill of Lading Auctioning Class Diagram

## 4.2.2.11.2 Screen Design

Figure 4.2-38 List Bill of Lading Auctioning

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Loại Hàng	goodTypeId	selectOneMenu	No		
2	Hình thức đóng gói	packageFormId	selectOneMenu	No		
3	Khối lượng	weight	inputText	No		
4	Thể tích	volume	inputText	No		
5	Địa điểm đi	slbDepartureProvinceID	selectOneMenu	No		
6	Địa điểm đến	slbArrivalProvinceID	selectOneMenu	No		
7	Thời gian đi	departureDate	calendar	No		
8	Thời gian đến	arrivalDate	calendar	No		
9	Trạng thái	status	selectOneMenu	No		
10	Tìm kiếm	search	commandButton			
11	Danh sách đơn hàng	table_billoflading	dataTable			

#### 4.2.2.11.3 Sequence Diagram

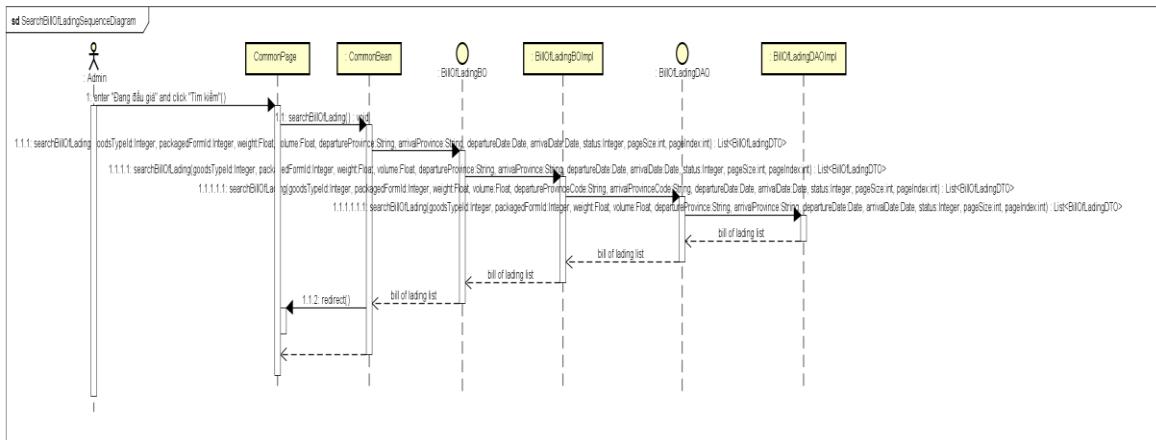


Figure 4.2-39 List Bill of Lading Auctioning Sequence Diagram

#### 4.2.2.12 Admin view carrier auction success

##### 4.2.2.12.1 Class Diagram

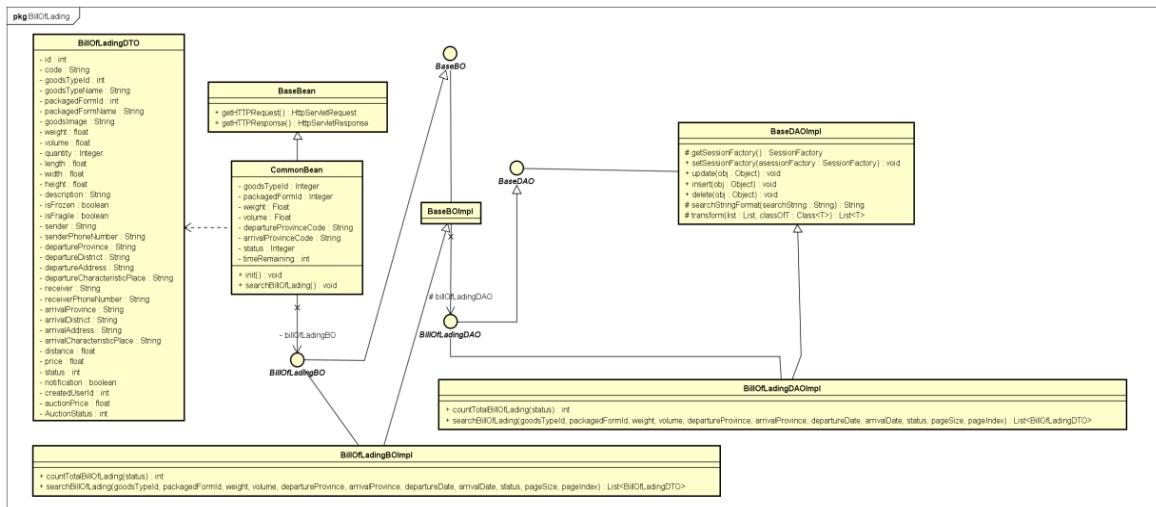


Figure 4.2-40 List Bills of Lading Auction Success Class Diagram

## 4.2.2.12.2 Screen Design

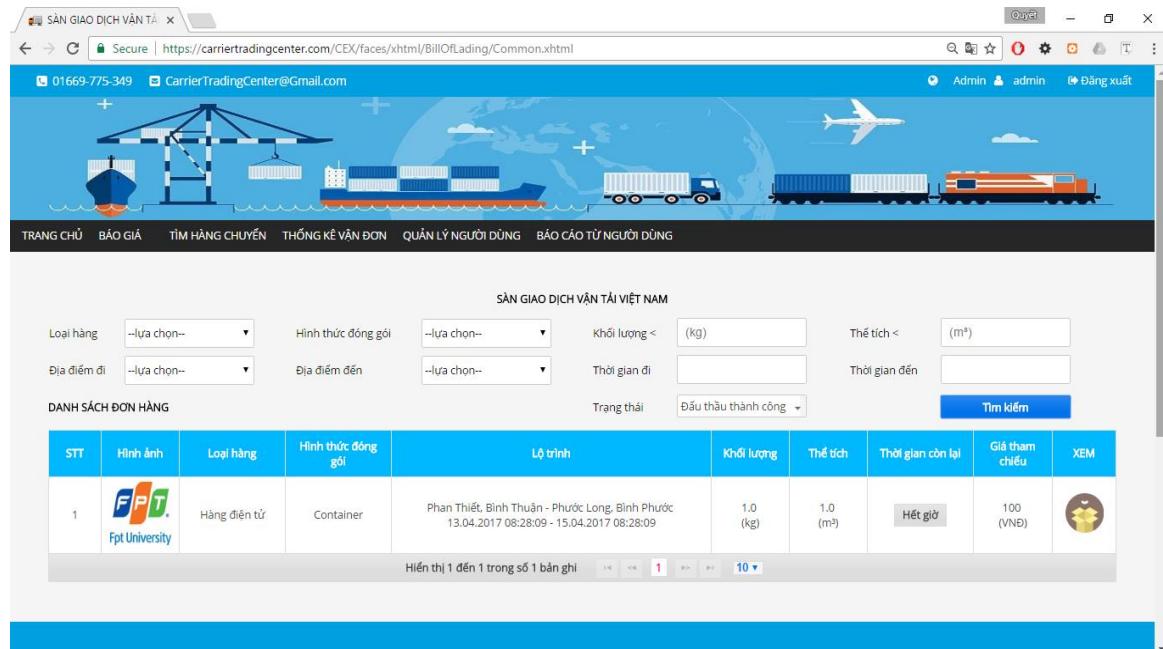


Figure 4.2-41 Admin View Bills of Lading List Auction Success

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Loại Hàng	goodTypeId	selectOneMenu	No		
2	Hình thức đóng gói	packageFormId	selectOneMenu	No		
3	Khối lượng	weight	inputText	No		
4	Thể tích	volume	inputText	No		
5	Địa điểm đi	slbDepartureProvinceID	selectOneMenu	No		
6	Địa điểm đến	slbArrivalProvinceID	selectOneMenu	No		
7	Thời gian đi	departureDate	calendar	No		
8	Thời gian đến	arrivalDate	calendar	No		
9	Trạng thái	status	selectOneMenu	No		
10	Tìm kiếm	search	commandButton			
11	Danh sách đơn hàng	table_billoflading	dataTable			

#### 4.2.2.12.3 Sequence Diagram

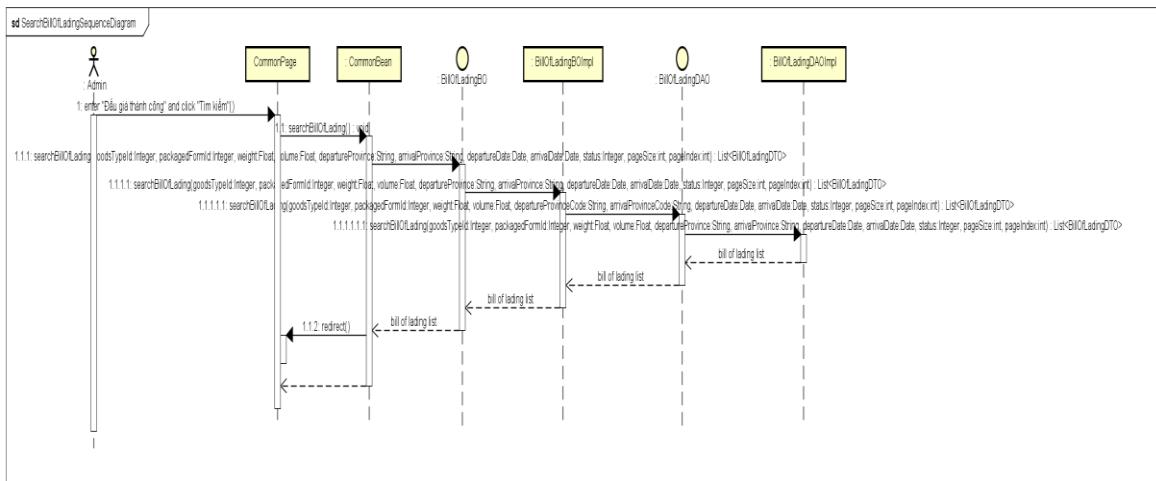


Figure 4.2-42 List Bills of Lading Auction Success Sequence Diagram

#### 4.2.2.13 Admin search user

##### 4.2.2.13.1 Class Diagram

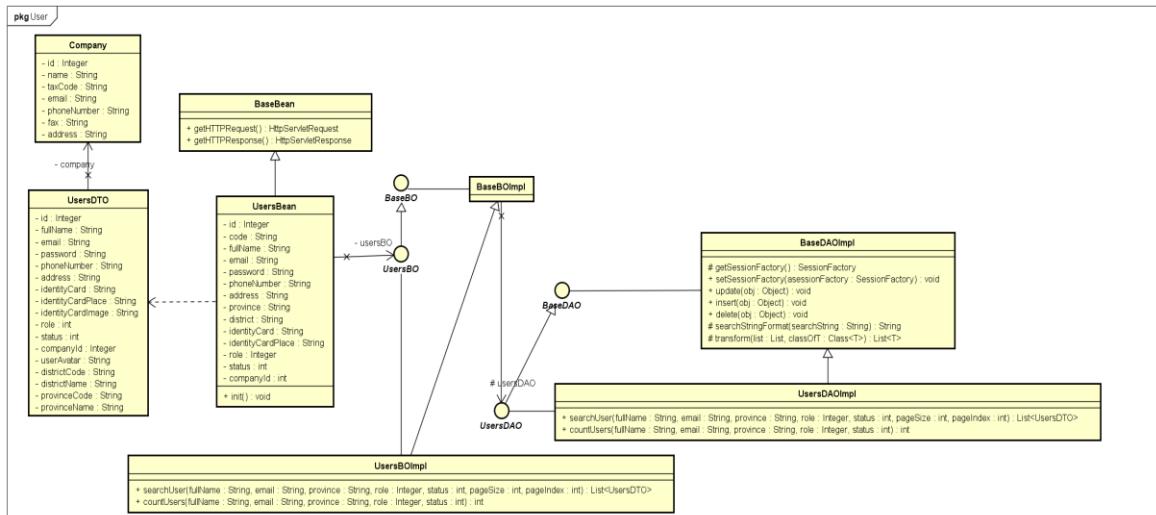


Figure 4.2-43 Search User Class Diagram

#### 4.2.2.13.2 Screen Design

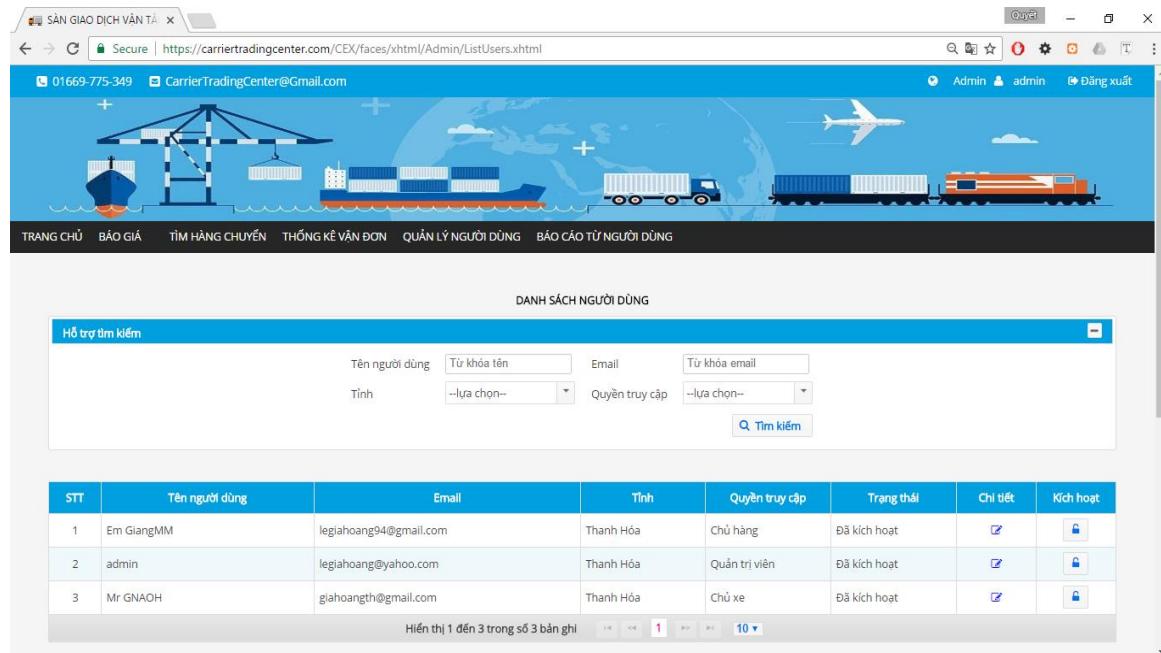


Figure 4.2-44 Search User

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Tên người dung	fullName	inputText	No		
2	Email	email	inputText	No		
3	Tỉnh	province	selectOneMenu	No		
4	Quyền truy cập	role	selectOneMenu	No		
5	Tìm kiếm	btn_search	btn_search			
6	Danh sách người dùng	table_users	table_users			

#### 4.2.2.13.3 Sequence Diagram

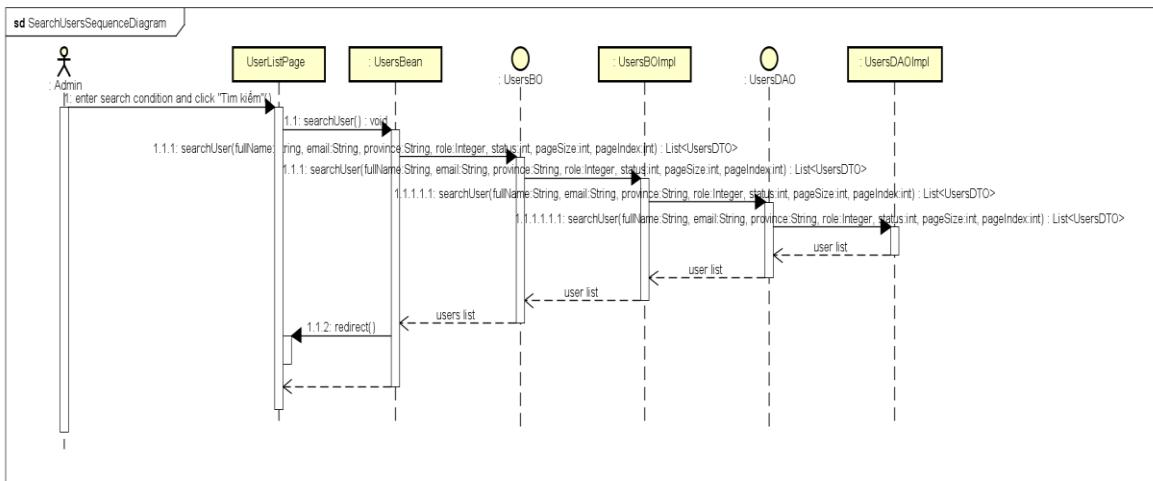


Figure 4.2-45 Search User Sequence Diagram

#### 4.2.2.14 Admin view user profile

##### 4.2.2.14.1 Class Diagram

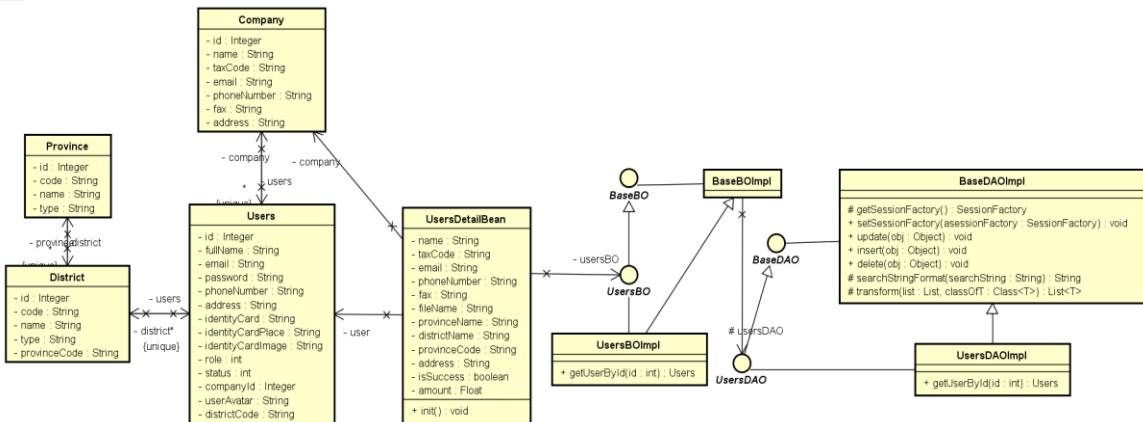


Figure 4.2-46 View User Profile Class Diagram

#### 4.2.2.14.2 Screen Design

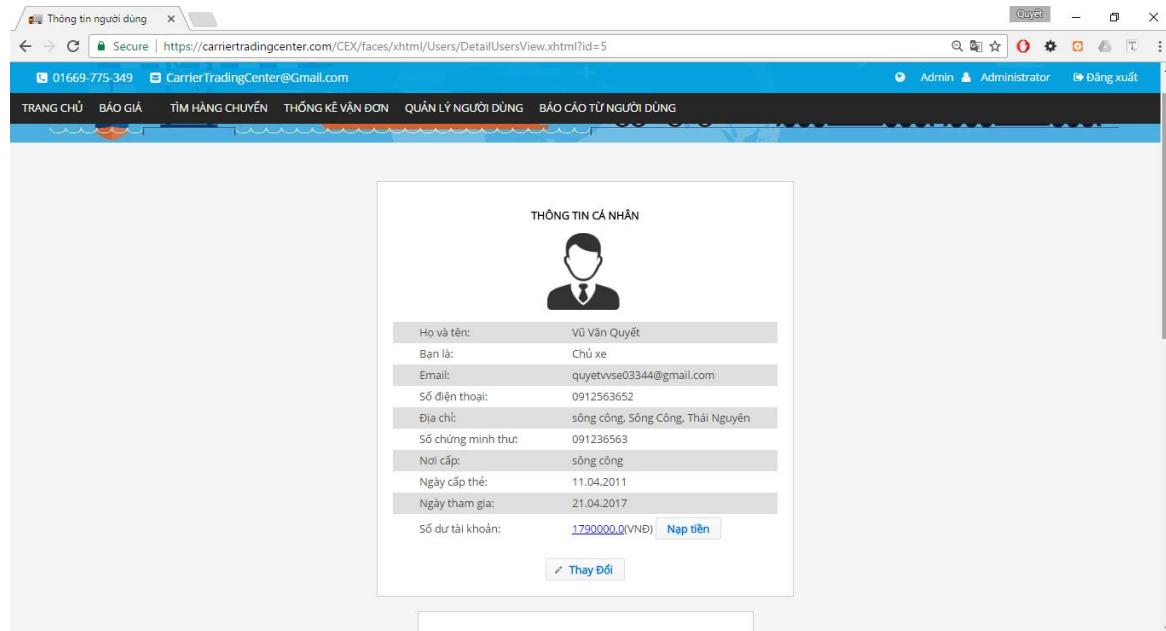
##### 4.2.2.14.2.1 Case does not Exist Company Information

Figure 4.2-47 User Profile (part 1)

Figure 4.2-48 User Profile (part 2)

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin cá nhân	userDetailInformation	panelGrid	Yes		
2	Thông tin công ty	companyInformation	panelGrid	No		
	Thay đổi		commandButton			
	Thêm thông tin công ty.		commandButton			

#### 4.2.2.14.2.2 Case Exist Company Information



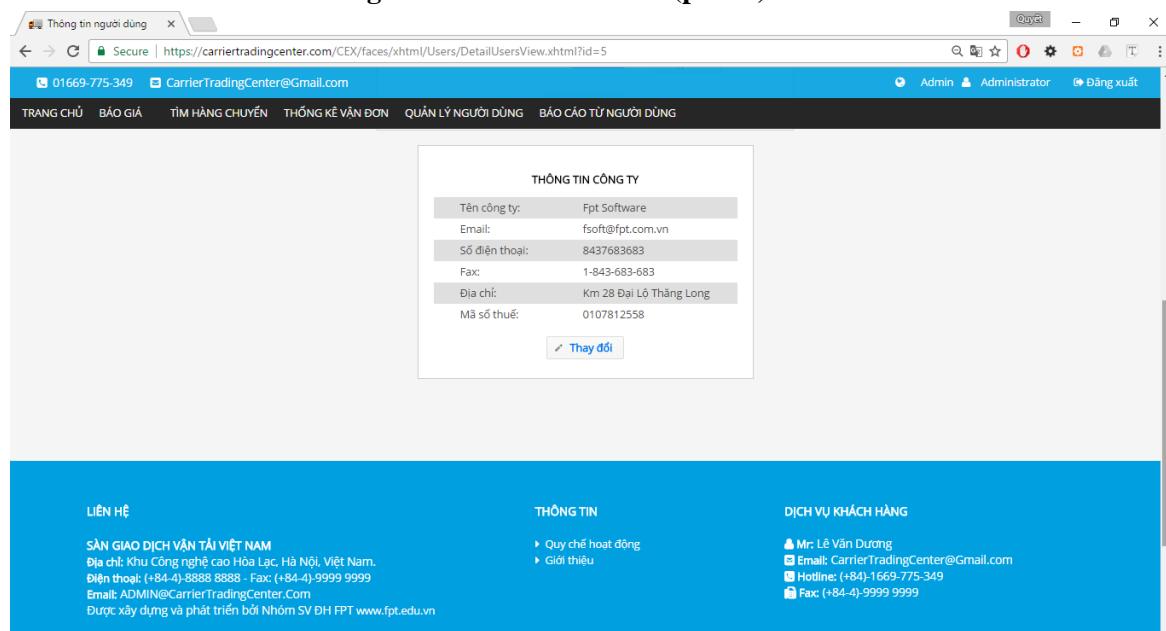
The screenshot shows a user profile page with the following details:

**Thông tin cá nhân**

Họ và tên: Vũ Văn Quyết  
 Bạn là: Chủ xe  
 Email: quyettvse03344@gmail.com  
 Số điện thoại: 0912563652  
 Địa chỉ: sống công, Sông Công, Thái Nguyên  
 Số chứng minh thư: 091236563  
 Nơi cấp: sống công  
 Ngày cấp thẻ: 11.04.2011  
 Ngày tham gia: 21.04.2011  
 Số dư tài khoản: 1790000.0(VND) [Nạp tiền](#)

[Thay đổi](#)

Figure 4.2-49 User Profile (part 1)



The screenshot shows a user profile page with the following details:

**Thông tin công ty**

Tên công ty: Fpt Software  
 Email: fsoft@fpt.com.vn  
 Số điện thoại: 8437683683  
 Fax: 1-843-683-683  
 Địa chỉ: Km 28 Đại Lộ Tháng Long  
 Mã số thuế: 0107812558

[Thay đổi](#)

**LIÊN HỆ**

**SẢN GIAO DỊCH VẬN TẢI VIỆT NAM**  
 Địa chỉ: Khu Công nghệ cao Hòa Lạc, Hà Nội, Việt Nam.  
 Điện thoại: (+84-4)-8888 8888 - Fax: (+84-4)-9999 9999  
 Email: ADMIN@CarrierTradingCenter.Com  
 Được xây dựng và phát triển bởi Nhóm SV DH FPT [www.fpt.edu.vn](http://www.fpt.edu.vn)

**THÔNG TIN**

Quy chế hoạt động  
 Giới thiệu

**DỊCH VỤ KHÁCH HÀNG**

Mr: Lê Văn Dương  
 Email: CarrierTradingCenter@gmail.com  
 Hotline: (+84)-1669-775-349  
 Fax: (+84-4)-9999 9999

Figure 4.2-50 User Profile (part 2)

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin cá nhân	userDetailInformation	panelGrid	Yes		
2	Thông tin công ty	companyInformation	panelGrid	No		
3	Thay đổi		commandButton			
4	Thay đổi		commandButton			

#### 4.2.2.14.3 Sequence Diagram

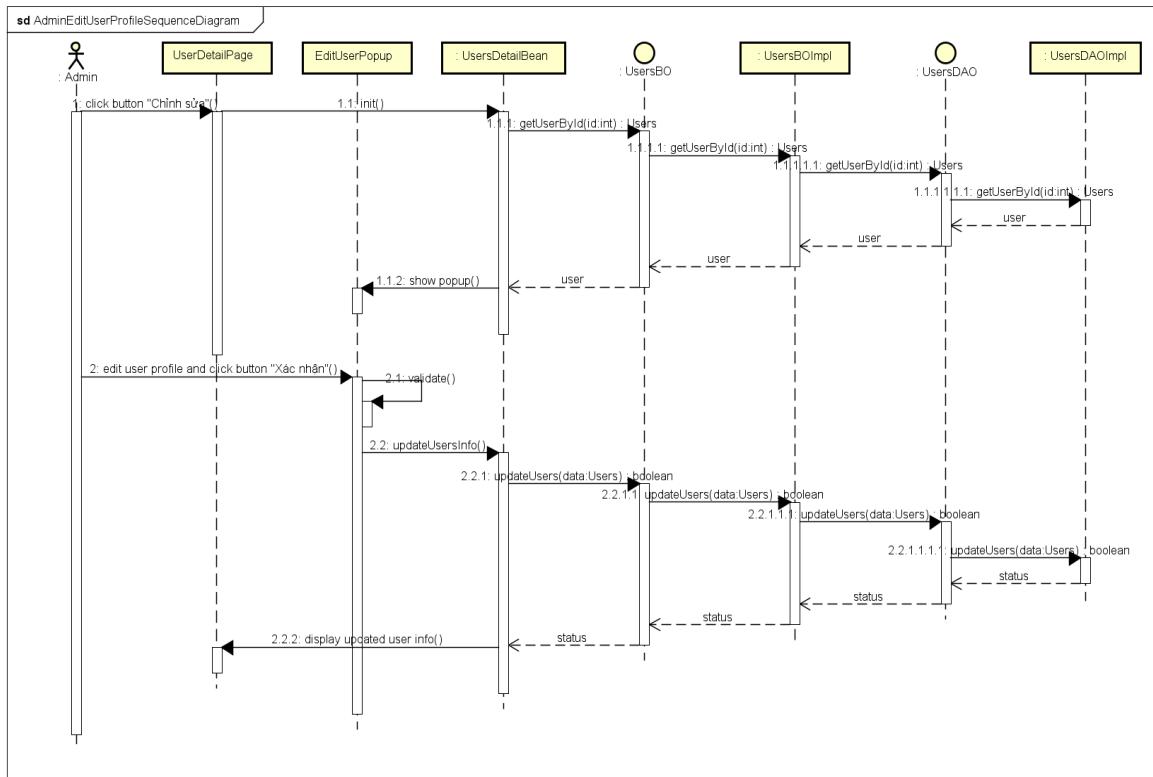


Figure 4.2-51 User Profile Sequence Diagram

#### 4.2.2.15 Admin activate user

##### 4.2.2.15.1 Class Diagram

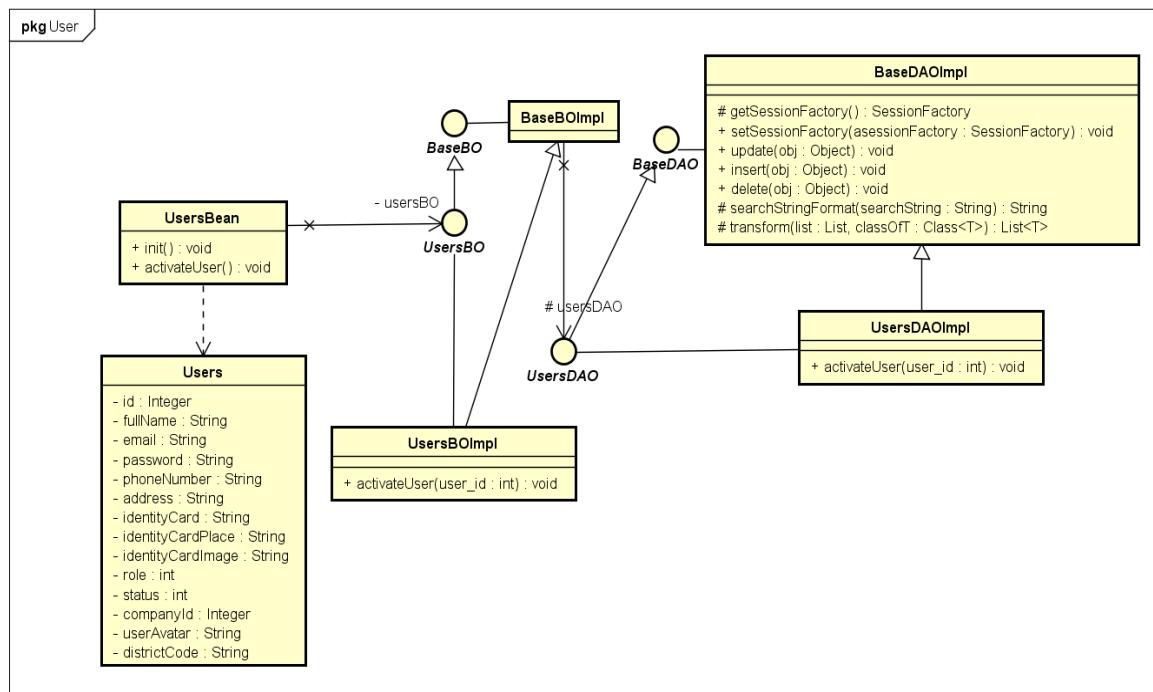


Figure 4.2-52 Active User Class Diagram

#### 4.2.2.15.2 Screen Design

Figure 4.2-53 Activate User

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Tên người dùng	fullName	inputText	No		
2	Email	email	inputText	No		
3	Tỉnh	province	selectOneMenu	No		
4	Quyền truy cập	role	selectOneMenu	No		
5	Tìm kiếm	btn_search	btn_search			
6	Danh sách người dùng	table_users	table_users			
7	Kích hoạt	activate	commandButton			
8	Ngưng kích hoạt	deactivate	commandButton			

#### 4.2.2.15.3 Sequence Diagram

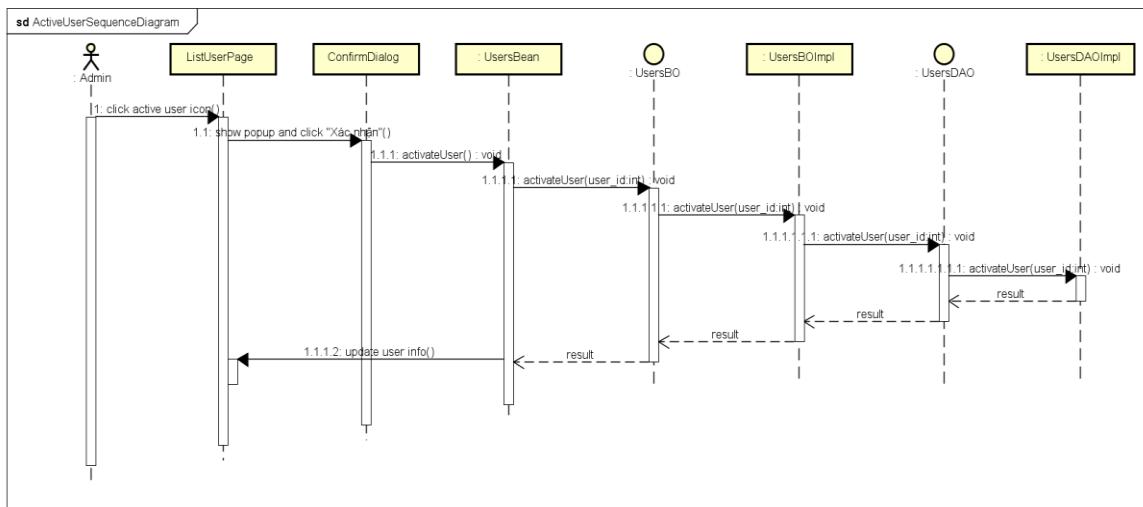


Figure 4.2-54 Activate users Sequence Diagram

#### 4.2.2.16 Admin deactivate user

##### 4.2.2.16.1 Class Diagram

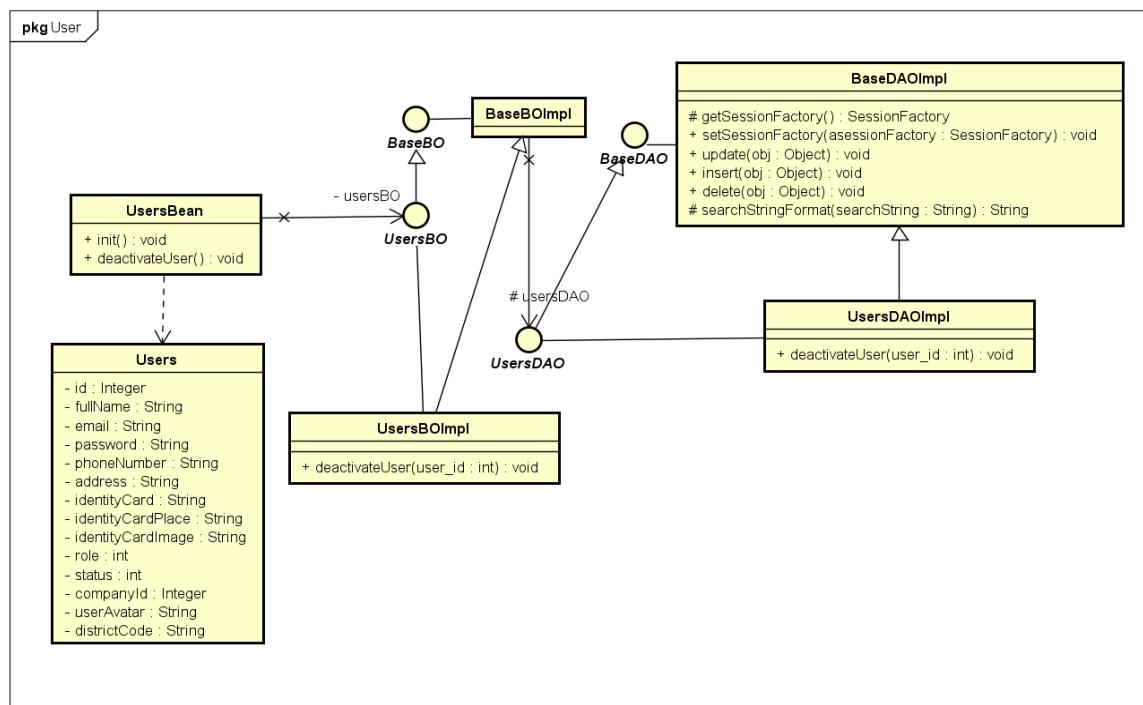


Figure 4.2-55 Deactivate Users Class Diagram

#### 4.2.2.16.2 Screen Design

Figure 4.2-56 Activate User

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Tên người dùng	fullName	inputText	No		
2	Email	email	inputText	No		
3	Tỉnh	province	selectOneMenu	No		
4	Quyền truy cập	role	selectOneMenu	No		
5	Tìm kiếm	btn_search	btn_search			
6	Danh sách người dùng	table_users	table_users			
7	Kích hoạt	activate	commandButton			
8	Ngưng kích hoạt	deactivate	commandButton			

#### 4.2.2.16.3 Sequence Diagram

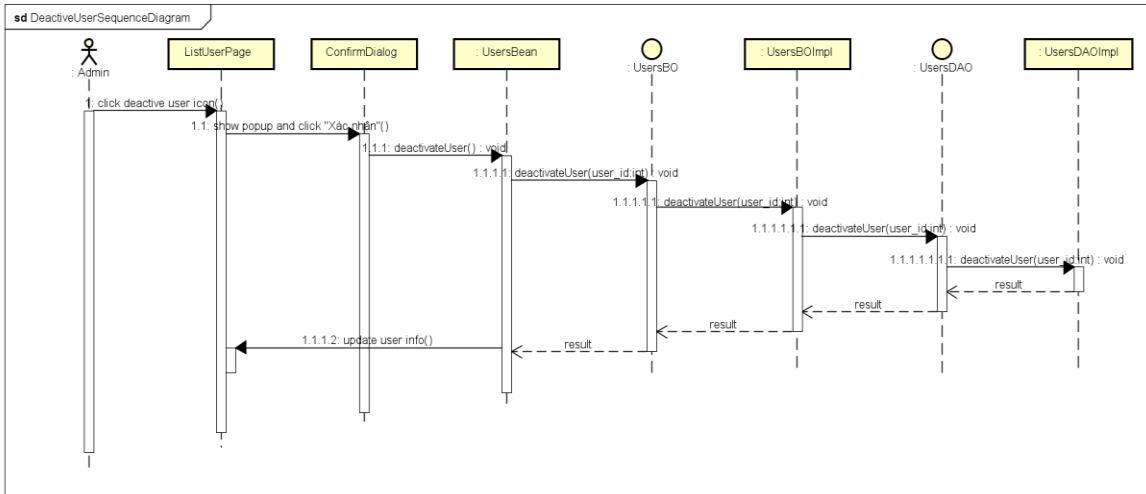


Figure 4.2-57 Deactivate Users Sequence Diagram

#### 4.2.2.17 Admin view fee list

##### 4.2.2.17.1 Class Diagram

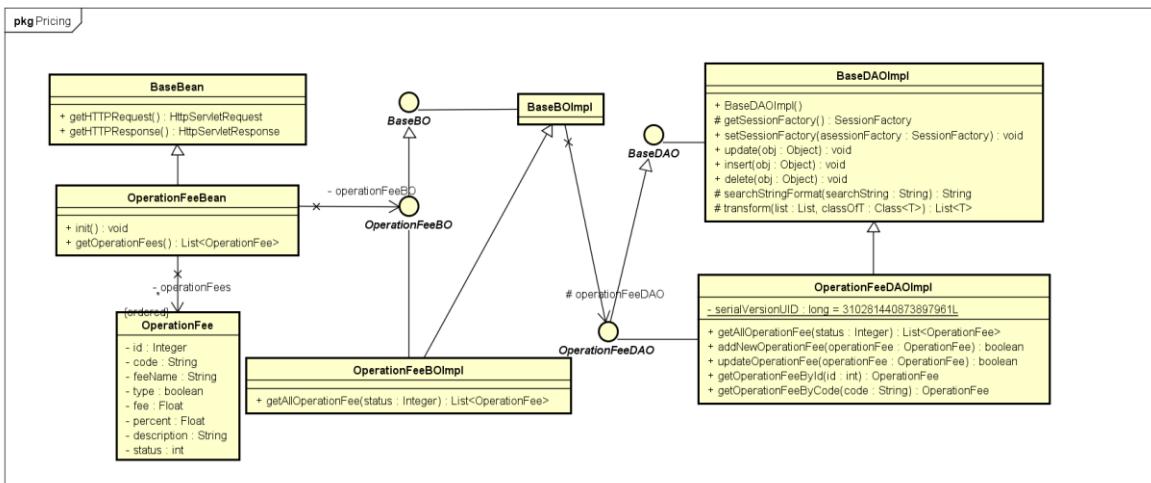


Figure 4.2-58 Fee List Class Diagram

#### 4.2.2.17.2 Screen Design

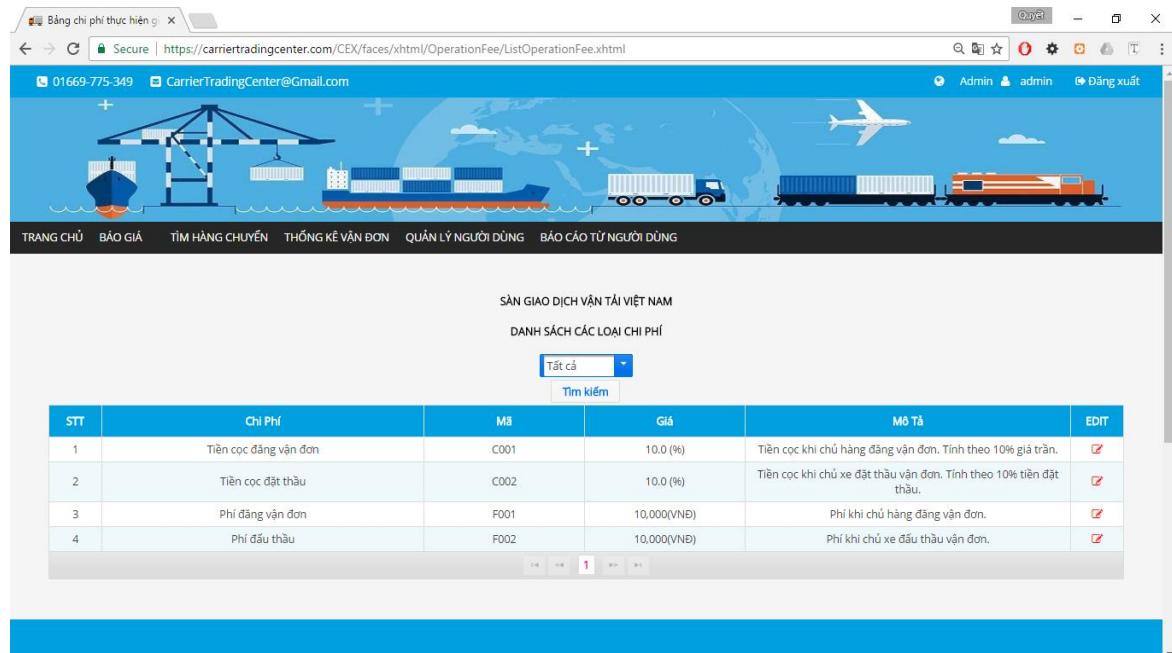


Figure 4.2-59 Fee List

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Search condition		selectOneMenu			
2	Tìm kiếm	search	commandButton			
3	Danh sách các loại chi phí	feeDataTable	dataTable			

#### 4.2.2.17.3 Sequence Diagram

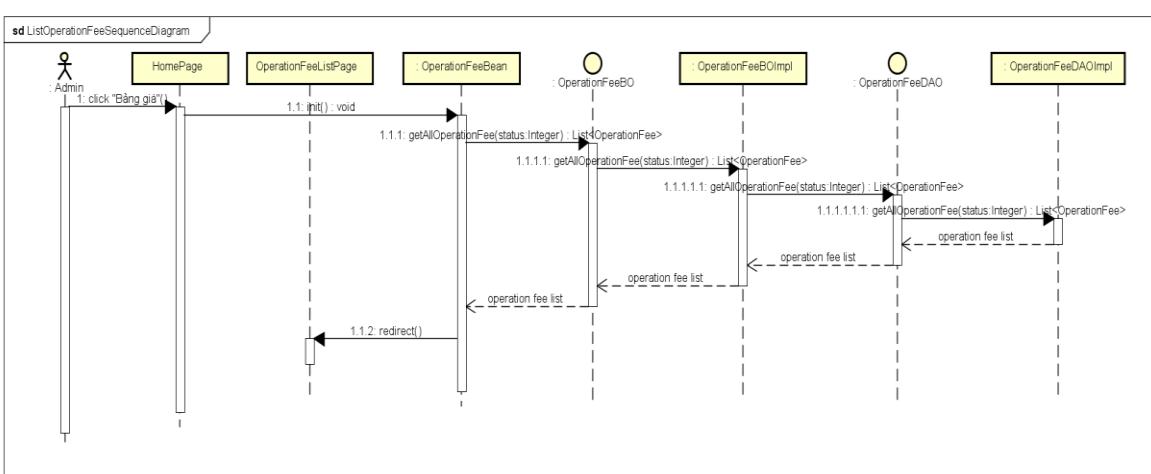


Figure 4.2-60 Fee List Sequence Diagram

#### 4.2.2.18 Admin edit fee

##### 4.2.2.18.1 Class Diagram

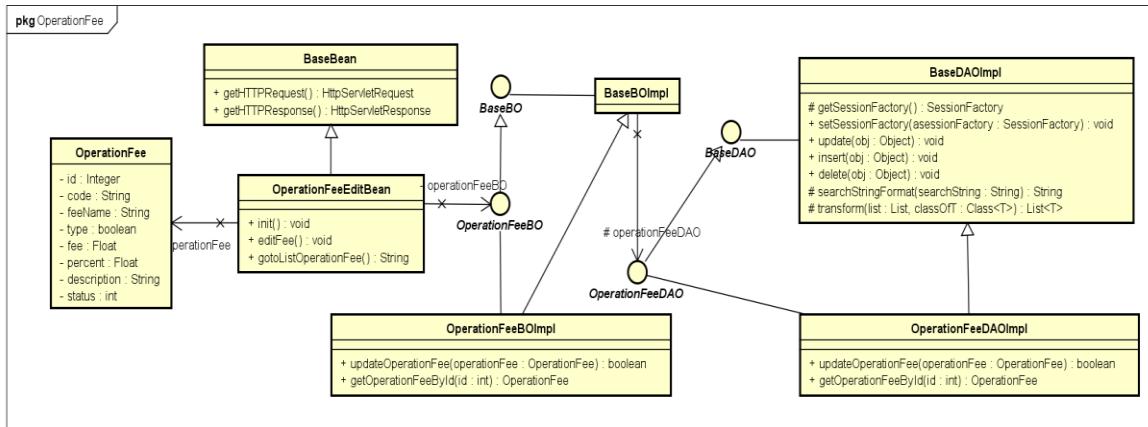


Figure 4.2-61 Edit Operation Fee Class Diagram

##### 4.2.2.18.2 Screen Design

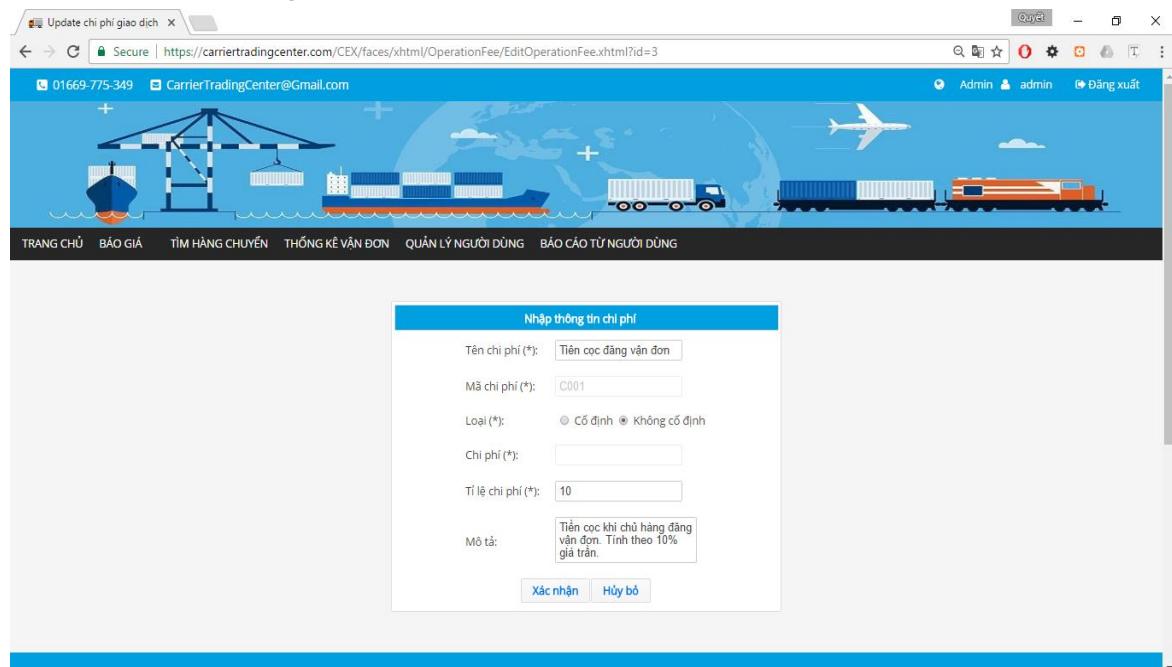


Figure 4.2-62 Edit Operation Fee

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Bảng thông tin chi phí		panelGrid			
2	Tên chi phí	feeNameInput	inputText			
3	Mã chi phí	operationFeeCode	inputText			
4	Loại	type	selectOneRadio			
5	Chi phí	fee	inputNumber			

6	Tỉ lệ chi phí	feePercent	inputNumber			
7	Mô tả	descriptioin	inputTextarea			
8	Xác nhận	confirm	commandButton			
9	Hủy bỏ	cancel	commandButton			

#### 4.2.2.18.3 Sequence Diagram

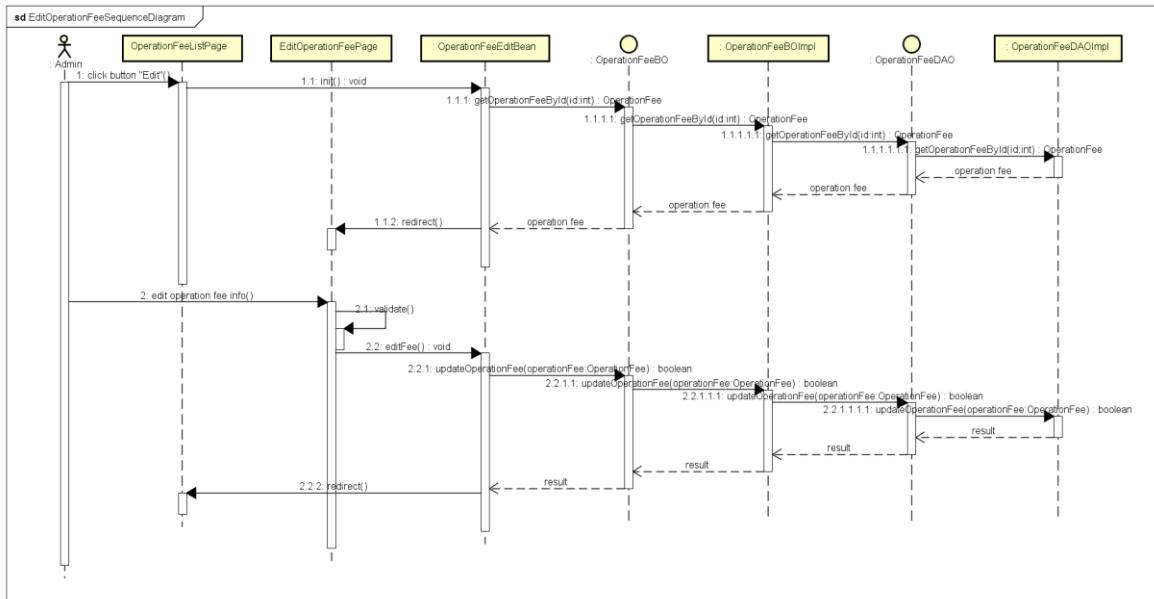


Figure 4.2-63 Edit Operation Fee Sequence Diagram

#### 4.2.2.19 Admin edit reference fee

##### 4.2.2.19.1 Class Diagram

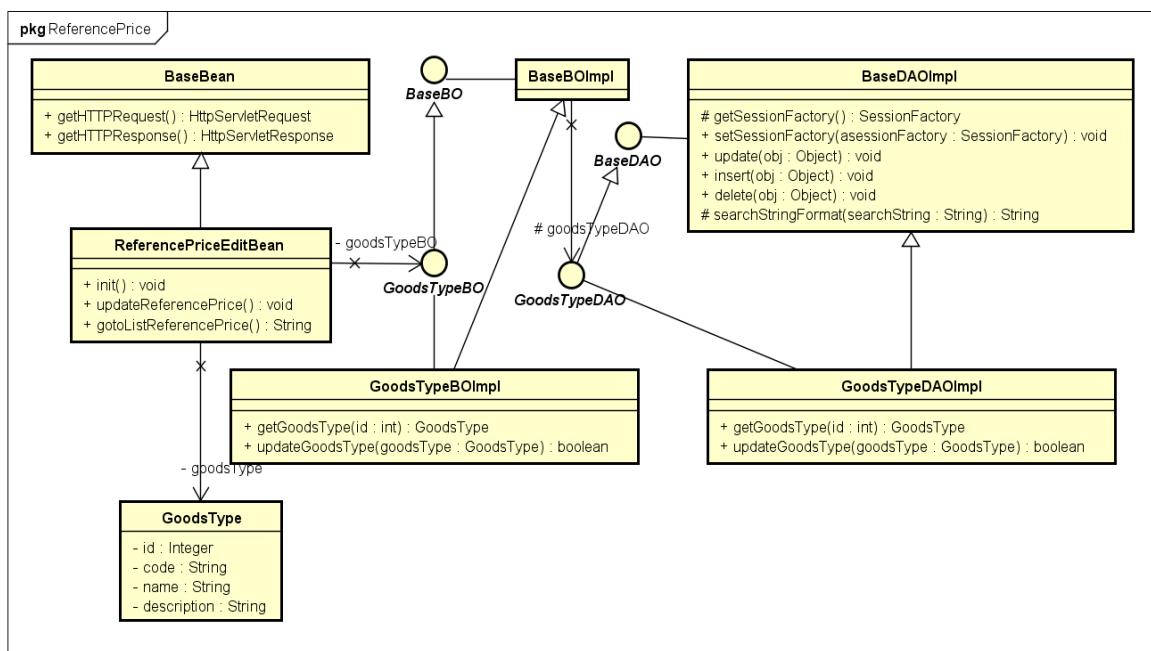


Figure 4.2-64 Edit Reference Fee Class Diagram

## 4.2.2.19.2 Screen Design

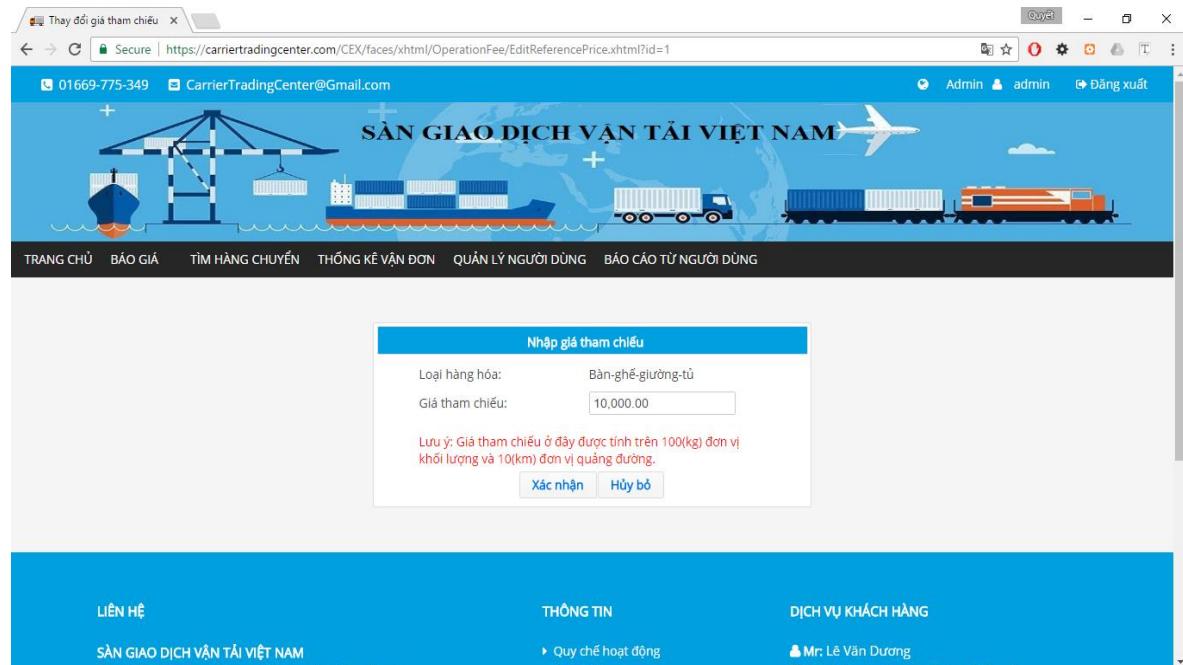


Figure 4.2-65 Edit reference fee

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Loại hàng hóa	goodsType	outputLable			
2	Fee tham chiếu	referenceFee	inputText			
3	Xác nhận	confirm	commandButton			
4	Hủy bỏ	cancel	commandButton			

#### 4.2.2.19.3 Sequence Diagram

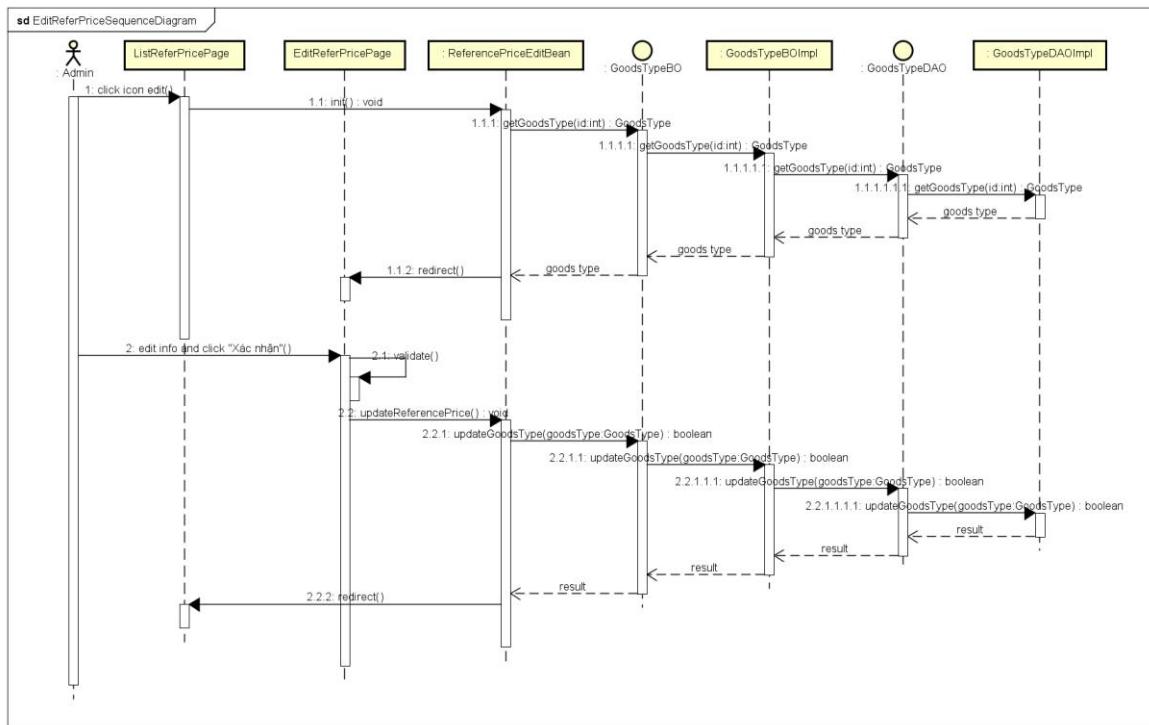


Figure 4.2-66 Edit Reference Fee Sequence Diagram

#### 4.2.2.20 Admin add new fee

##### 4.2.2.20.1 Class Diagram

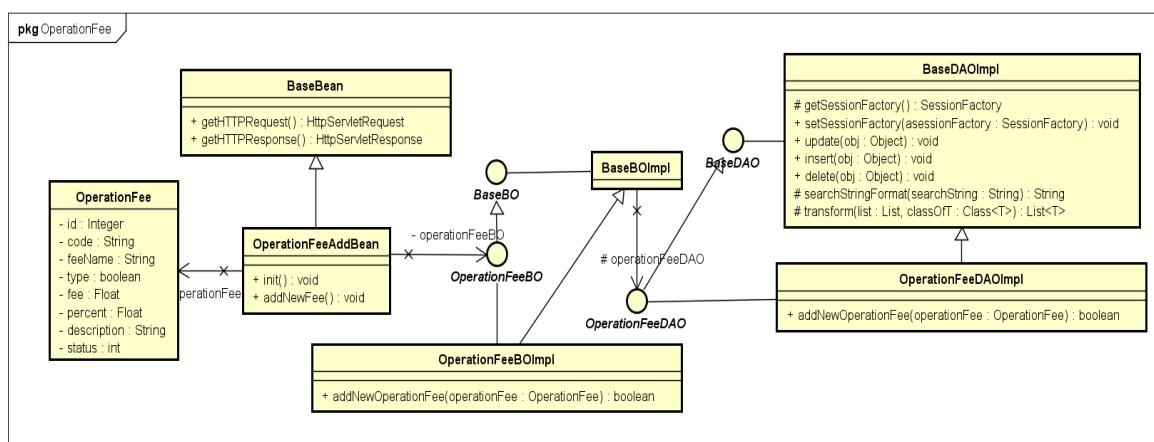


Figure 4.2-67 Add Operation Fee Class Diagram

## 4.2.2.20.2 Screen Design

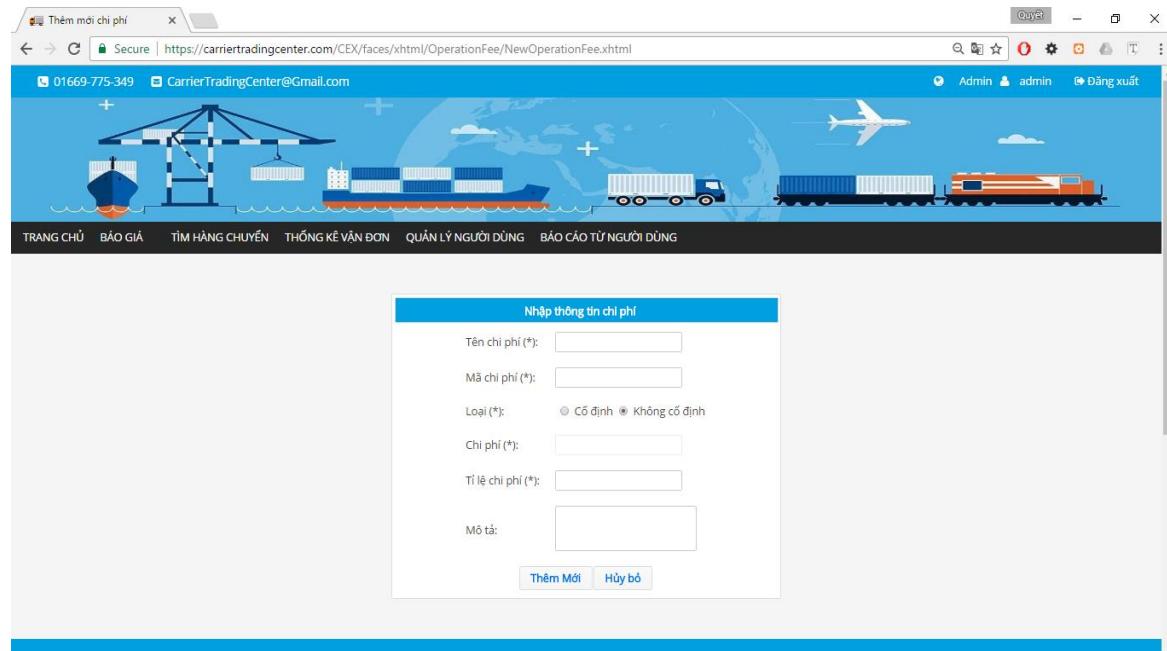


Figure 4.2-68 Add New Operation Fee

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Bảng thông tin chi phí		panelGrid			
2	Tên chi phí	feeNameInput	inputText			
3	Mã chi phí	operationFeeCode	inputText			
4	Loại	type	selectOneRadio			
5	Chi phí	fee	inputNumber			
6	Tỉ lệ chi phí	feePercent	inputNumber			
7	Mô tả	descriptioin	inputTextarea			
8	Thêm mới	confirm	commandButton			
9	Hủy bỏ	cancel	commandButton			

#### 4.2.2.20.3 Sequence Diagram

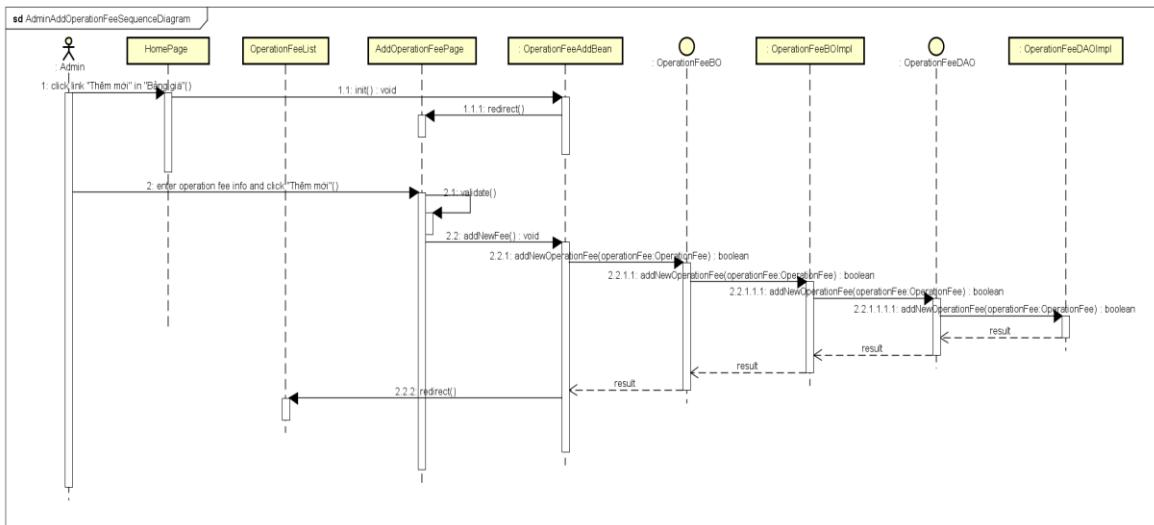


Figure 4.2-69 Add New Operation Fee Sequence Diagram

#### 4.2.2.21 Admin search report

##### 4.2.2.21.1 Class Diagram

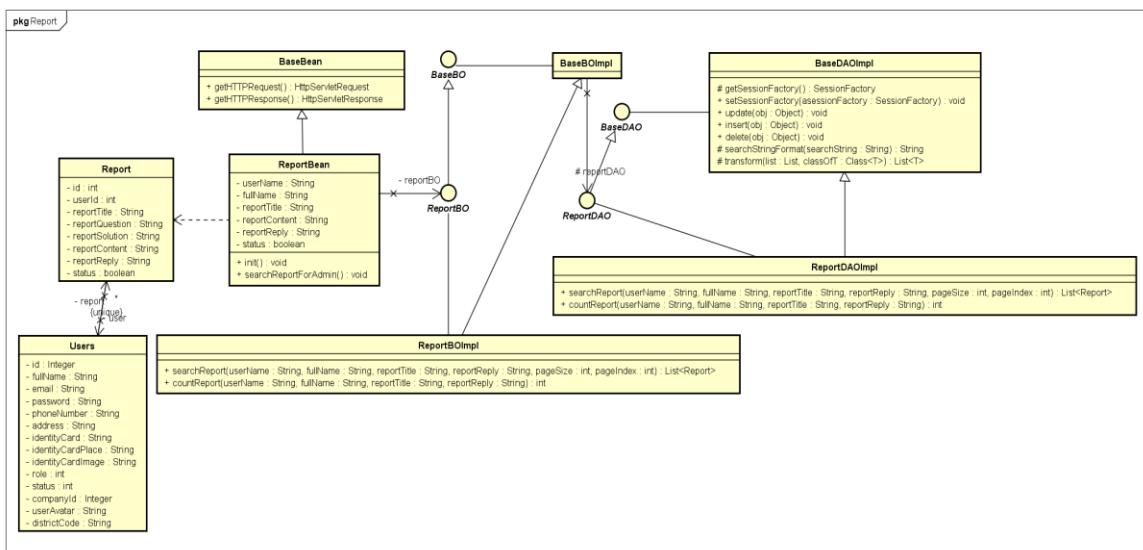


Figure 4.2-70 Search Report Class Diagram

#### 4.2.2.21.2 Screen Design

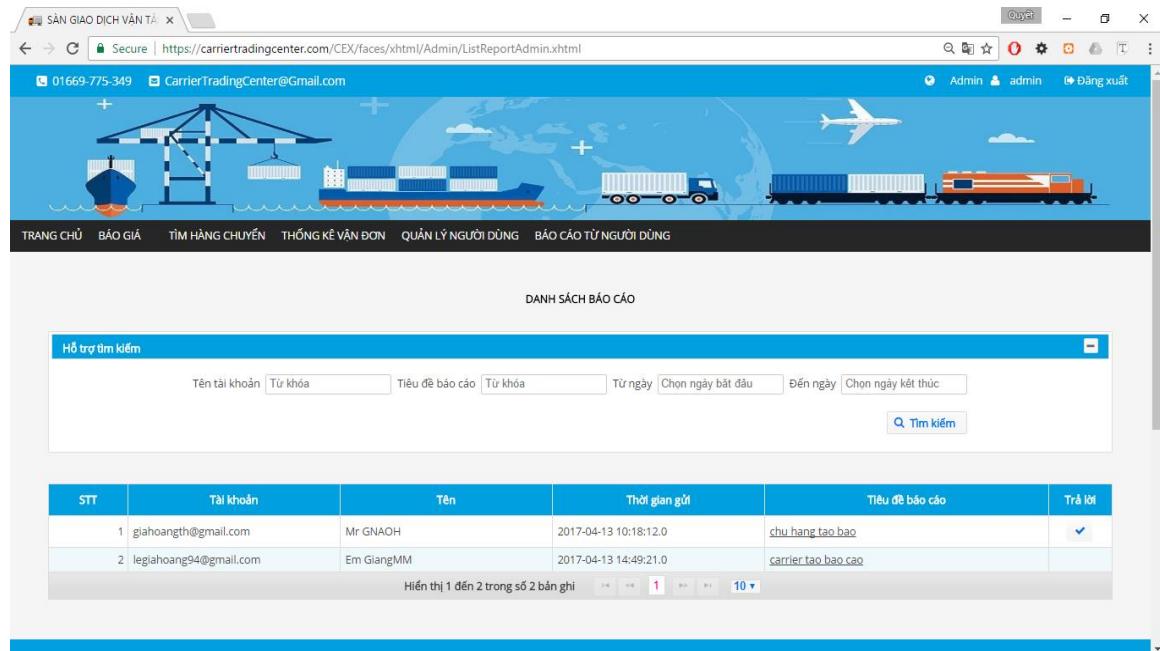


Figure 4.2-71 Search Report

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Hỗ trợ tìm kiếm	search_support	panelGrid			
2	Tên tài khoản	fullname	inputText			
3	Tiêu đề báo cáo	reportTitle	inputText			
4	Từ ngày	dateBegin	calendar			
5	Đến ngày	dateEnd	calendar			
6	Danh sách báo cáo	listReport	dataTable			

#### 4.2.2.21.3 Sequence Diagram

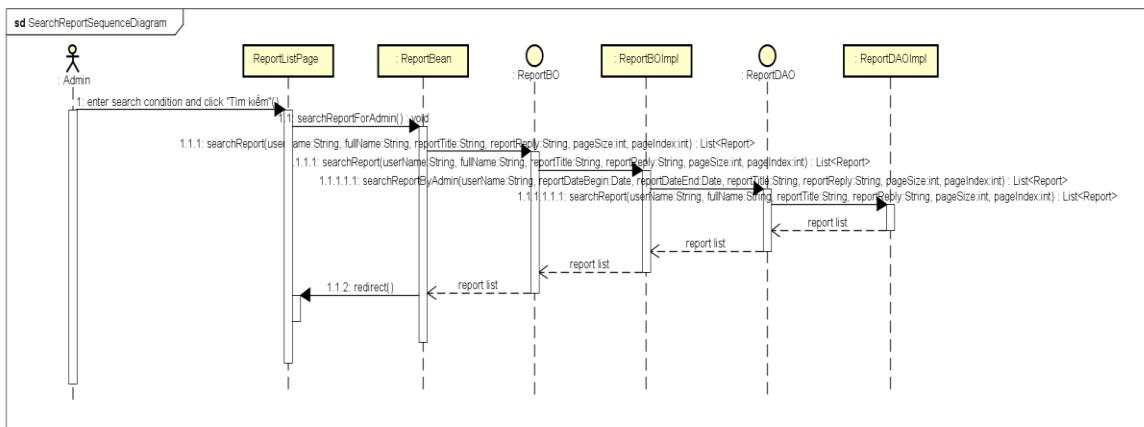


Figure 4.2-72 Search Report Sequence Diagram

#### 4.2.2.22 Admin view list report

##### 4.2.2.22.1 Class Diagram

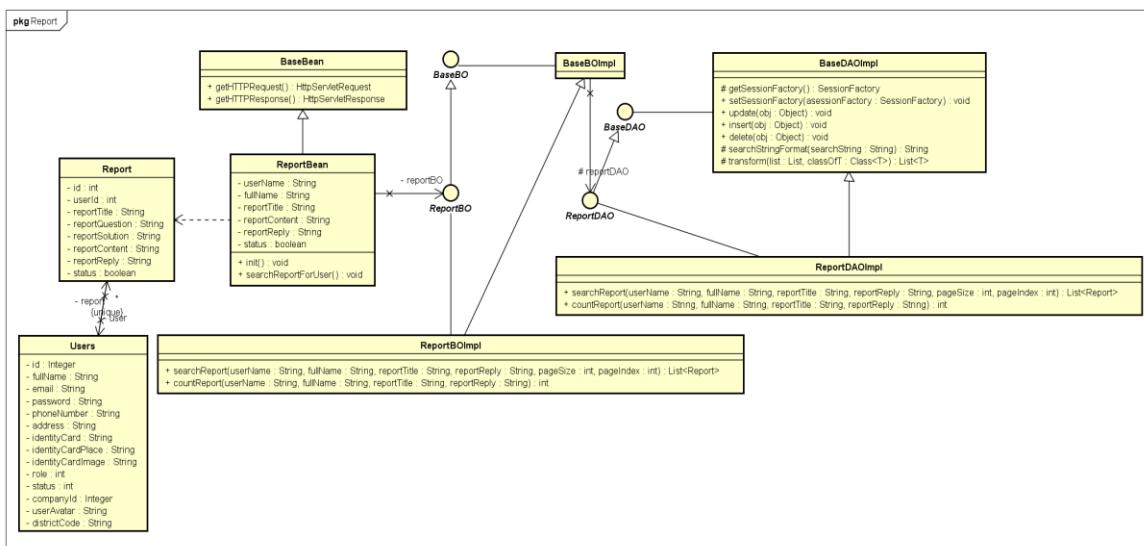


Figure 4.2-73 List Report Class Diagram

## 4.2.2.22.2 Screen Design

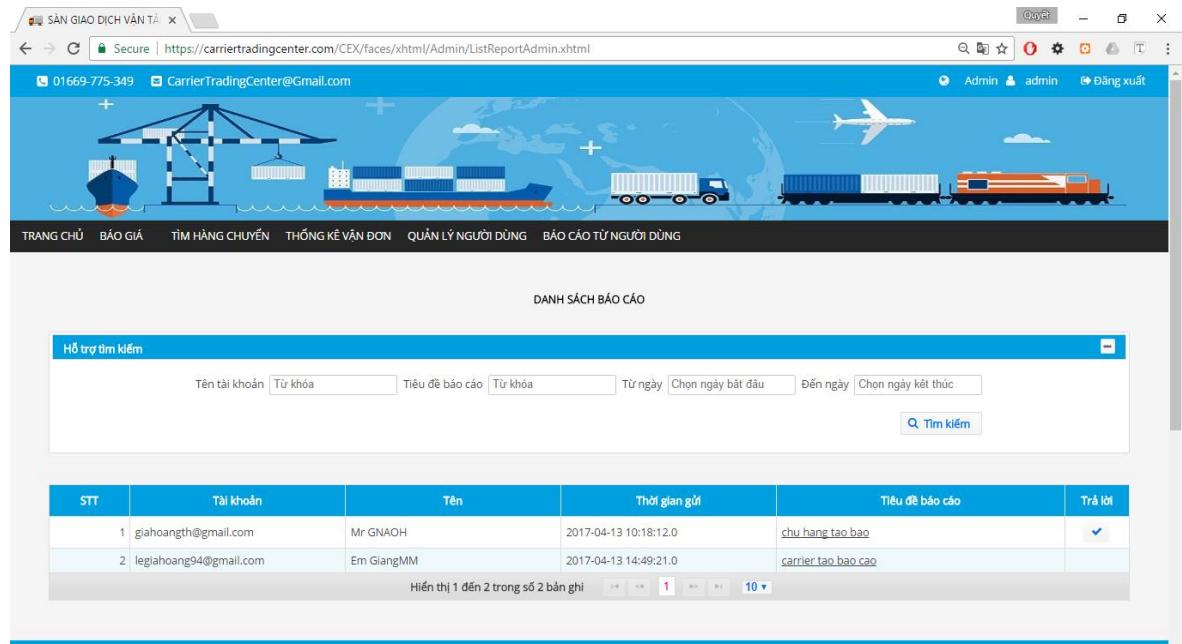


Figure 4.2-74 List Report

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Hỗ trợ tìm kiếm	search_support	panelGrid			
2	Tên tài khoản	fullname	inputText			
3	Tiêu đề báo cáo	reportTitle	inputText			
4	Từ ngày	dateBegin	calendar			
5	Đến ngày	dateEnd	calendar			
6	Danh sách báo cáo	listReport	dataTable			

#### 4.2.2.22.3 Sequence Diagram

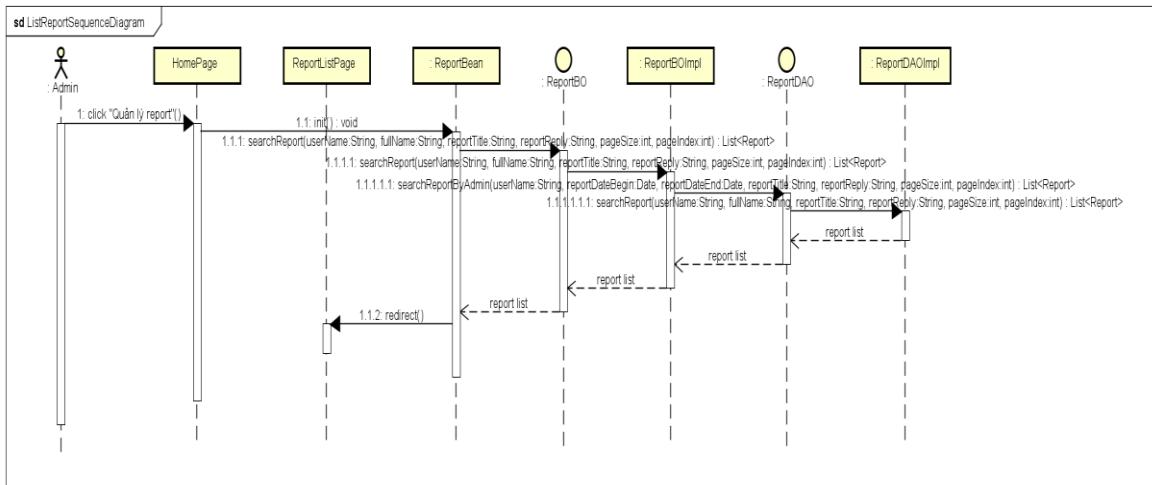


Figure 4.2-75 List Report Sequence Diagram

#### 4.2.2.23 Admin response report

##### 4.2.2.23.1 Class Diagram

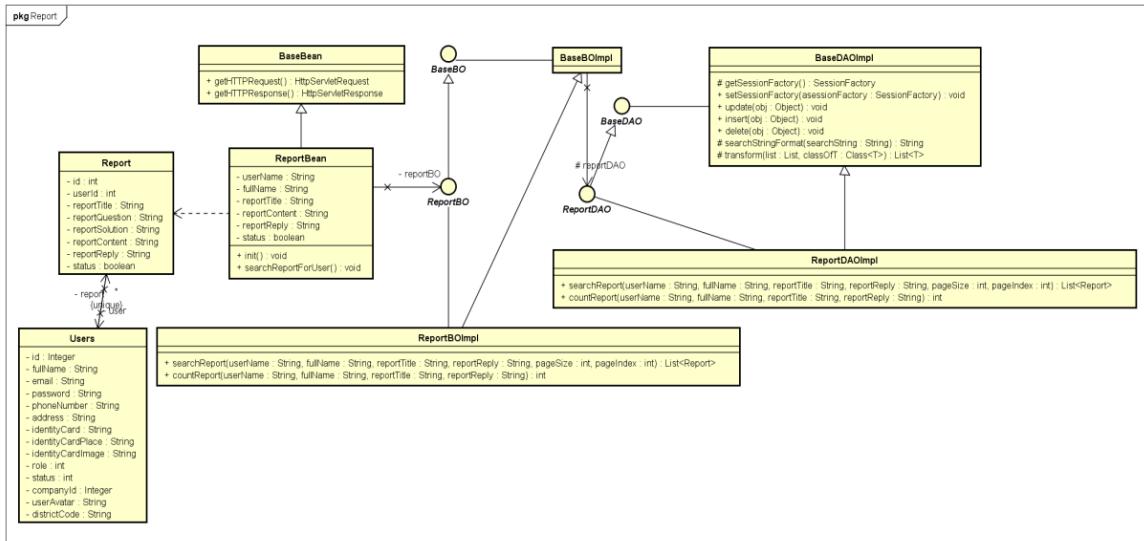


Figure 4.2-76 Response report

## 4.2.2.23.2 Screen Design

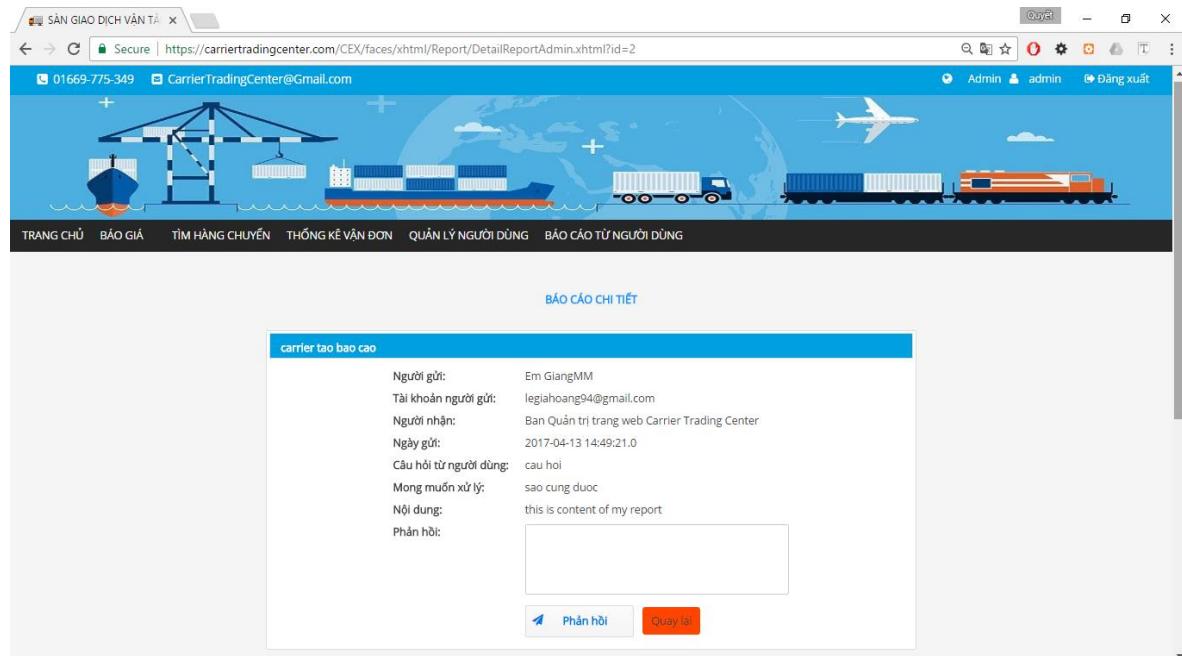


Figure 4.2-77 Response Report

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Báo cáo chi tiết	reportDetail	panelGrid			
2	Tiêu đề báo cáo	fullName	outputText			
3	Người gửi	userName	outputText			
4	Tài khoản người gửi	userName	outputText			
5	Người nhận		outputText			
6	Ngày gửi	reportDate	outputLable			
7	Câu hỏi từ người dùng	reportQuestion	outputLable			
8	Mong muốn xử lý	reportSolution	outputLable			
9	Nội dung	reportContent	outputLable			
10	Phản hồi	reportReply	inputTextarea			
11	Phản hồi	submit	commandButton			
12	Quay lại	goback	commandButton			

#### 4.2.2.23.3 Sequence Diagram

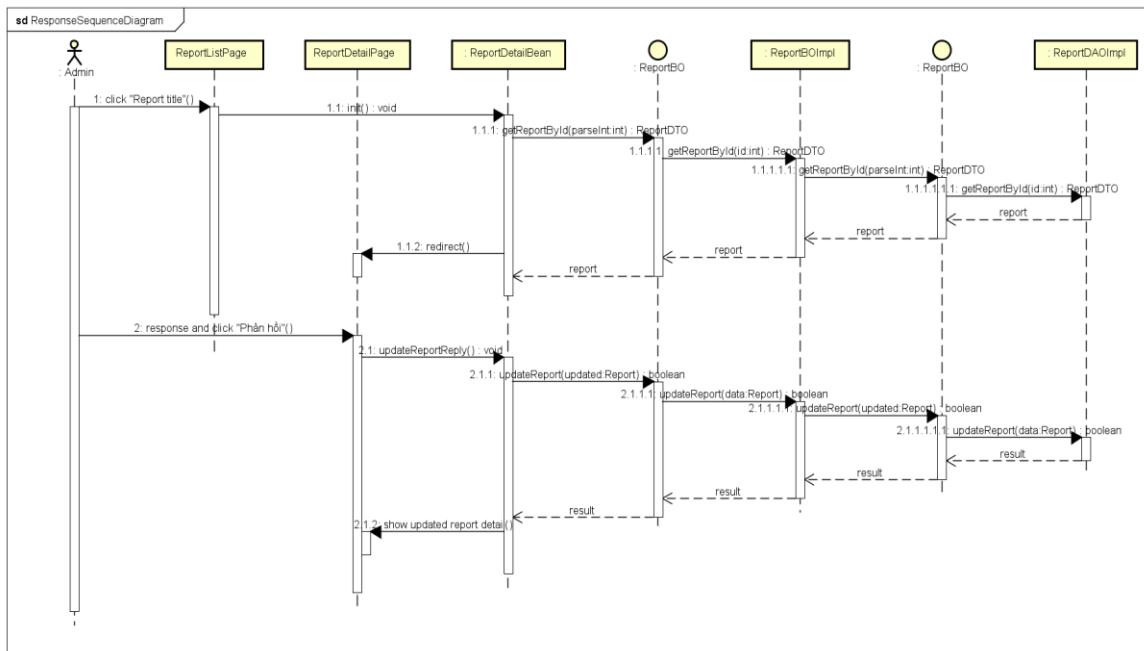


Figure 4.2-78 Response Report Sequence Diagram

#### 4.2.2.24 Admin edit profile

##### 4.2.2.24.1 Class Diagram

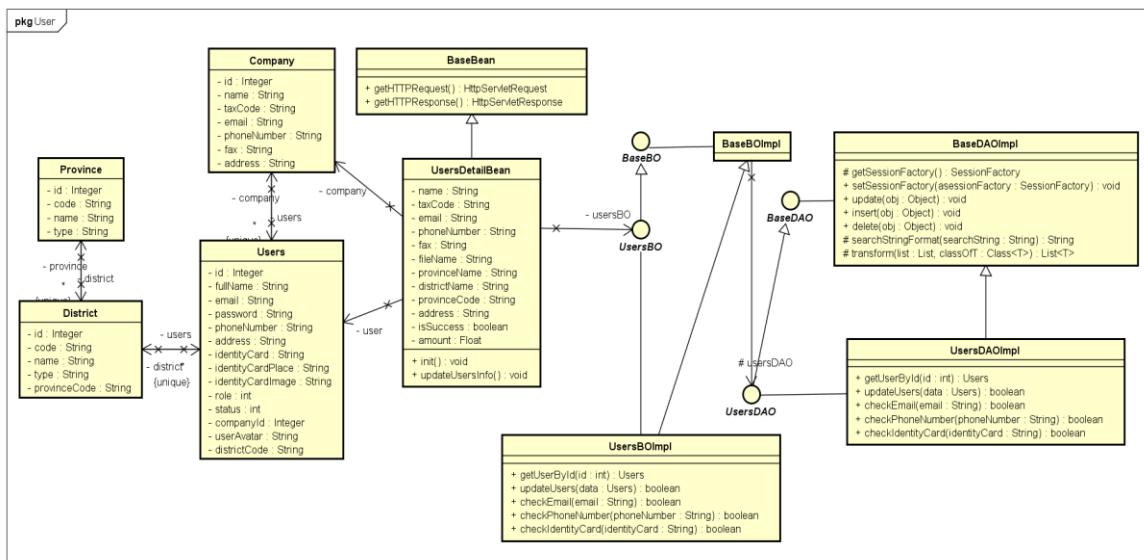


Figure 4.2-79 Edit Profile Class Diagram

## 4.2.2.24.2 Screen Design

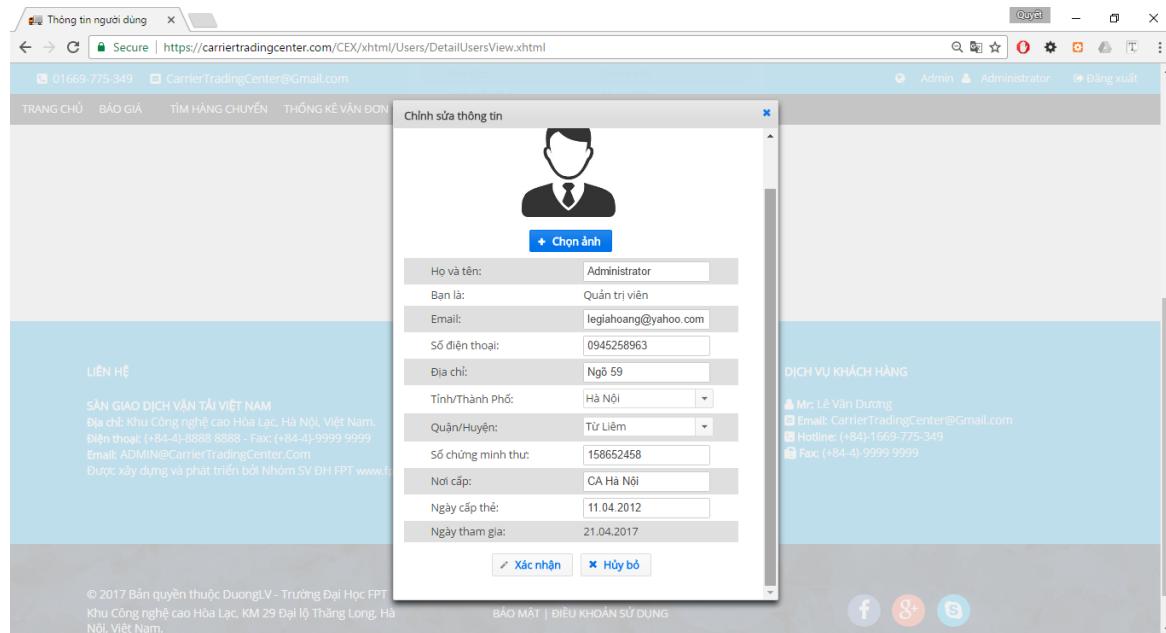


Figure 4.2-80 Edit Profile

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	avatar	avatar	graphicImage			
2	Chọn ảnh	chooseImg	fileUpload			
3	Họ và tên	fullName	inputText			
4	Bạn là	role	outputable			
5	Email	email	inputText			
6	Số điện thoại	phoneNumber	inputText			
7	Địa chỉ	address	inputText			
8	Tỉnh/Thành phố	province	selectOneMenu			
9	Quận/Huyện	district	selectOneMenu			
10	Số chứng minh thư	identityCard	inputText			
11	Nơi cấp	identityCardPlace	inputText			
12	Ngày cấp	identityCardDate	inputText			
13	Ngày tham gia	dateCreate	outputable			
14	Lưu thay đổi	save	commandButton			
15	Hủy bỏ	cancel	commandButton			

#### 4.2.2.24.3 Sequence Diagram

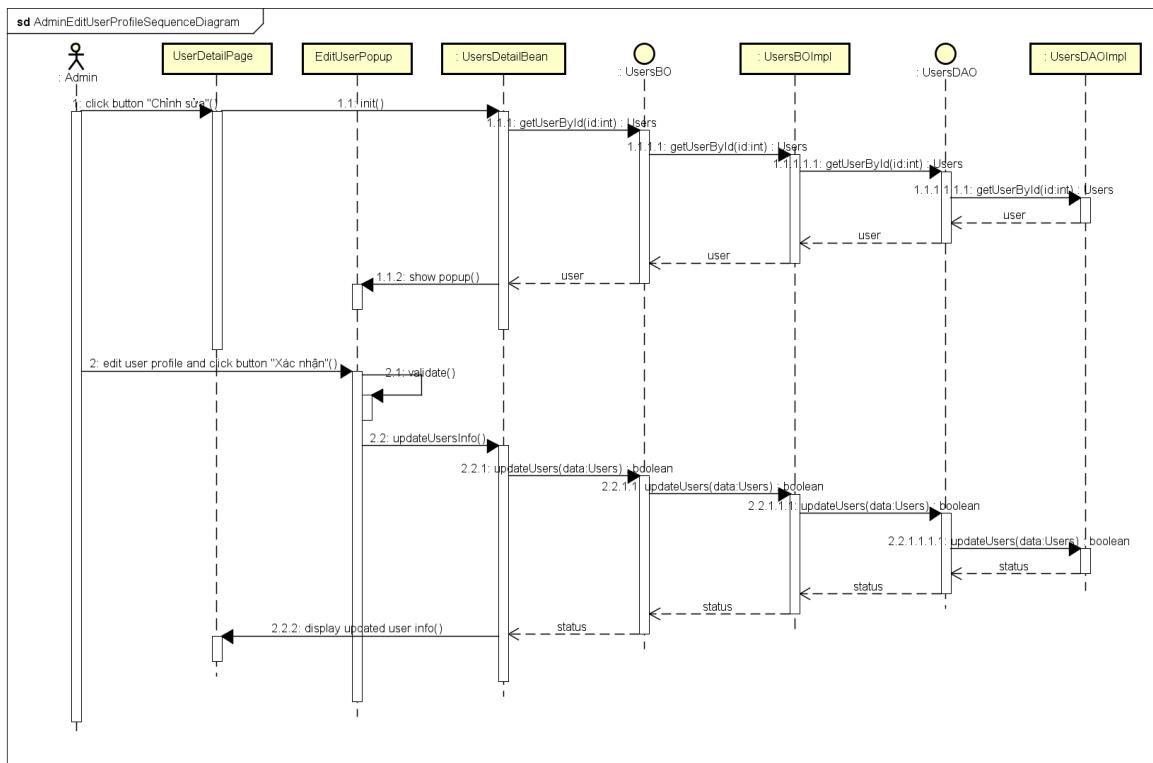


Figure 4.2-81 Edit Profile Sequence Diagram

#### 4.2.2.25 Admin edit user profile

##### 4.2.2.25.1 Class Diagram

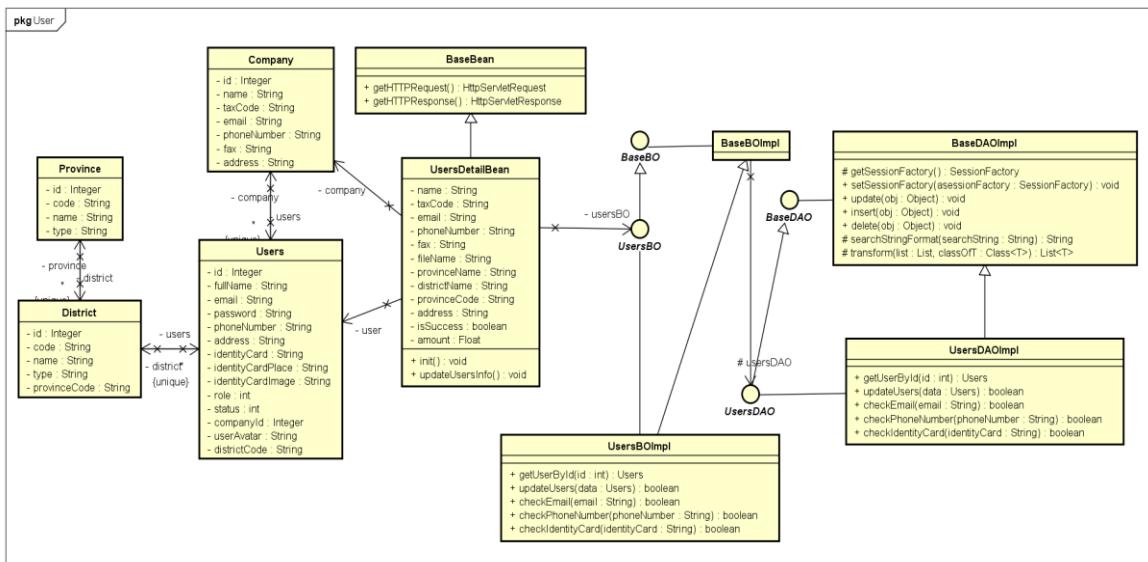


Figure 4.2-82 Edit Profile Class Diagram

## 4.2.2.25.2 Screen Design

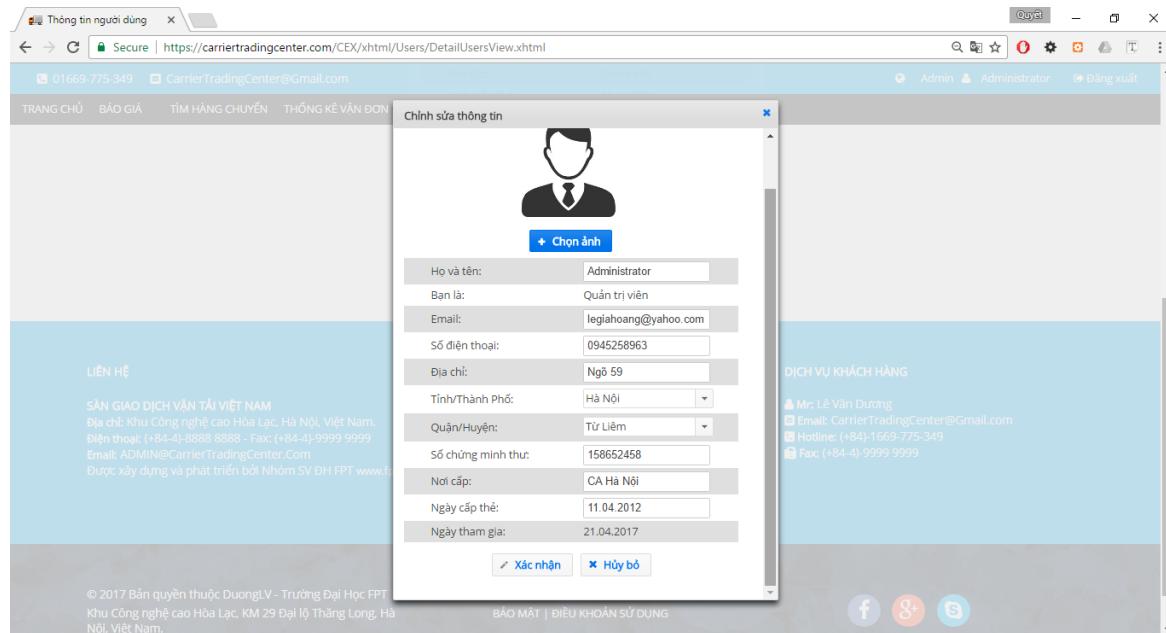


Figure 4.2-83 Edit User Profile

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	avatar	avatar	graphicImage			
2	Chọn ảnh	chooseImg	fileUpload			
3	Họ và tên	fullName	inputText			
4	Bạn là	role	outputable			
5	Email	email	inputText			
6	Số điện thoại	phoneNumber	inputText			
7	Địa chỉ	address	inputText			
8	Tỉnh/Thành phố	province	selectOneMenu			
9	Quận/Huyện	district	selectOneMenu			
10	Số chứng minh thư	identityCard	inputText			
11	Nơi cấp	identityCardPlace	inputText			
12	Ngày cấp	identityCardDate	inputText			
13	Ngày tham gia	dateCreate	outputable			
14	Lưu thay đổi	save	commandButton			
15	Hủy bỏ	cancel	commandButton			

#### 4.2.2.25.3 Sequence Diagram

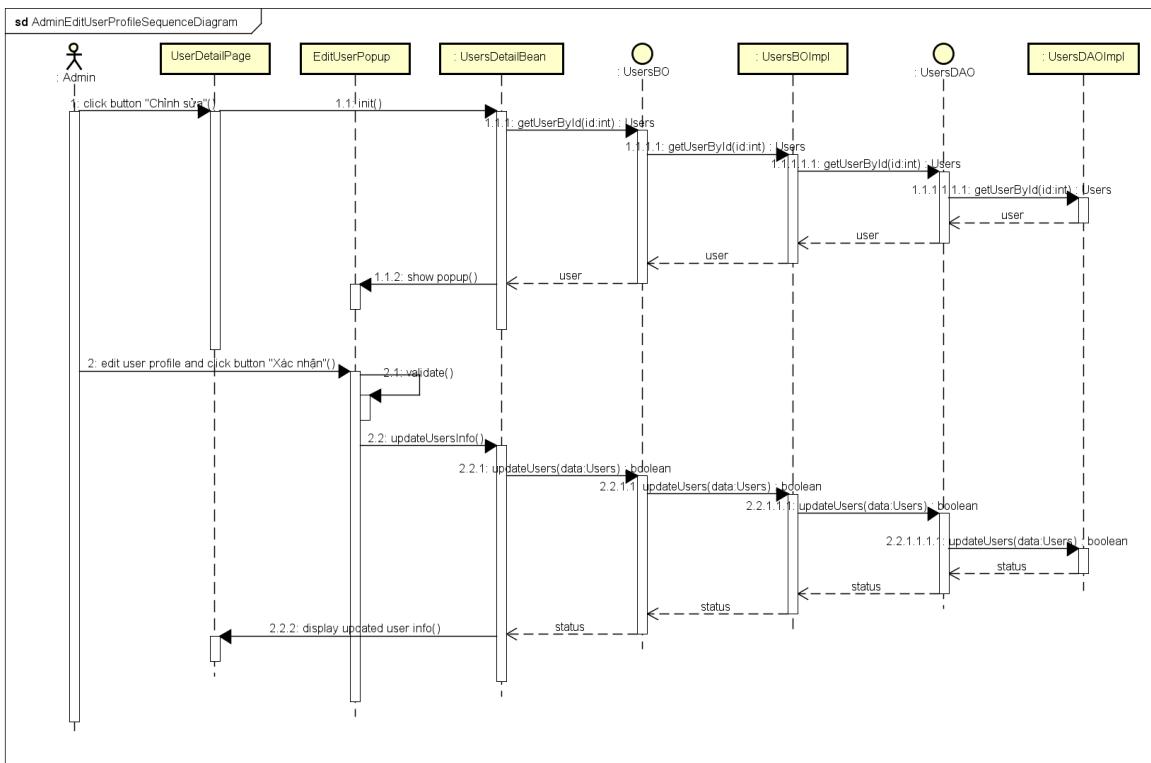


Figure 4.2-84 Edit User Profile Sequence Diagram

#### 4.2.2.26 Admin change password

##### 4.2.2.26.1 Class Diagram

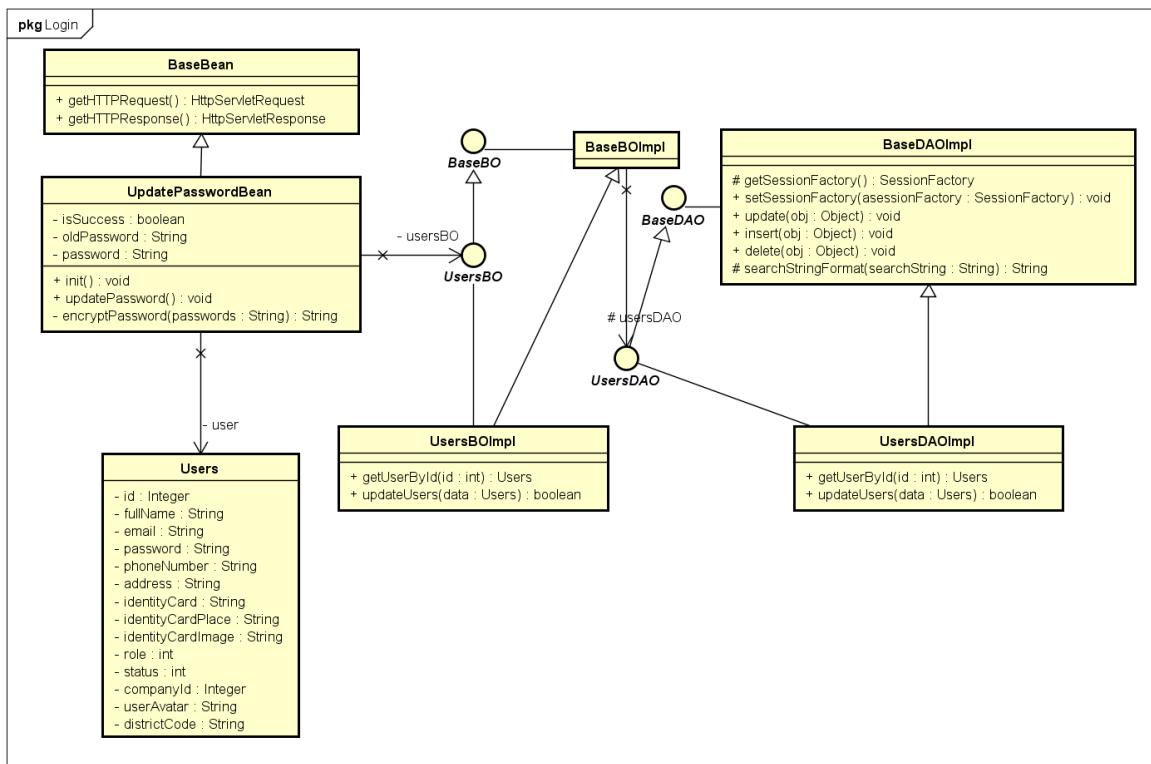


Figure 4.2-85 Change Password Class Diagram

## 4.2.2.26.2 Screen Design

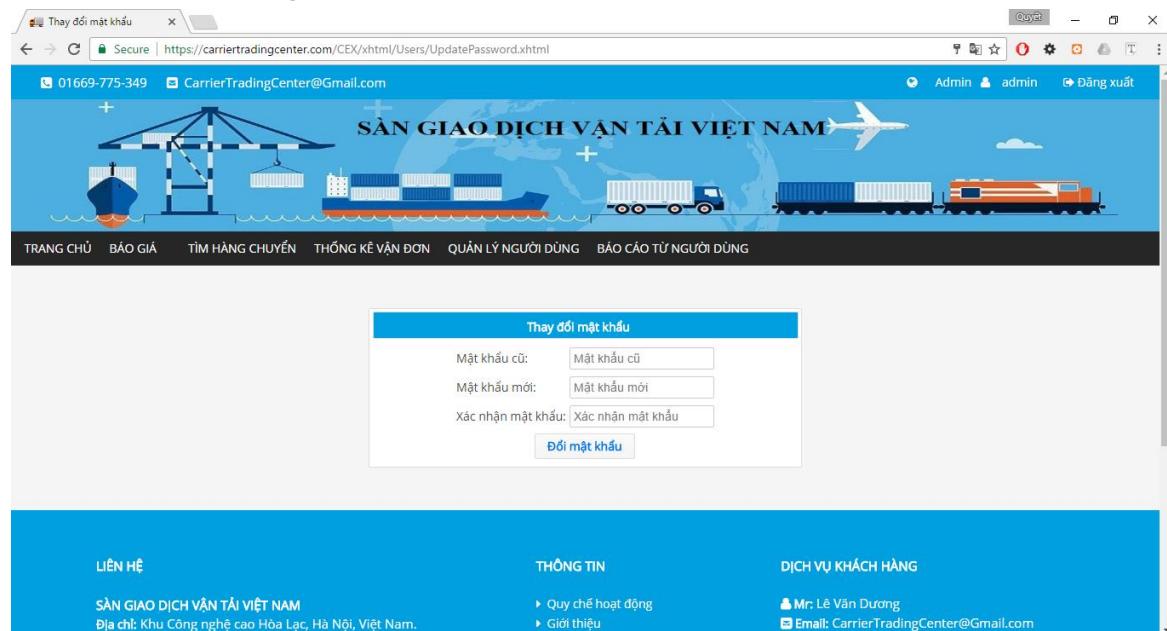


Figure 4.2-86 Update Password

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thay đổi mật khẩu	resetPassword	panelGrid			
2	Mật khẩu cũ	fullName	password			
3	Mật khẩu mới	role	password			
4	Xác nhận mật khẩu	email	password			
5	Đổi mật khẩu	phoneNumber	commandButton			

#### 4.2.2.26.3 Sequence Diagram

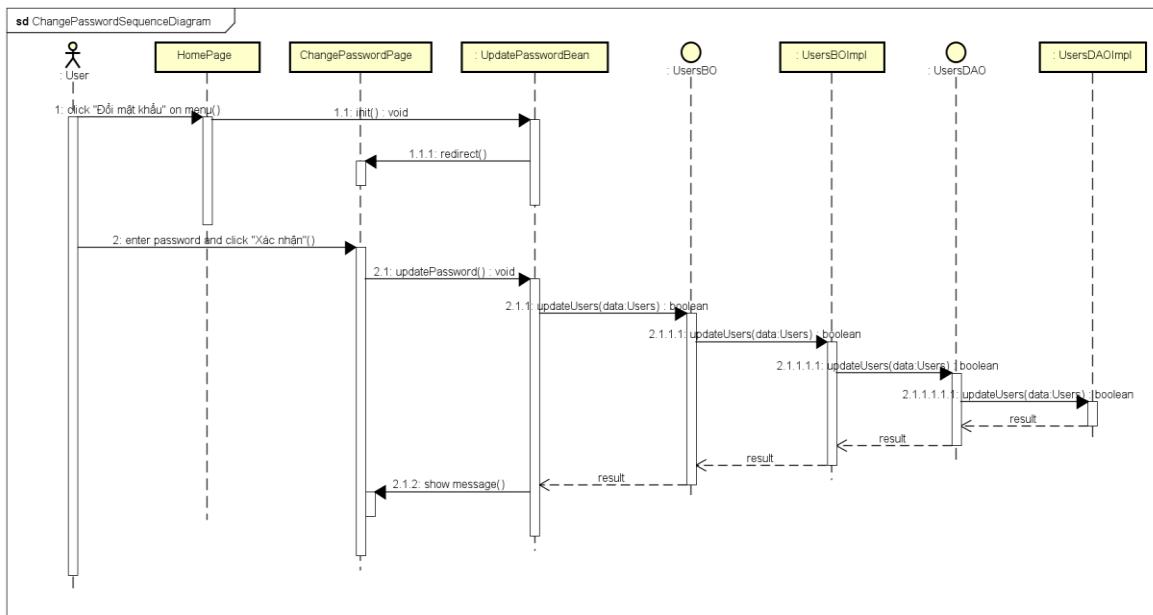


Figure 4.2-87 Update Password Sequence Diagram

#### 4.2.2.27 Admin forgot password

##### 4.2.2.27.1 Class Diagram

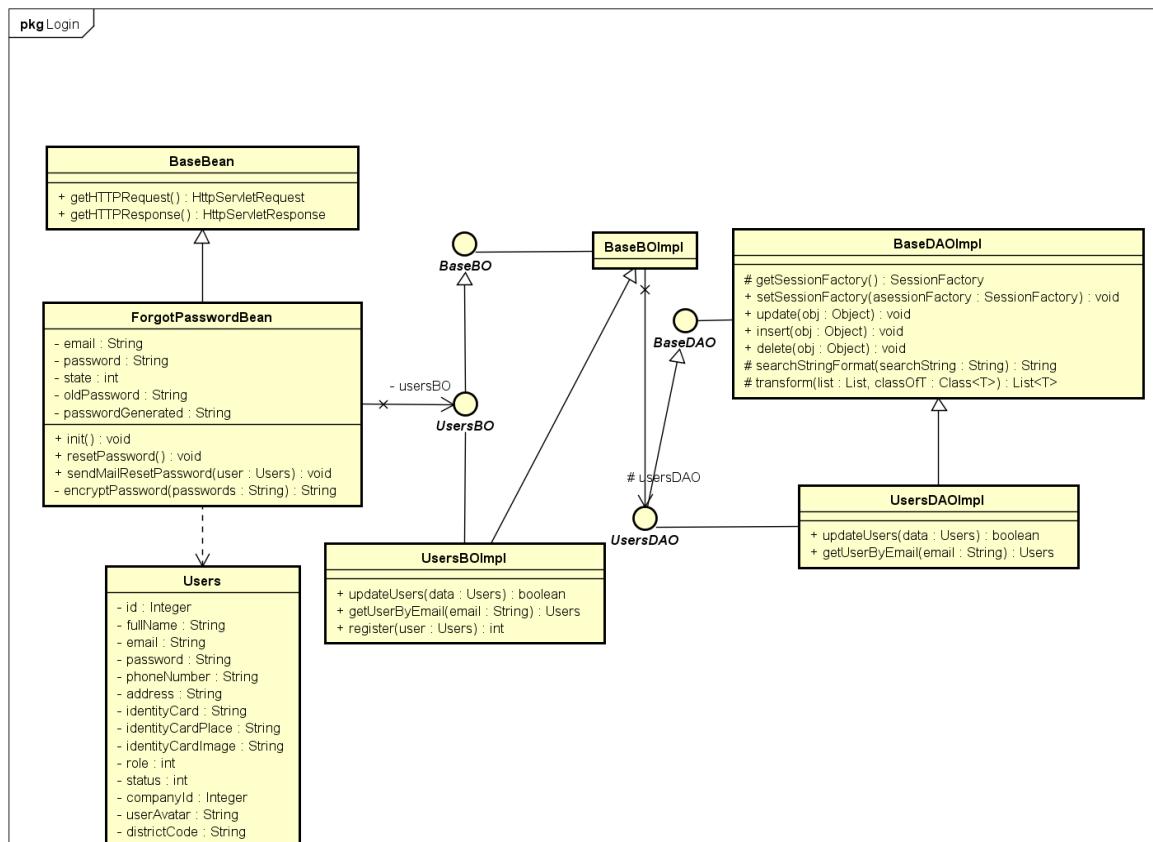


Figure 4.2-88 Forgot Password Class Diagram

## 4.2.2.27.2 Screen Design

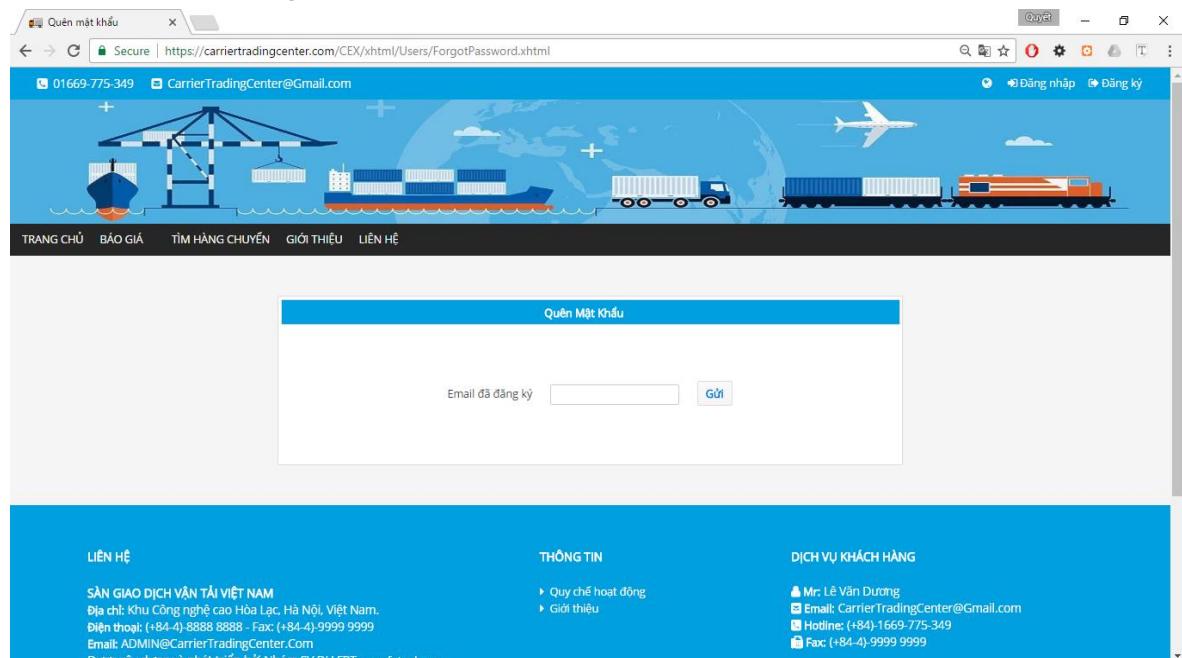


Figure 4.2-89 Forgot Password

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Quên mật khẩu	forgotPassword	panelGrid			
2	Email đã đăng ký	email	inputText			
3	Gửi	send	commandButton			

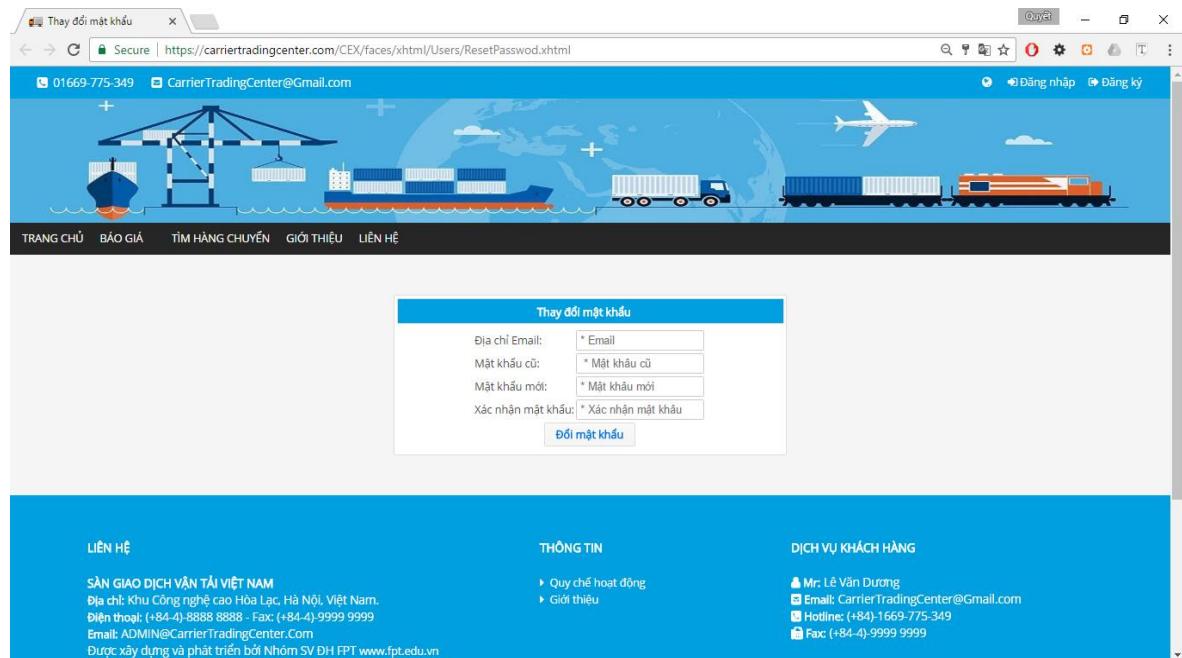


Figure 4.2-90 Reset Password

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thay đổi mật khẩu	resetPassword	panelGrid			
2	Địa chỉ email	chooseImg	inputText			
3	Mật khẩu cũ	fullName	password			
4	Mật khẩu mới	role	password			
5	Xác nhận mật khẩu	email	password			
6	Đổi mật khẩu	phoneNumber	commandButton			

#### 4.2.2.27.3 Sequence Diagram

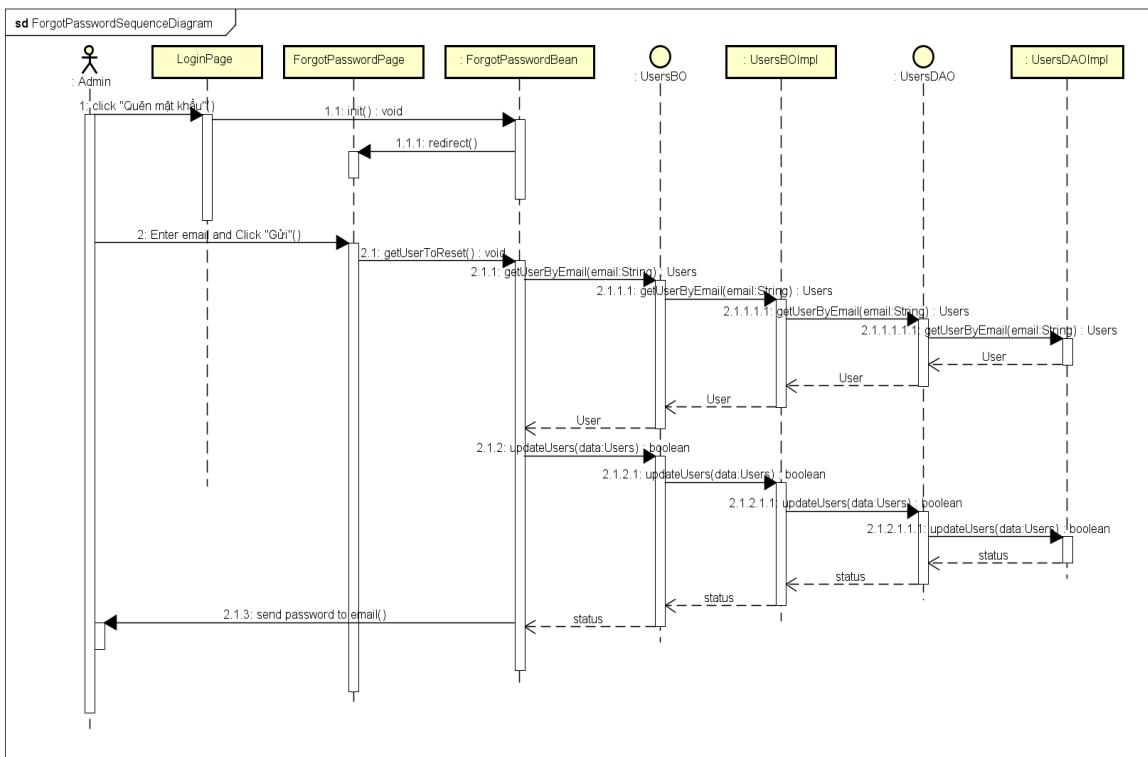


Figure 4.2-91 Forgot Password Sequence Diagram

#### 4.2.2.28 Admin login

##### 4.2.2.28.1 Class Diagram

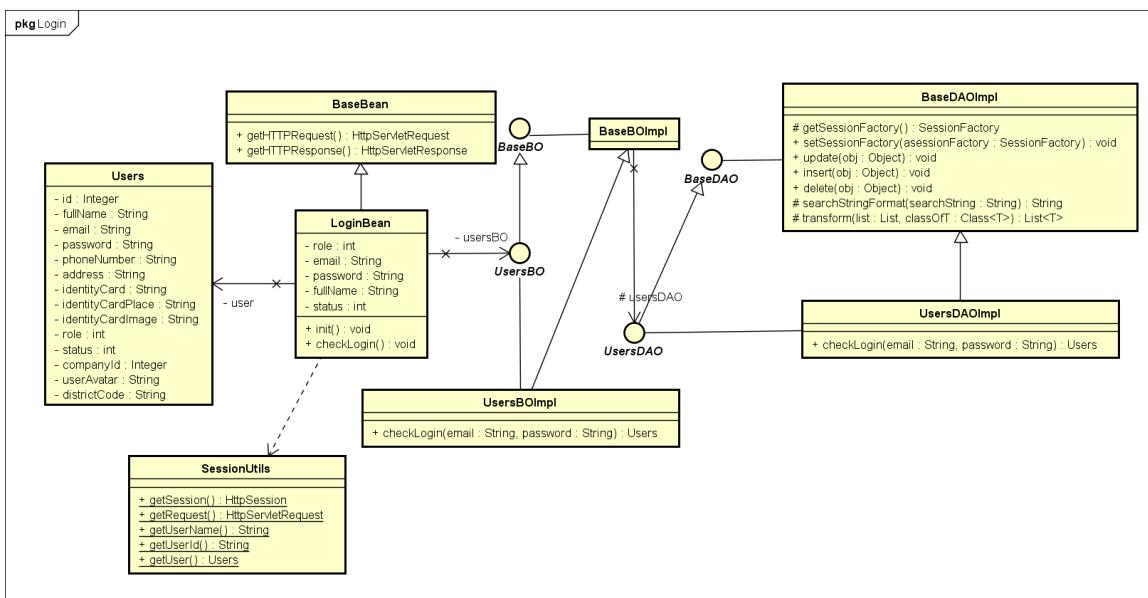


Figure 4.2-92 Login Class Diagram

## 4.2.2.28.2 Screen Design

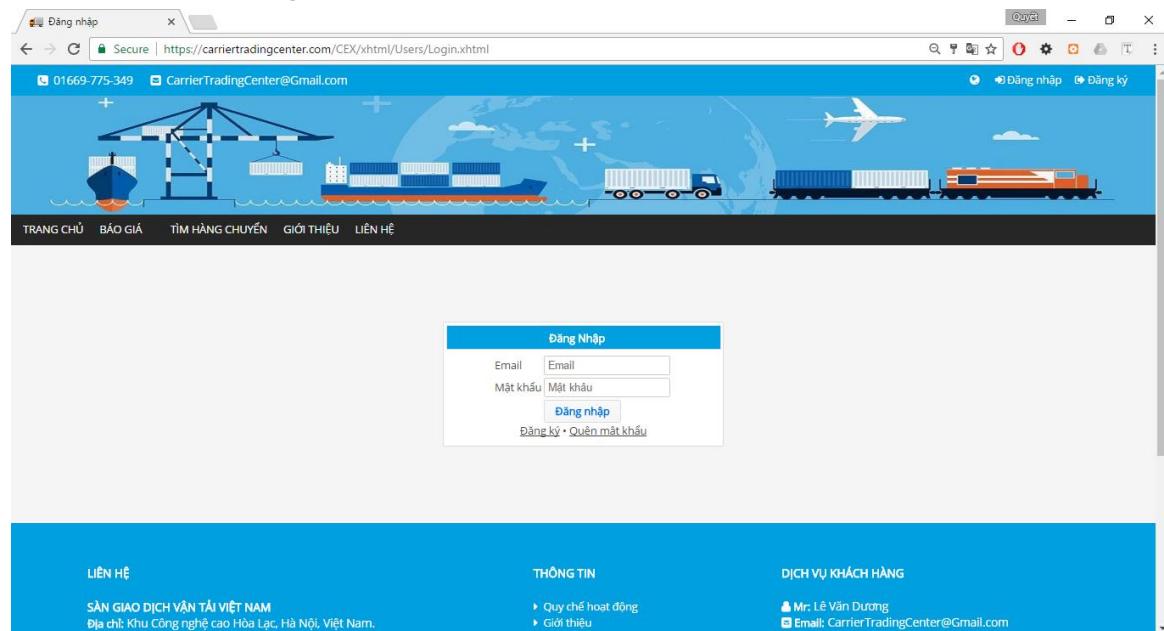


Figure 4.2-93 Login

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Đăng nhập	login	CommandButton			
2	Email	email	inputText			
3	Mật khẩu	password	password			
4	Đăng ký	register	Hreflink			
5	Quên mật khẩu	Forgot password	Hreflink			

#### 4.2.2.28.3 Sequence Diagram

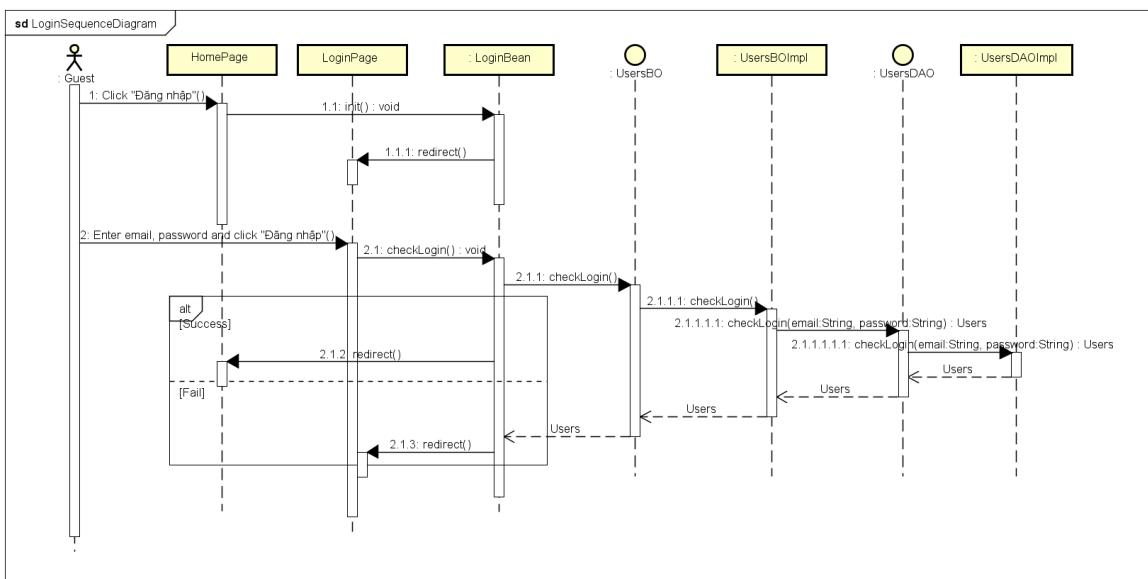


Figure 4.2-94 Login Sequence Diagram

#### 4.2.2.29 Admin logout

##### 4.2.2.29.1 Class Diagram

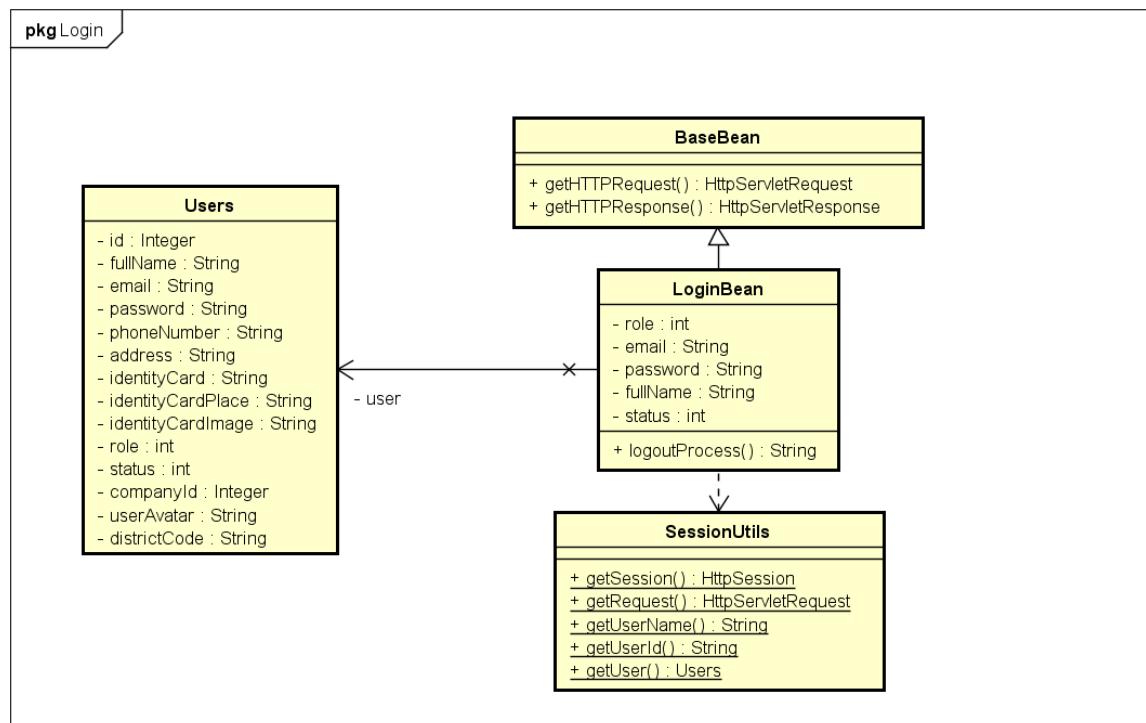
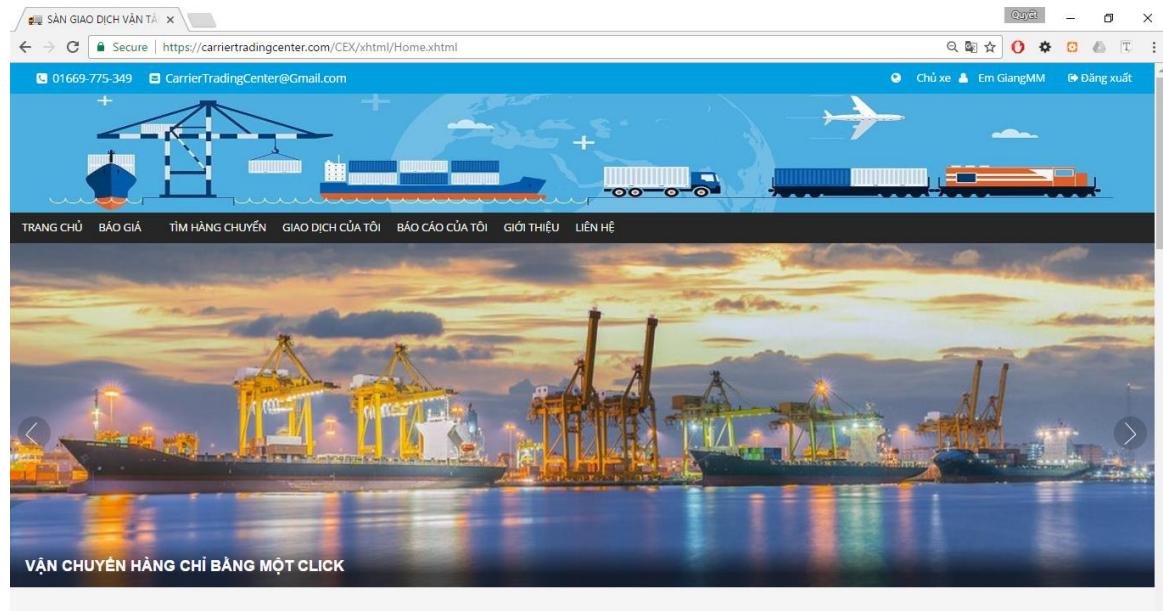


Figure 4.2-95 Logout Class Diagram

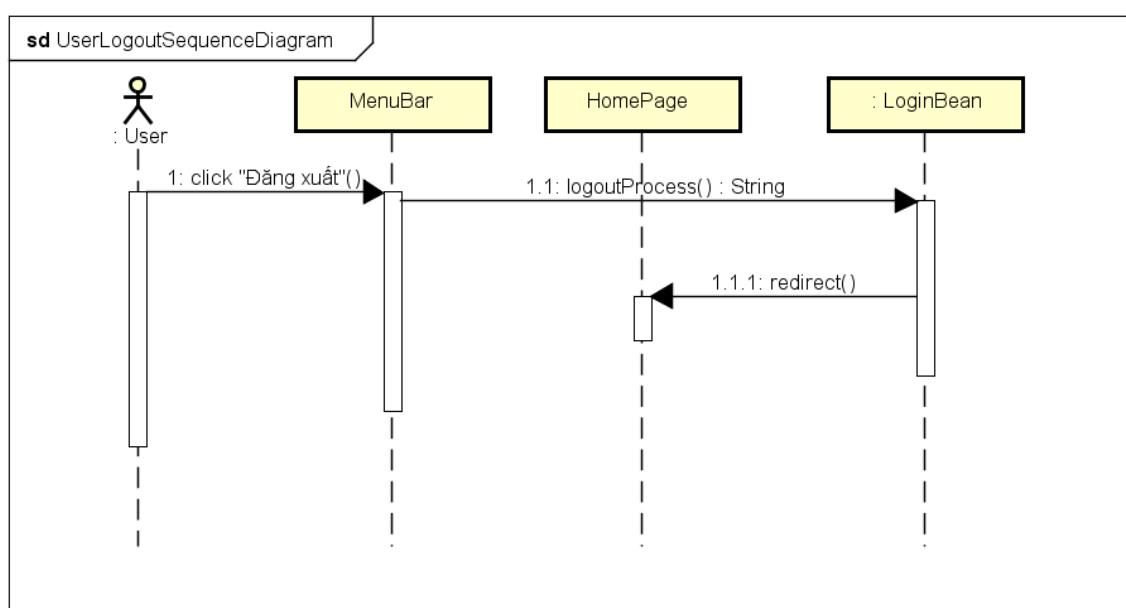
#### 4.2.2.29.2 Screen Design



**Figure 4.2-96 Logout**

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Đăng xuất	logout	commandLink			

#### 4.2.2.29.3 Sequence Diagram



**Figure 4.2-97 Logout Sequence Diagram**

#### 4.2.2.30 Admin view transaction history

##### 4.2.2.30.1 Class Diagram

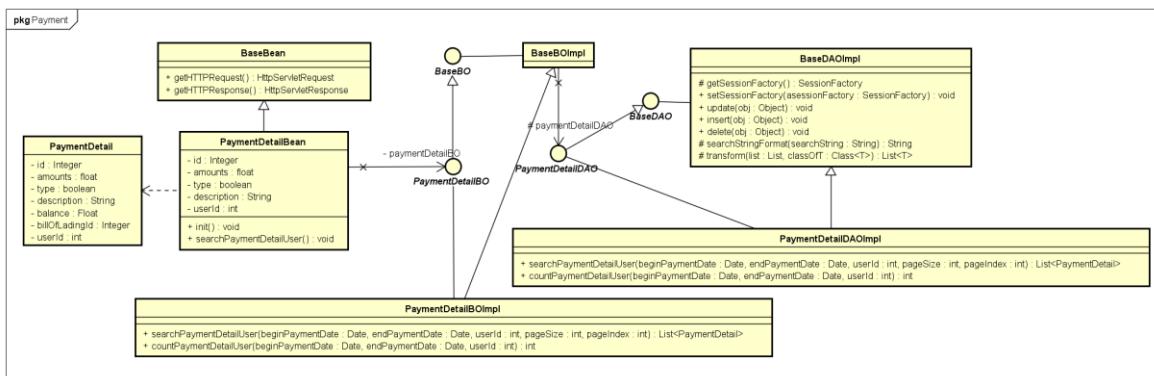


Figure 4.2-98 View Transaction History Class Diagram

##### 4.2.2.30.2 Screen Design

The screenshot shows a web application interface for viewing account information. The top navigation bar includes links for 'Thông tin tài khoản', 'BÁO GIÁ', 'TÌM HÀNG CHUYỂN', 'THỐNG KÊ VẬN ĐƠN', 'QUẢN LÝ NGƯỜI DÙNG', 'BÁO CÁO TỪ NGƯỜI DÙNG', and 'Đăng xuất'. The main content area is titled 'THÔNG TIN VỀ TÀI KHOẢN' and displays a table with account details: 'Tên người dùng' (admin), 'Số dư tài khoản' (50,000,000), and 'Tiền tệ' (VND). Below this is a section titled 'LIỆT KÊ GIAO ĐỊCH' with a search panel for 'Hỗ trợ tìm kiếm' (Search support) with fields for 'Ngày bắt đầu' and 'Ngày kết thúc', and a 'Tim kiếm' (Search) button. A table below shows transaction details with columns for 'Thời gian' (Time), 'Mô tả giao dịch' (Transaction description), 'Số tiền (VND)' (Amount (VND)), and 'Số dư (VND)' (Balance (VND)). The message 'Không có dữ liệu' (No data) is displayed. The bottom navigation bar includes 'LIÊN HỆ', 'THÔNG TIN', and 'DỊCH VỤ KHÁCH HÀNG'.

Figure 4.2-99 Payment Detail

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin về tài khoản	accountInformation	panelGrid	Yes		
2	Hỗ trợ tìm kiếm	searchPanel	panel	No		
3	Ngày bắt đầu	departureDate	calendar	No		
4	Ngày kết thúc	arrivalDate	calendar	No		
5	Tìm kiếm	search	commandButton			
6	Liệt kê giao dịch	tablePaymentDetail	dataTable			

#### 4.2.2.30.3 Sequence Diagram

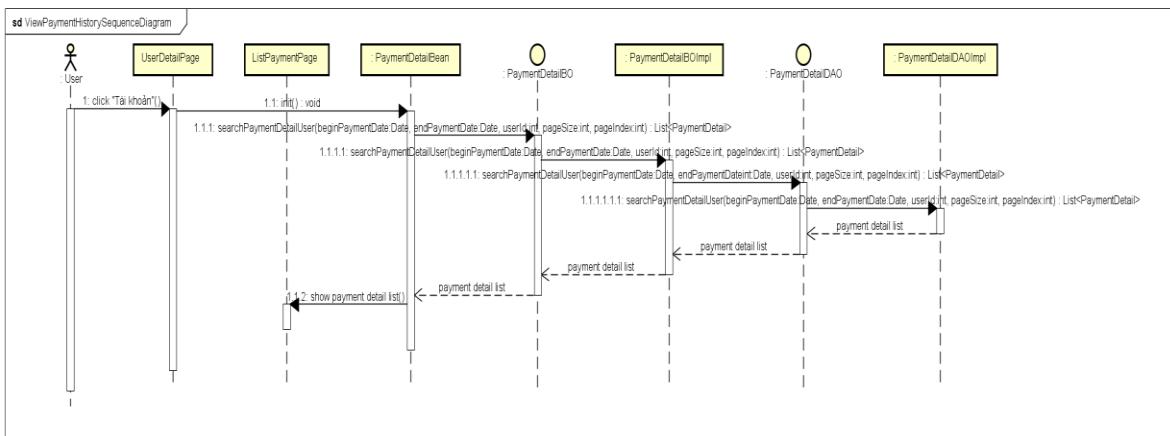


Figure 4.2-100 View Transaction History Sequence Diagram

#### 4.2.2.31 Admin view fee table history

##### 4.2.2.31.1 Class Diagram

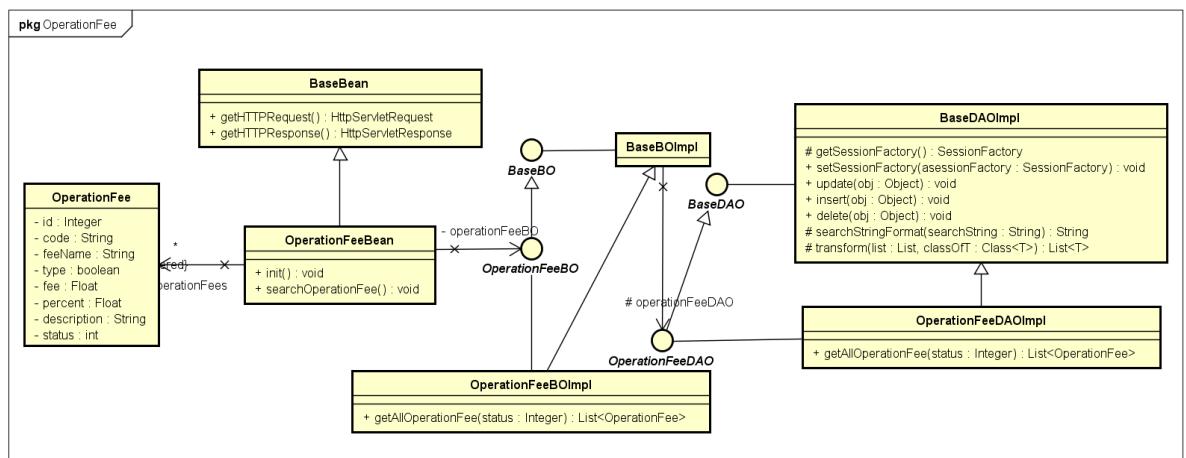


Figure 4.2-101 View Fee Table History Class Diagram

#### 4.2.2.31.2 Screen Design

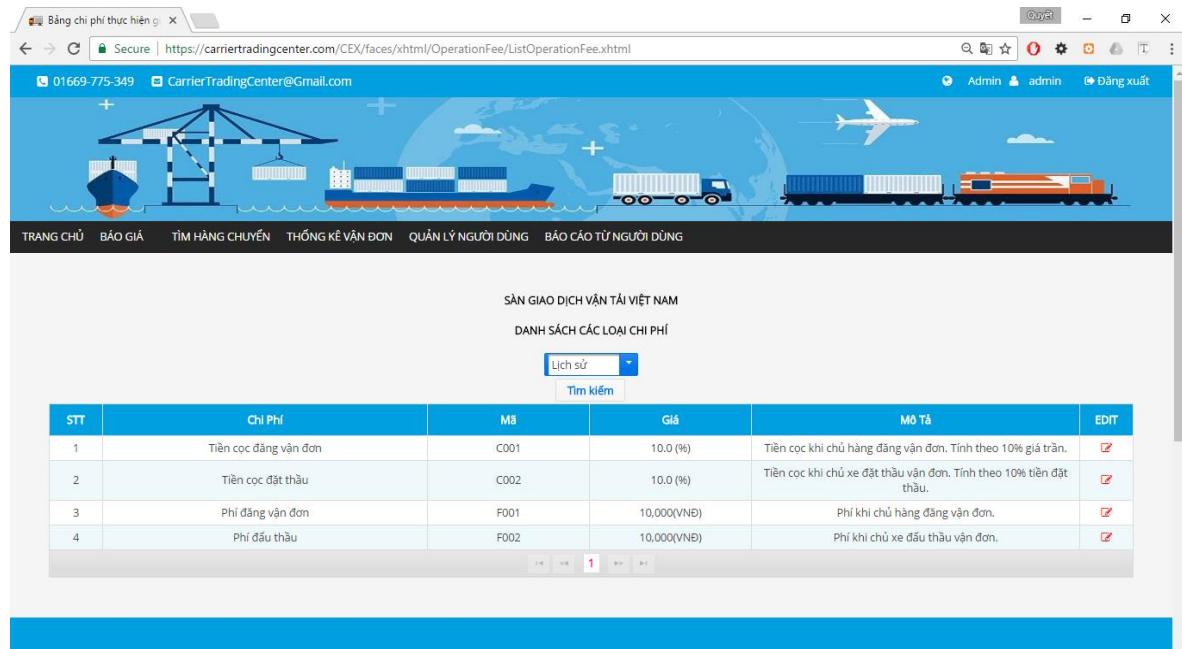


Figure 4.2-102 History Fee

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Search condition		selectOneMenu			
2	Tìm kiếm	search	commandButton			
3	Danh sách các loại chi phí	feeDataTable	dataTable			

#### 4.2.2.31.3 Sequence Diagram

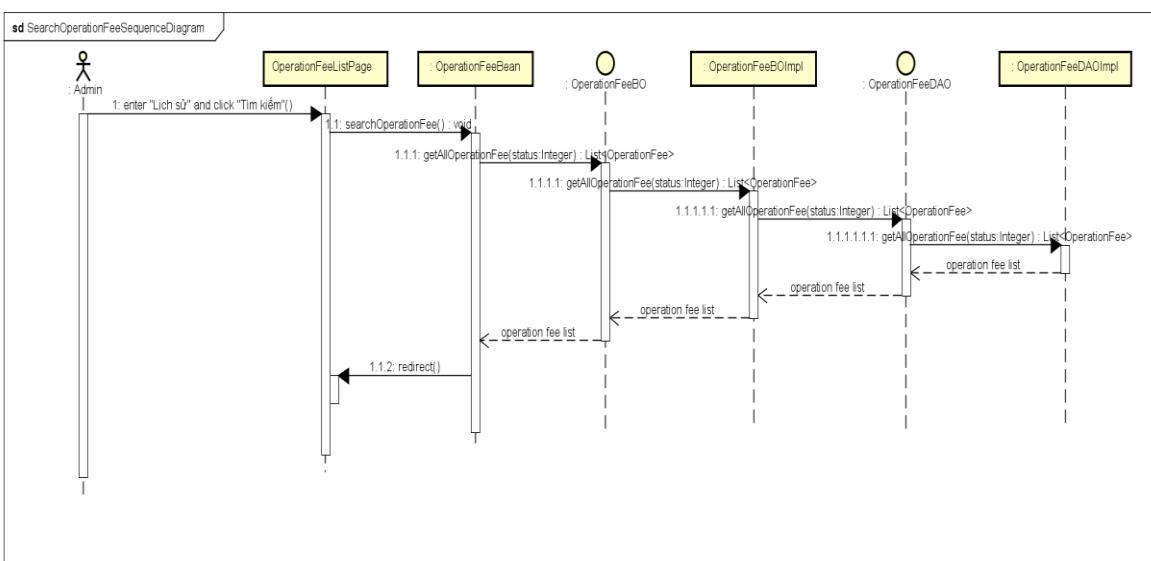


Figure 4.2-103 History fee Sequence Diagram

#### 4.2.2.32 Admin recharge for user

##### 4.2.2.32.1 Class Diagram

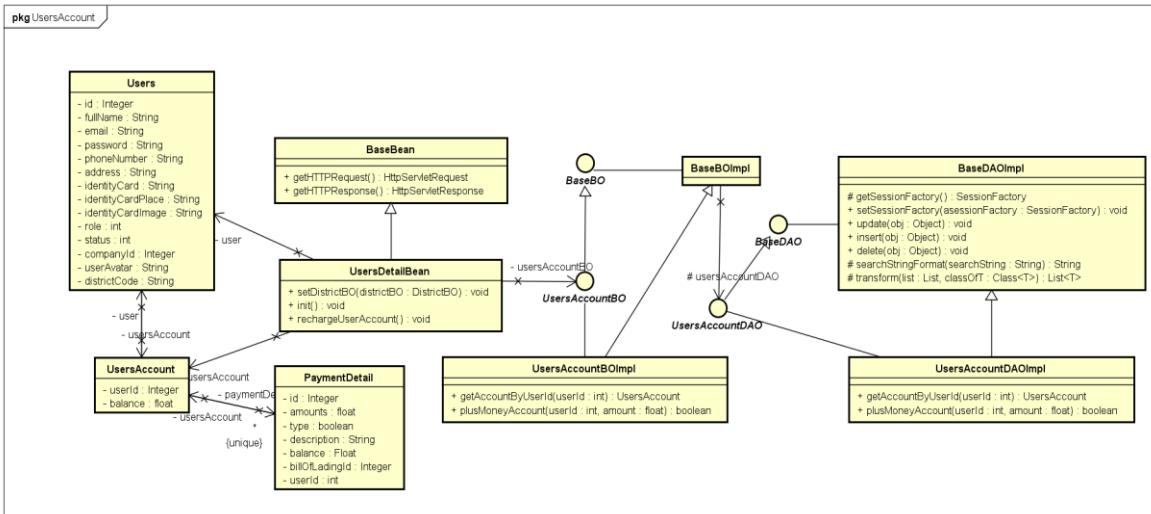


Figure 4.2-104 Account Recharge Class Diagram

##### 4.2.2.32.2 Screen Design

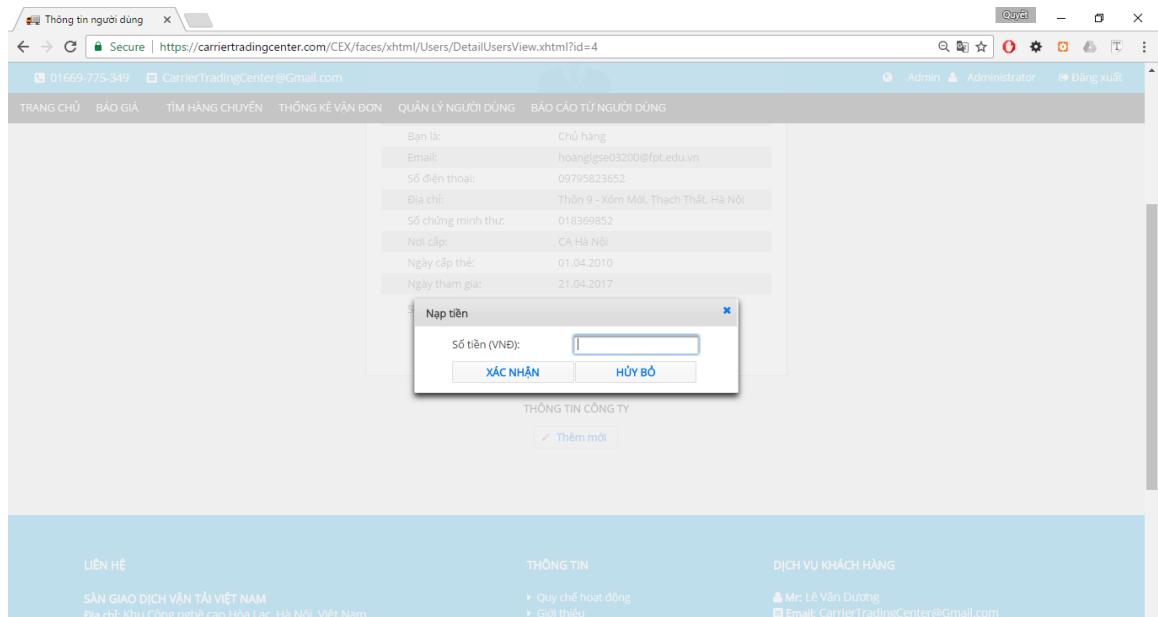


Figure 4.2-105 Recharger Account

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Số tiền(VND)	amount	inputText			
2	Xác nhận	confirm	commandButton			
3	Hủy bỏ	cancel	commandButton			

#### 4.2.2.32.3 Sequence Diagram

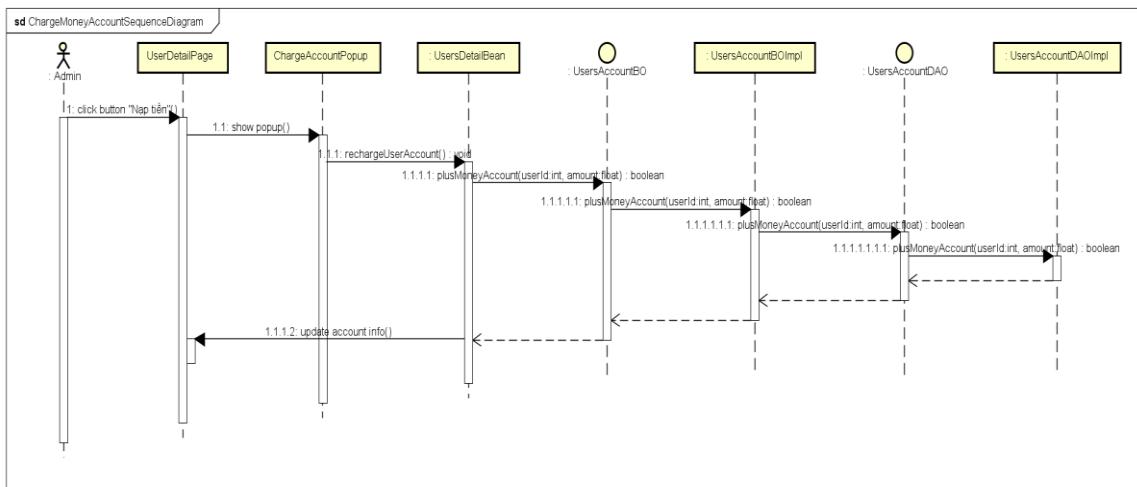


Figure 4.2-106 Recharge Account Sequence Diagram

#### 4.2.2.33 Admin reference fee

##### 4.2.2.33.1 Class Diagram

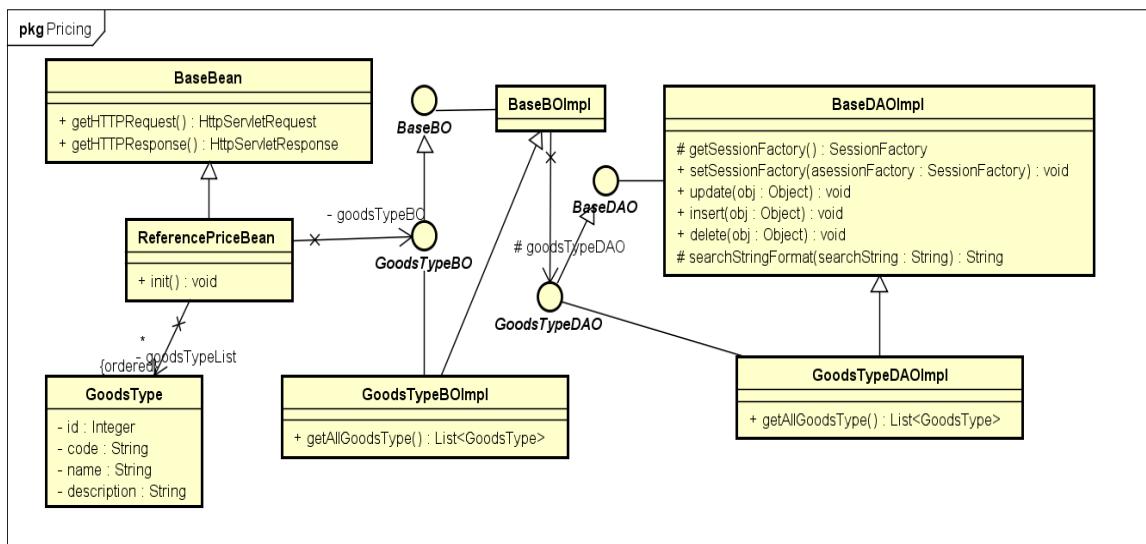


Figure 4.2-107 View Reference Fee Class Diagram

#### 4.2.2.33.2 Screen Design

BẢNG GIÁ THAM CHIỀU CHI PHÍ VẬN CHUYỂN

STT	Loại hàng	Khối lượng	Quãng đường	Giá tham chiếu (VNĐ)
1	Bàn-ghế-giường-tủ	100 (kg)	10 (km)	10,000
2	Đồ uống	100 (kg)	10 (km)	10,000
3	Động vật	100 (kg)	10 (km)	10,000
4	Hàng điện tử	100 (kg)	10 (km)	10,000
5	Hóa chất	100 (kg)	10 (km)	10,000
6	Hoa quả	100 (kg)	10 (km)	10,000
7	Kim loại - nguyên liệu	100 (kg)	10 (km)	10,000
8	Máy móc - cơ khí	100 (kg)	10 (km)	10,000
9	Sức khỏe - làm đẹp	100 (kg)	10 (km)	10,000
10	Thể thao	100 (kg)	10 (km)	10,000
11	Thực phẩm khô	100 (kg)	10 (km)	10,000
12	Thực phẩm tươi	100 (kg)	10 (km)	10,000
13	Văn phòng phẩm	100 (kg)	10 (km)	10,000
14	Vật liệu xây dựng	100 (kg)	10 (km)	10,000

Dưới đây là bảng giá cước tham khảo theo mặt bằng chung của các đơn vị vận tải hàng hóa tham gia trên hệ thống sàn giao dịch vận tải.

Figure 4.2-108 Reference Fee (part 1)

Bảng giá cước vận chuyển hàng hóa đường bộ từ TP.HCM đi các tỉnh

H.C.M	Từ 100 kg	Từ 500 - 1.000 kg	Từ 1.000 - 2.5 tấn	Từ 2.5 tấn đến 5 tấn	Từ 5 tấn đến 10 tấn	Từ 10 tấn đến 20 tấn	Từ 20 tấn đến 20 tấn	Từ 20 tấn đến 20 tấn	Ghi chú
Cần Thơ	650	600	550	500	450	380	300	225.000	165.000
Vũng Tàu	650	600	550	500	450	380	300	225.000	165.000
Tiền Giang	850	600	600	550	500	380	300	225.000	165.000
Vĩnh Long	850	600	600	550	500	380	300	225.000	165.000
Nhà Trang	1.500	1.000	850	800	750	700	650	270.000	225.000
Gia Lai	1.500	1.000	850	800	750	700	650	270.000	225.000
An Giang	1.500	1.000	850	800	750	700	650	270.000	225.000
Bình Thuận	1.500	1.000	850	800	750	700	650	270.000	225.000
Ninh Thuận	1.500	1.000	850	800	750	700	650	270.000	225.000
Cà Mau	1.500	1.000	850	800	750	750	750	320.000	270.000
Kiên Giang	1.500	1.000	850	800	750	750	750	320.000	270.000
Bến Lิên	1.500	1.000	850	800	750	750	750	320.000	270.000
Sóc Trăng	1.500	1.000	850	800	750	750	750	320.000	270.000
Đà Lạt	1.500	1.000	850	800	750	750	750	320.000	270.000

Bảng giá cước vận chuyển hàng hóa đường bộ từ Hà Nội đi các tỉnh

HÀ NỘI	500 – 1.000 (Kg)	1.000 – 2.500 (Kg)	2.500 trở lên (Kg)	5.000 – 10.000 (Kg)	10.000 (Kg) trở lên
Hải Phòng	1100	800	600	500	350
Lai Châu	3300	2800	2.300	2.100	1.900
Điện Biên	4.000	3.000	2.500	2.300	2.100
Sơn La	3.000	2.500	1.900	1.700	1.500
Hòa Bình	1.100	800	600	500	400
Hà Giang	2.000	1.700	1.500	1.300	1.200
Cao Bằng	2.000	1.700	1.500	1.300	1.200
Tan Cát	2.000	1.700	1.500	1.300	1.200

Figure 4.2-109 Reference Fee (part 2)

Figure 4.2-110 Reference Fee (part 3)

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Bảng giá tham chiếu chi phí vận chuyển	goodsTypeList	dataTable			
2	Bảng giá cước vận chuyển hàng hóa đường bộ từ TP.HCM đi các tỉnh		graphicImage			
3	Bảng giá cước vận chuyển hàng hóa đường bộ từ Hà Nội đi các tỉnh		graphicImage			

#### 4.2.2.33.3 Sequence Diagram

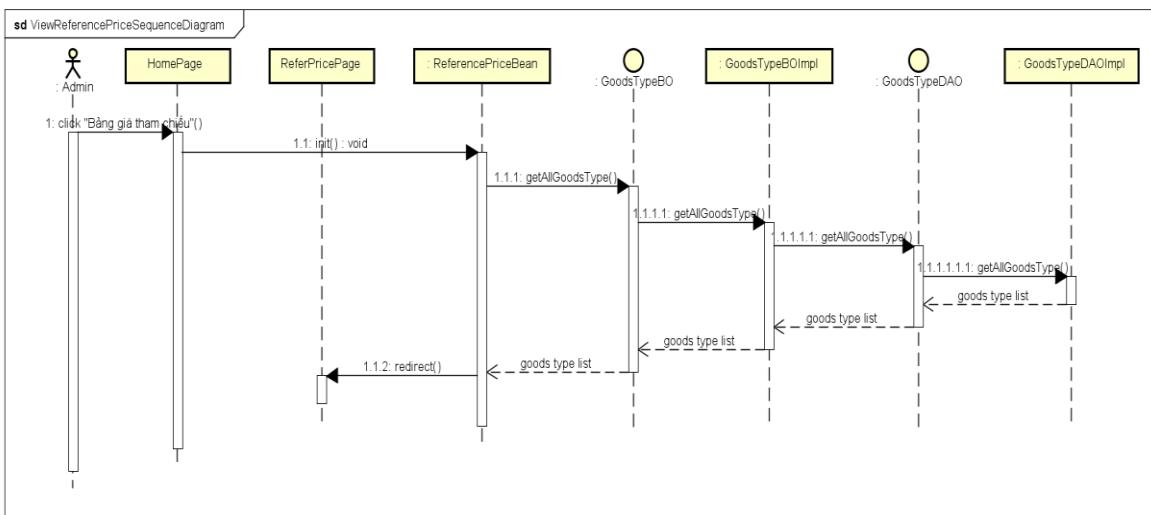


Figure 4.2-111 View Reference Fee Sequence Diagram

#### 4.2.2.34 Admin view profile

##### 4.2.2.34.1 Class Diagram

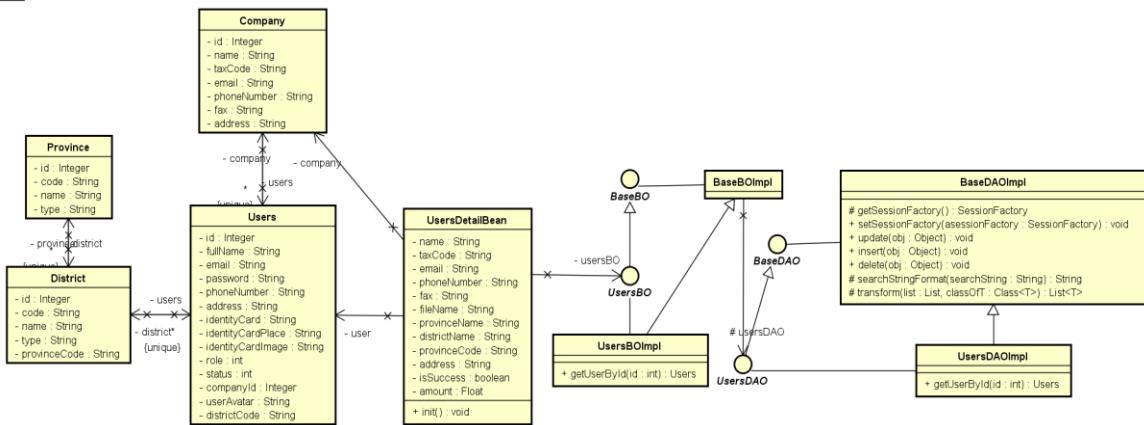


Figure 4.2-112 View Profile Class Diagram

##### 4.2.2.34.2 Screen Design

###### 4.2.2.34.2.1 Case does not Exist Company Information

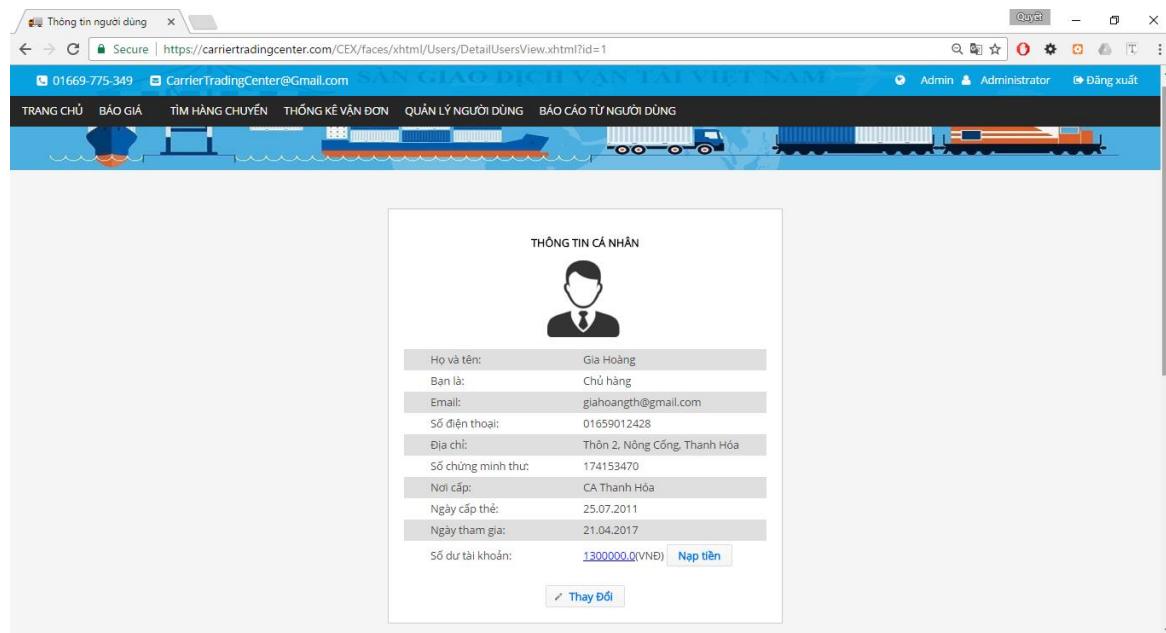


Figure 4.2-113 User Profile (part 1)

THÔNG TIN CÔNG TY

[Thêm mới](#)

**LIÊN HỆ**

**SÀN GIAO DỊCH VẬN TẢI VIỆT NAM**  
 Địa chỉ: Khu Công nghệ cao Hòa Lạc, Hà Nội, Việt Nam.  
 Điện thoại: (+84-4)-8888 8888 - Fax: (+84-4)-9999 9999  
 Email: ADMIN@CarrierTradingCenter.Com  
 Được xây dựng và phát triển bởi Nhóm SV ĐH FPT www.fpt.edu.vn

**THÔNG TIN**

► Quy chế hoạt động  
 ► Giới thiệu

**DỊCH VỤ KHÁCH HÀNG**

► Mr: Lê Văn Dương  
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 ► Fax: (+84-4)-9999 9999

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 Khu Công nghệ cao Hòa Lạc, KM 29 Đại lộ Thăng Long, Hà  
 Nội, Việt Nam.

BẢO MẬT | ĐIỀU KHOẢN SỬ DỤNG

[f](#) [g+](#) [s](#)

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin cá nhân	userDeatilInformation	panelGrid	Yes		
2	Thông tin công ty	companyInformation	panelGrid	No		
	Thay đổi		commandButton			
	Thêm thông tin công ty.		commandButton			

## 4.2.2.34.2.2 Case Exist Company Information

THÔNG TIN CÁ NHÂN

Họ và tên: Vũ Văn Quyết  
 Bạn là: Chủ xe  
 Email: quyettvse03344@gmail.com  
 Số điện thoại: 0912563652  
 Địa chỉ: sống công, Sống Công, Thái Nguyên  
 Số chứng minh thư: 091236563  
 Nơi cấp: sống công  
 Ngày cấp thẻ: 11.04.2011  
 Ngày tham gia: 21.04.2017  
 Số dư tài khoản: 1790000.0(VND) [Nạp tiền](#)

[Thay đổi](#)

Figure 4.2-114 Profile (part 1)

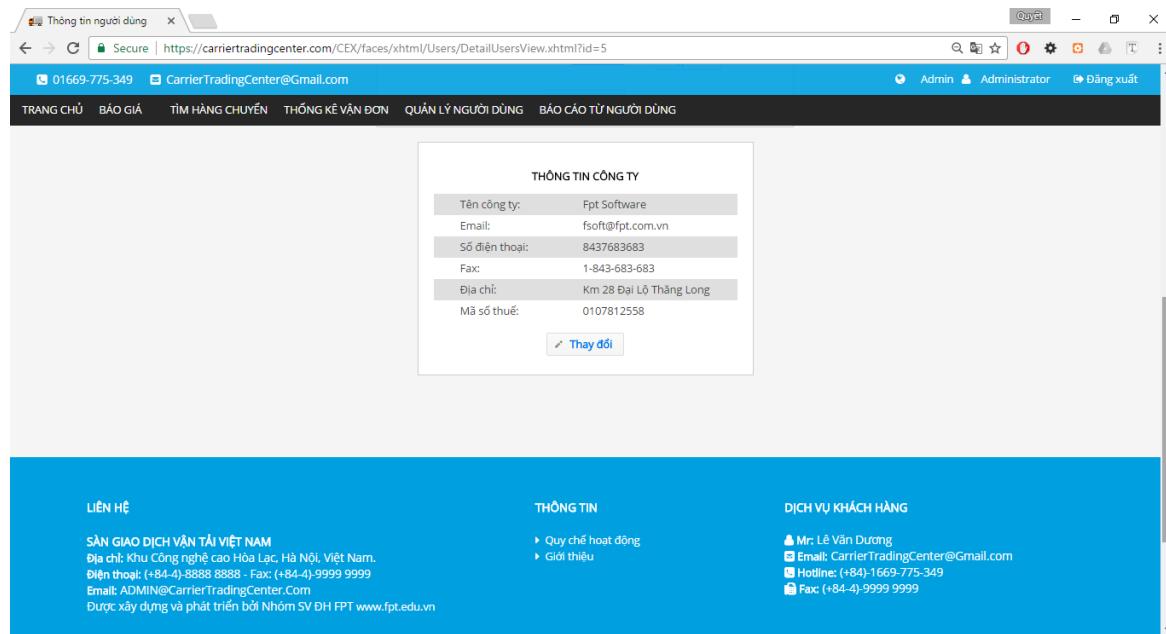


Figure 4.2-115 Profile (part 2)

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin cá nhân	userDeatilInformation	panelGrid	Yes		
2	Thông tin công ty	companyInformation	panelGrid	No		
3	Thay đổi		commandButton			
4	Thay đổi		commandButton			

#### 4.2.2.34.3 Sequence Diagram

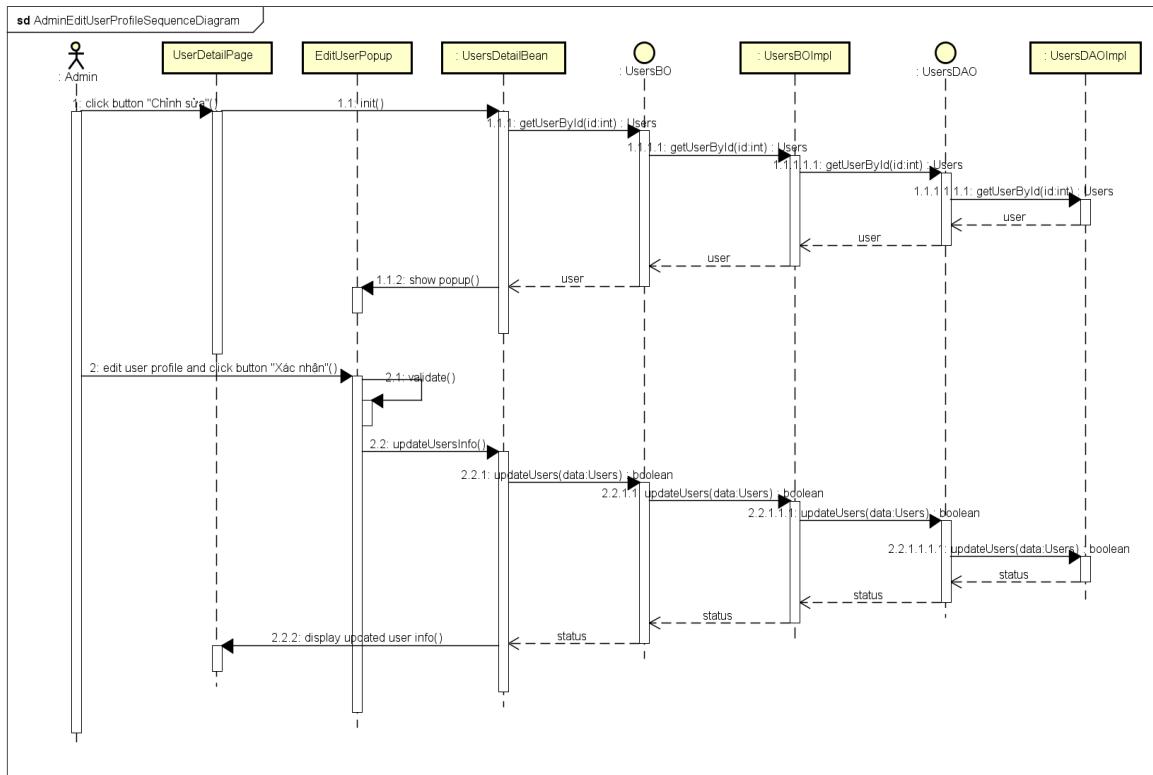


Figure 4.2-116 User Profile Sequence Diagram

#### 4.2.2.34.4 Screen Design

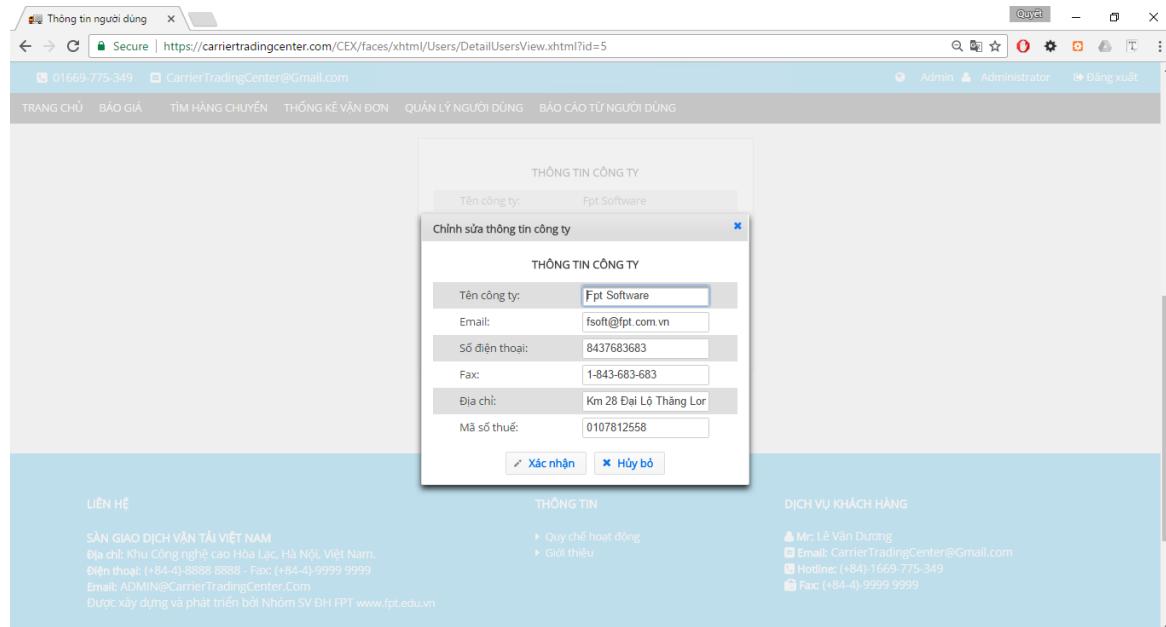
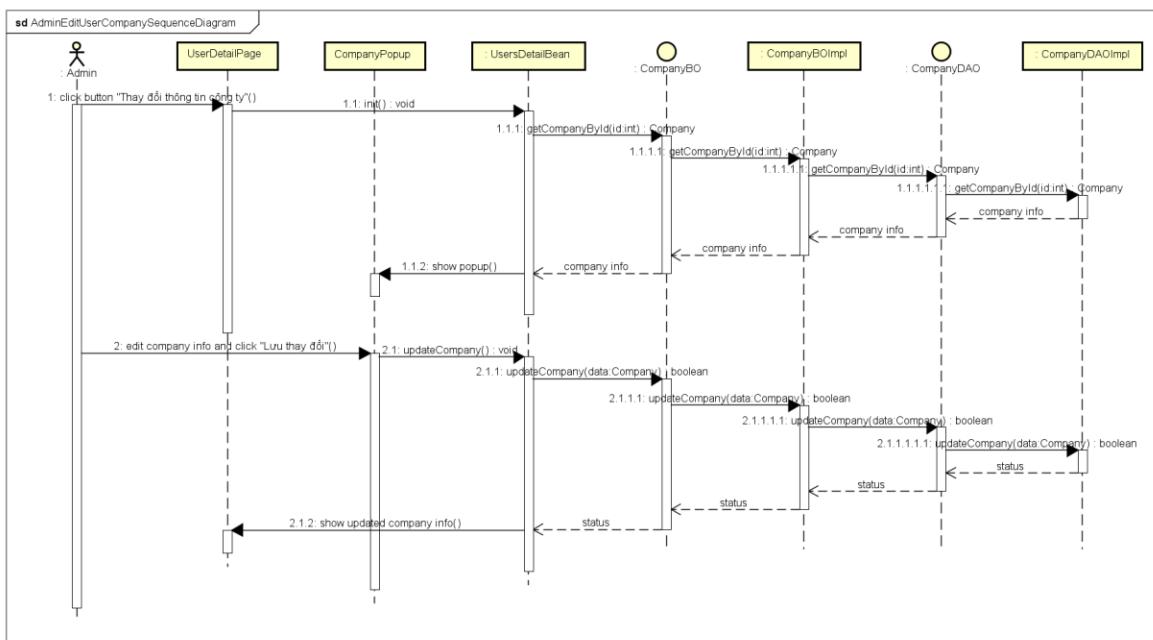


Figure 4.2-117 Edit Company Information's

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin	companyInformation	panelGrid			

	công ty					
2	Tên công ty	comapnyName	inputText		100	
3	Email	email	inputText		50	
4	Số điện thoại	phoneNumber	inputText		11	
5	Fax	fax	inputText		20	
6	Địa chỉ	address	inputText		100	
7	Mã số thuế	taxCode	inputText		20	
8	Lưu thay đổi	confirm	commandButton			
9	Hủy bỏ	cancel	commandButton			

#### 4.2.2.34.5 Sequence Diagram



**Figure 4.2-118 Edit Company Information's Sequence Diagram**

#### 4.2.2.35 Admin add company information

#### 4.2.2.35.1 Class Diagram

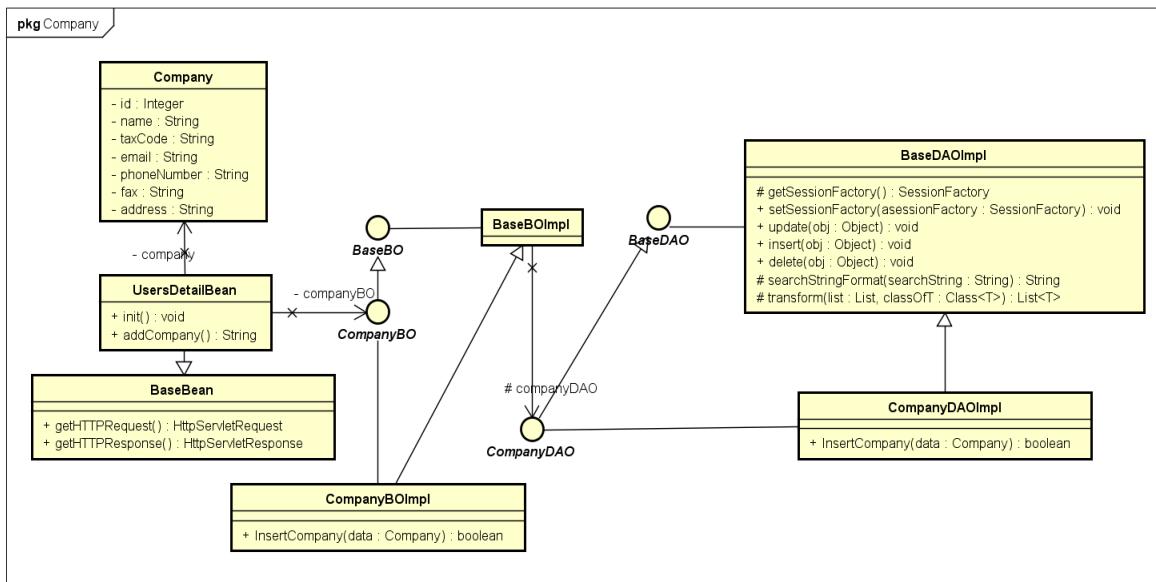
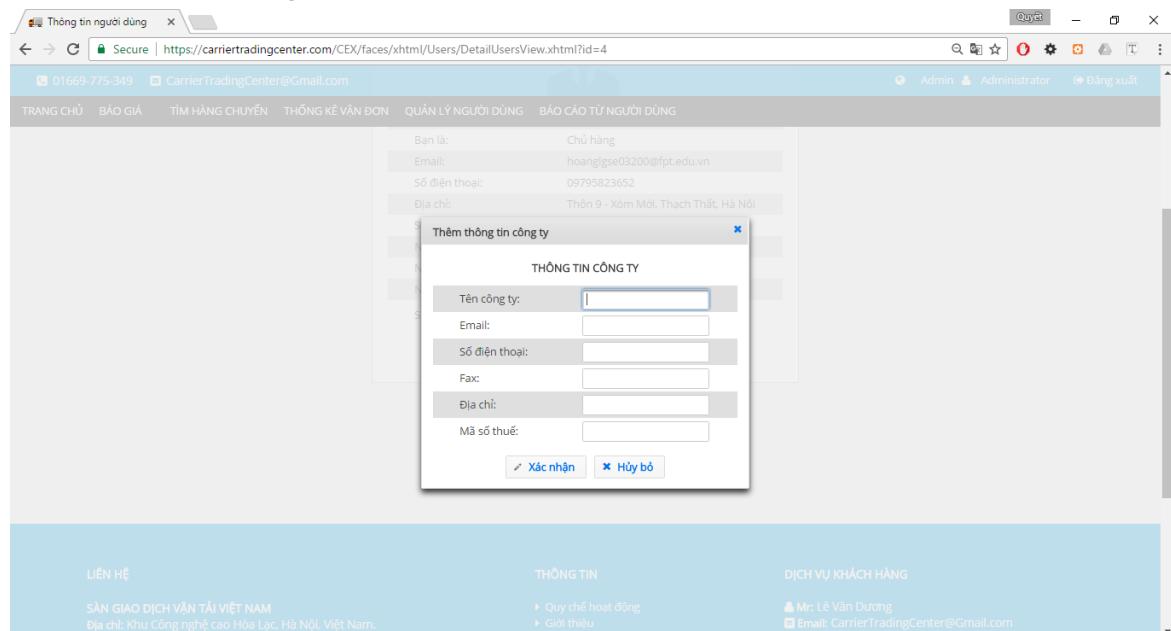


Figure 4.2-119

#### 4.2.2.35.2 Screen Design



**Figure 4.2-120 Add Company Class Diagram**

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin công ty	companyInformation	panelGrid			
2	Tên công ty	comapnyName	inputText		100	
3	Email	email	inputText		50	
4	Số điện thoại	phoneNumber	inputText		11	

5	Fax	fax	inputText		20	
6	Địa chỉ	address	inputText		100	
7	Mã số thuế	taxCode	inputText		20	
8	Lưu thay đổi	confirm	commandButton			
9	Hủy bỏ	cancel	commandButton			

#### 4.2.2.35.3 Sequence Diagram

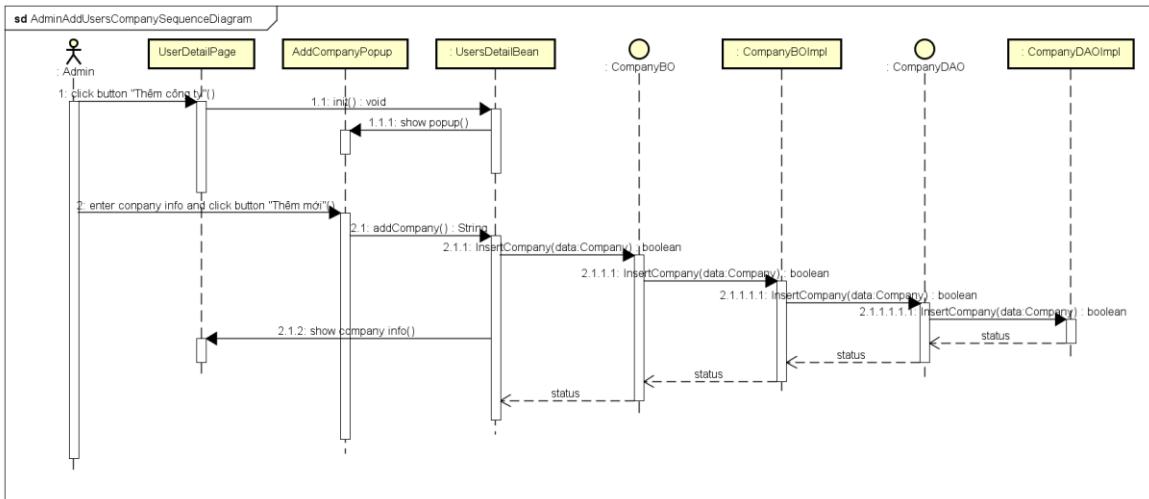


Figure 4.2-121 Add Company Sequence Diagram

#### 4.2.2.36 Admin edit company information

##### 4.2.2.36.1 Class Diagram

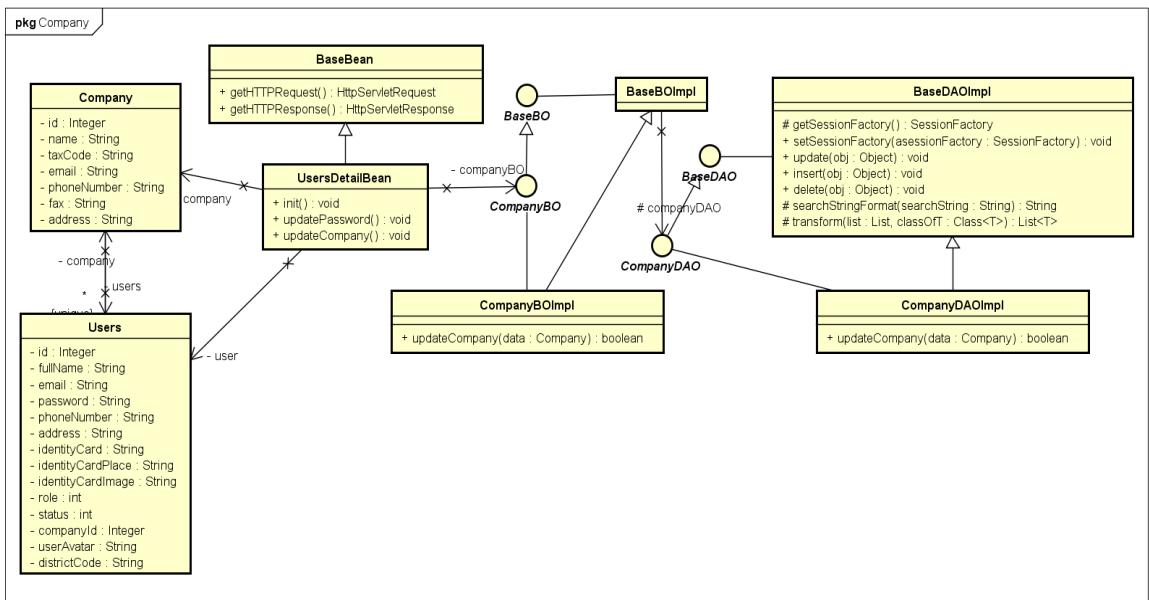


Figure 4.2-122 Edit Company Information's Class Diagram

## 4.2.2.36.2 Screen Design

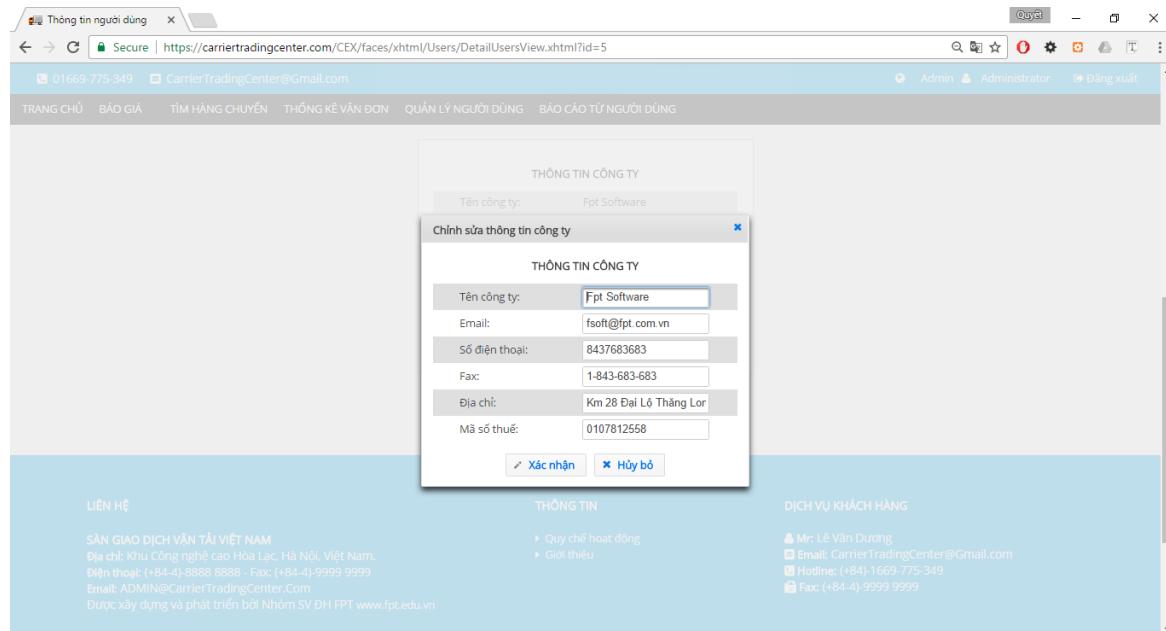
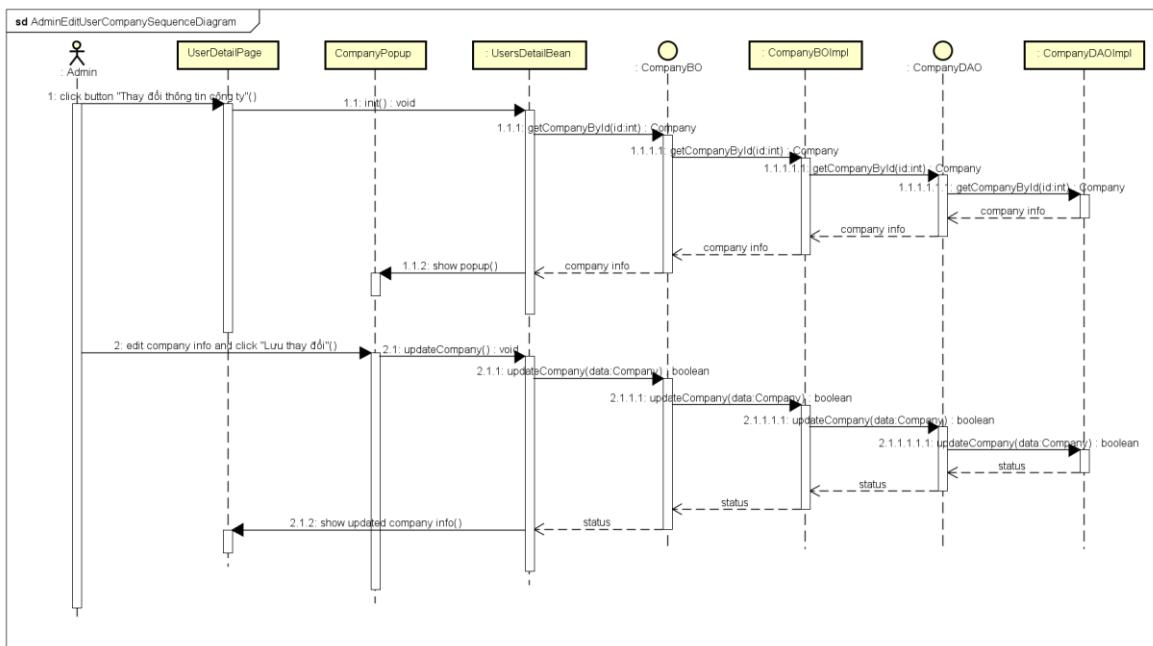


Figure 4.2-123 Edit Company Information's

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin công ty	companyInformation	panelGrid			
2	Tên công ty	comapnyName	inputText		100	
3	Email	email	inputText		50	
4	Số điện thoại	phoneNumber	inputText		11	
5	Fax	fax	inputText		20	
6	Địa chỉ	address	inputText		100	
7	Mã số thuế	taxCode	inputText		20	
8	Lưu thay đổi	confirm	commandButton			
9	Hủy bỏ	cancel	commandButton			

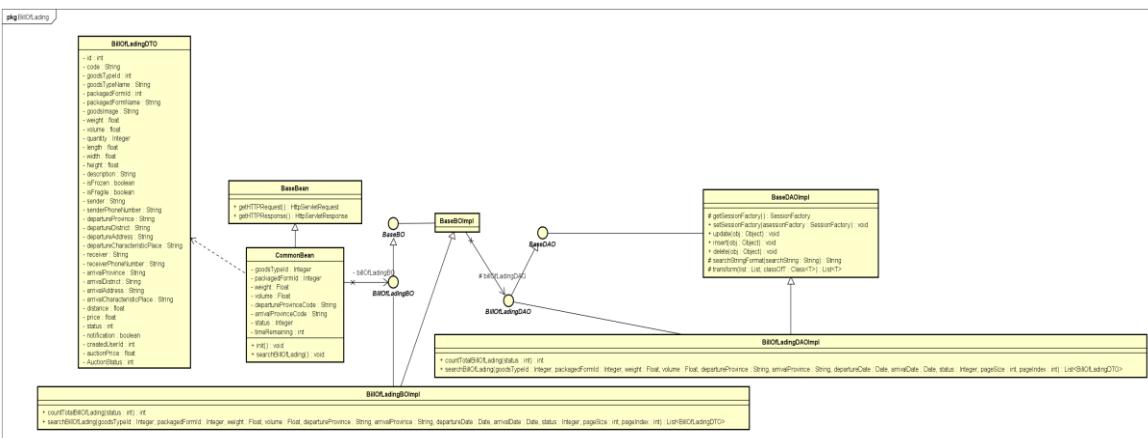
### 4.2.2.36.3 Sequence Diagram



**Figure 4.2-124 Edit Company Information's Sequence Diagram**

#### 4.2.2.37 Goods owner view list bill of lading

#### 4.2.2.37.1 Class Diagram



**Figure 4.2-125 Goods Owner View List Bills of Lading**

## 4.2.2.37.2 Screen Design

STT	Hình ảnh	Loại hàng	Hình thức đóng gói	Lộ trình	Khối lượng	Thể tích	Thời gian còn lại	Giá tham chiếu	XEM
1		Đồ uống	Thùng cát tông	Sơn Động, Bắc Giang - Tiên Hải, Thái Bình 04.05.2017 22:30:33 - 19.05.2017 22:30:33	12000.0 (kg)	100.0 (m³)	19 ngày	50,000,000 (VNĐ)	
2		Động vật	Thùng gỗ	Kim Bảng, Hà Nam - Đăk Đoa, Gia Lai 05.05.2017 22:30:33 - 19.05.2017 22:30:33	21000.0 (kg)	200.0 (m³)	21 ngày	20,000,000 (VNĐ)	
3		Hàng điện tử	Cuộn	Kim Bảng, Hà Nam - Đăk Đoa, Hà Nội 05.05.2017 22:30:33 - 20.05.2017 22:30:33	3200.0 (kg)	100.0 (m³)	19 ngày	20,000,000 (VNĐ)	

Figure 4.2-126 List Bills of Lading

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Loại Hàng	goodTypeId	selectOneMenu	No		
2	Hình thức đóng gói	packageFormId	selectOneMenu	No		
3	Khối lượng	weight	inputText	No		
4	Thể tích	volume	inputText	No		
5	Địa điểm đi	slbDepartureProvinceID	selectOneMenu	No		
6	Địa điểm đến	slbArrivalProvinceID	selectOneMenu	No		
7	Thời gian đi	departureDate	calendar	No		
8	Thời gian đến	arrivalDate	calendar	No		
9	Tìm kiếm	search	commandButton			
10	Danh sách đơn hàng	table_billloflading	dataTable			

#### 4.2.2.37.3 Sequence Diagram

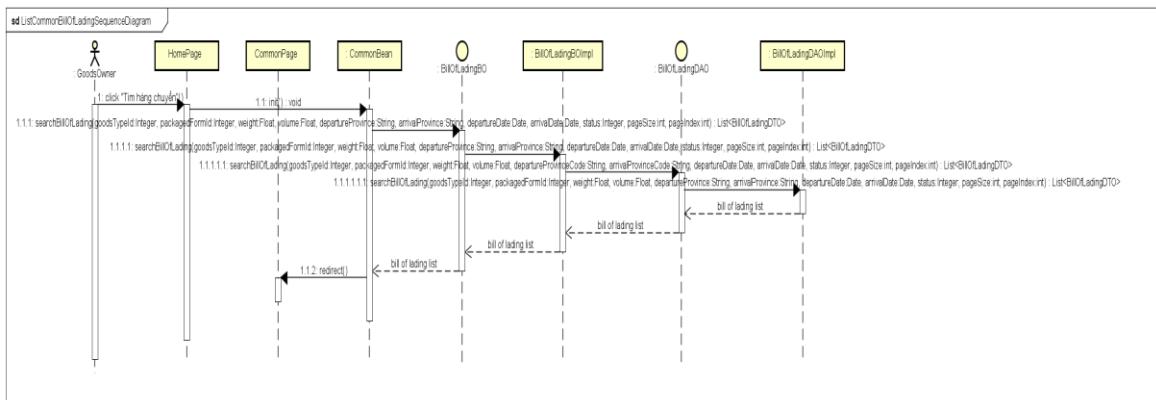


Figure 4.2-127 List Bill of Lading Sequence Diagram

#### 4.2.2.38 Goods owner view detail bill of lading

##### 4.2.2.38.1 Class Diagram

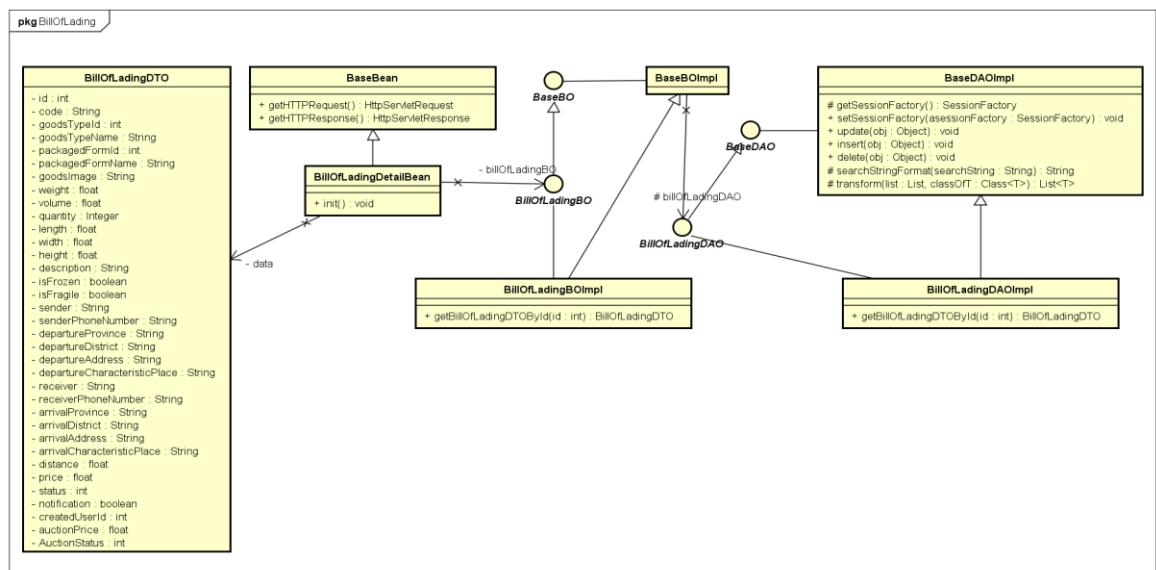


Figure 4.2-128 Detail Bills of Lading

#### 4.2.2.38.2 Screen Design

##### 4.2.2.38.2.1 Owned

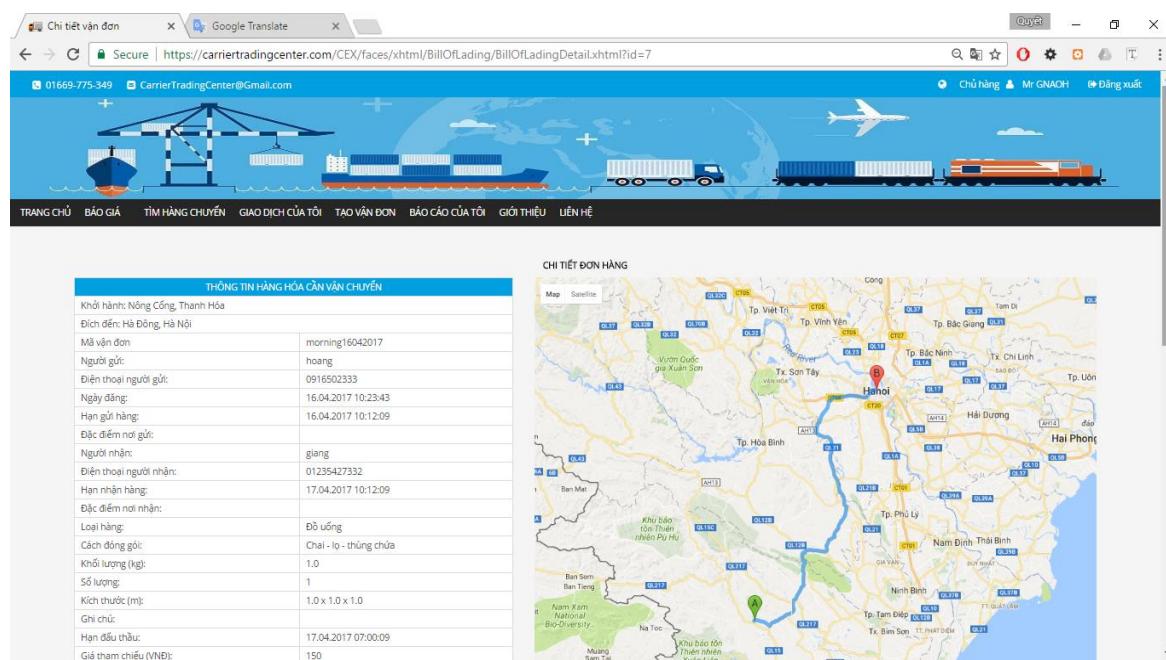


Figure 4.2-129 Detail Bills of Lading (part 1)

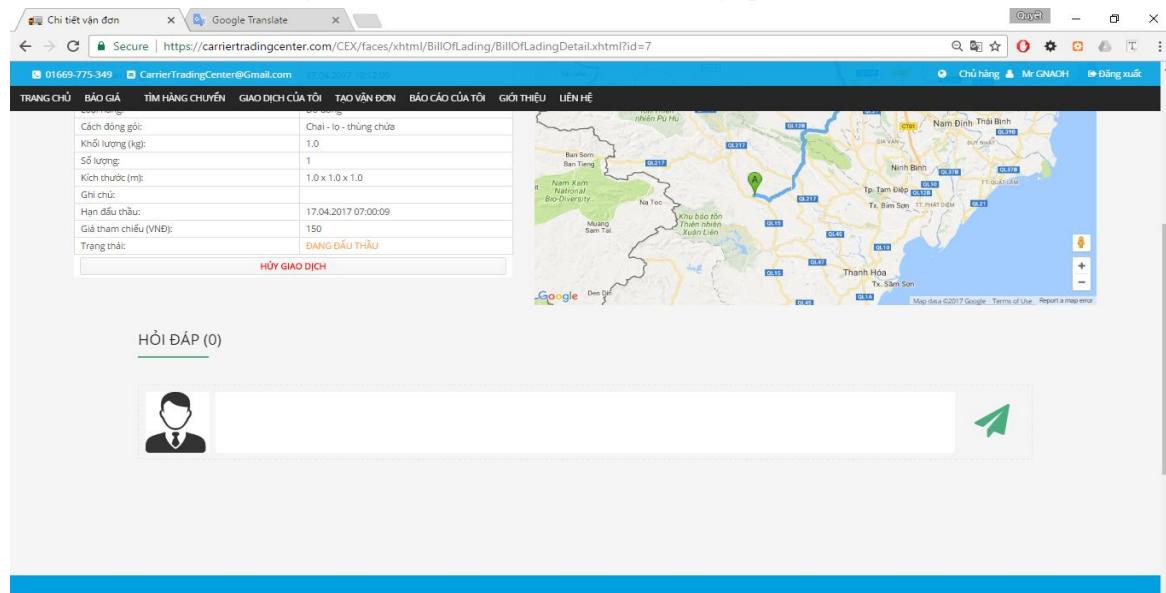


Figure 4.2-130 Detail Bills of Lading (part 2)

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin hàng hóa cẩm vận chuyển	goodInformation	selectOneMenu			
2	Google Map	map	javaScript			
3	Hủy giao dịch	cancelBillOfLading	commandButton			

4	Hỏi đáp		panelGroup			
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#### 4.2.2.38.2.2 Other

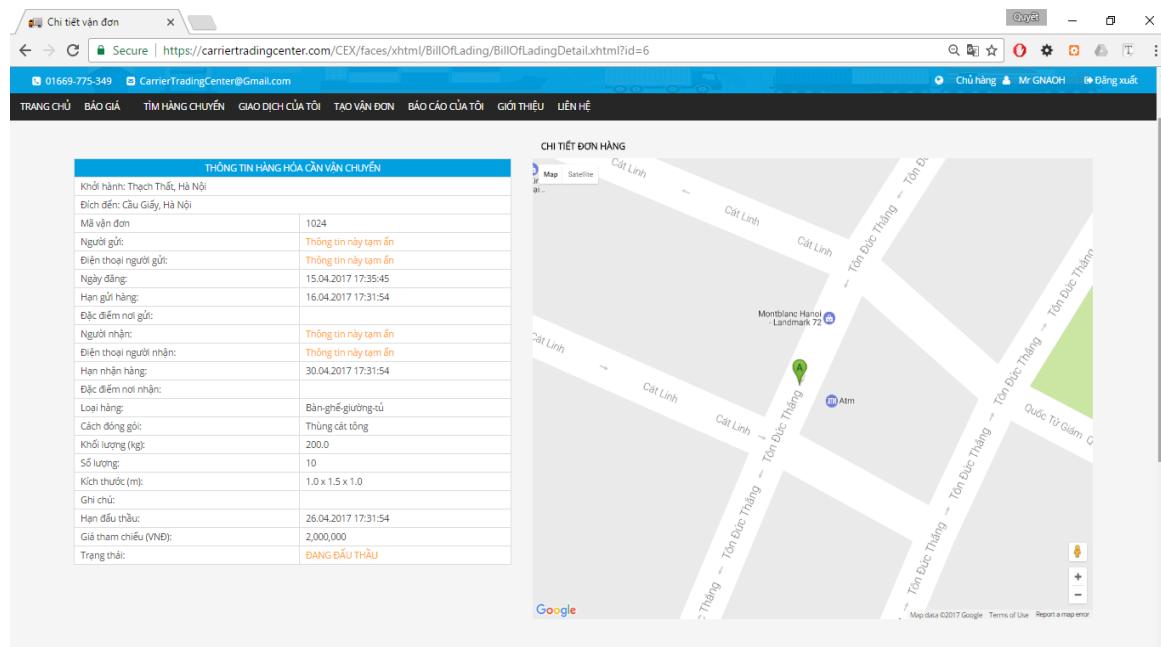


Figure 4.2-131 Detail Bills of Lading

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin hàng hóa cần vận chuyển	goodInformation	selectOneMenu			
2	Google Map	map	javaScript			

#### 4.2.2.38.3 Sequence Diagram

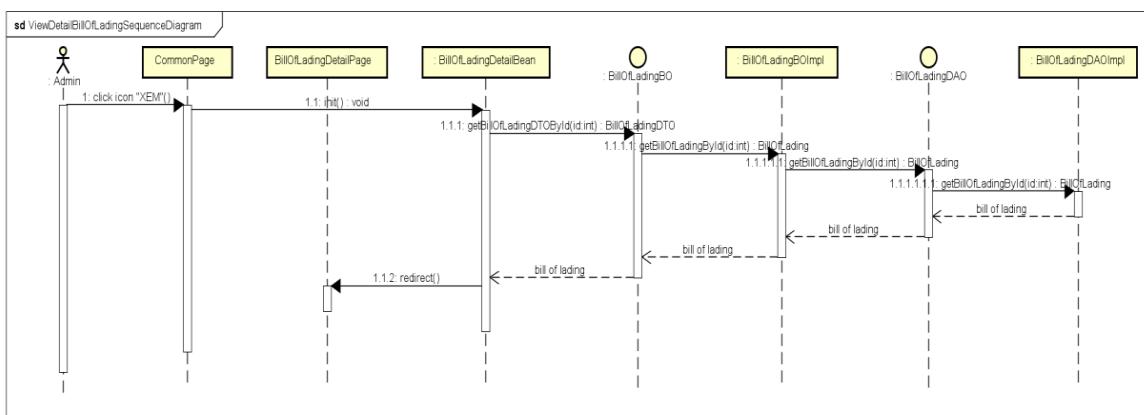


Figure 4.2-132 Detail Bills of Lading Sequence Diagram

#### 4.2.2.39 Goods owner search bill of lading

##### 4.2.2.39.1 Class Diagram

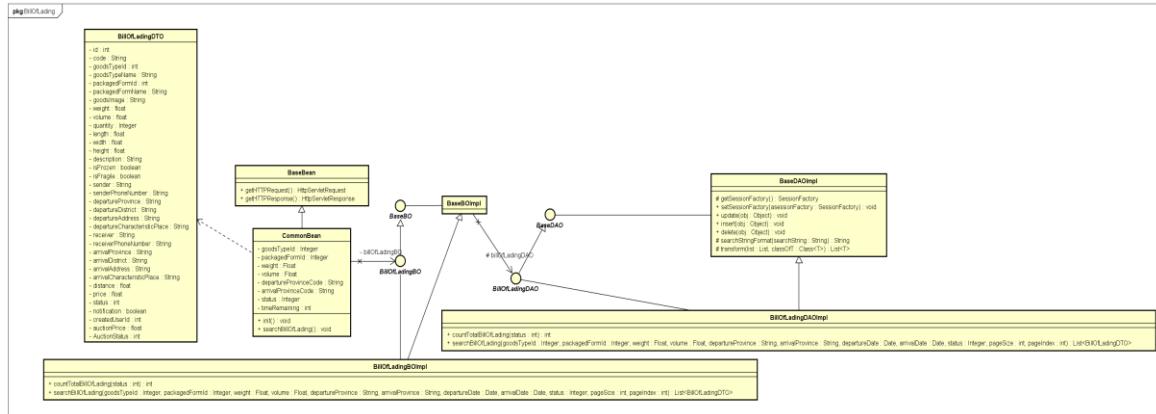


Figure 4.2-133 Search Bill of Lading class Diagram

##### 4.2.2.39.2 Screen Design

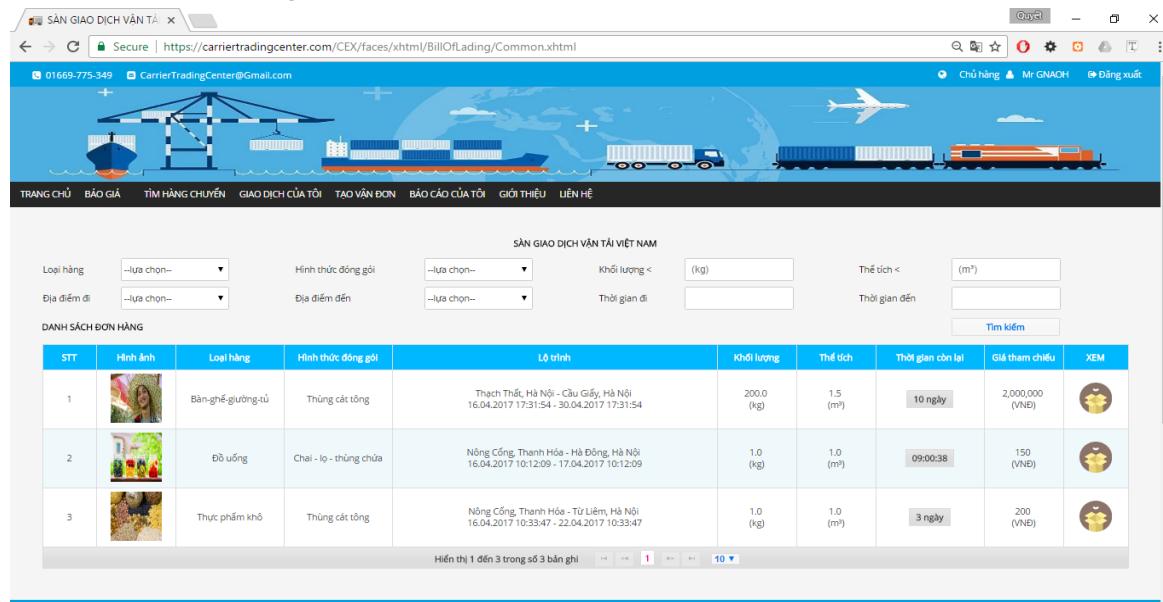


Figure 4.2-134 Search Bills of Lading

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Loại Hàng	goodTypeId	selectOneMenu	No		
2	Hình thức đóng gói	packageFormId	selectOneMenu	No		
3	Khối lượng	weight	inputText	No		
4	Thể tích	volume	inputText	No		
5	Địa điểm đi	slbDepartureProvinceID	selectOneMenu	No		
6	Địa điểm đến	slbArrivalProvinceID	selectOneMenu	No		

7	Thời gian đi	departureDate	calendar	No		
8	Thời gian đến	arrivalDate	calendar	No		
9	Tìm kiếm	search	commandButton			
10	Danh sách đơn hàng	table_billoflading	dataTable			

#### 4.2.2.39.3 Sequence Diagram

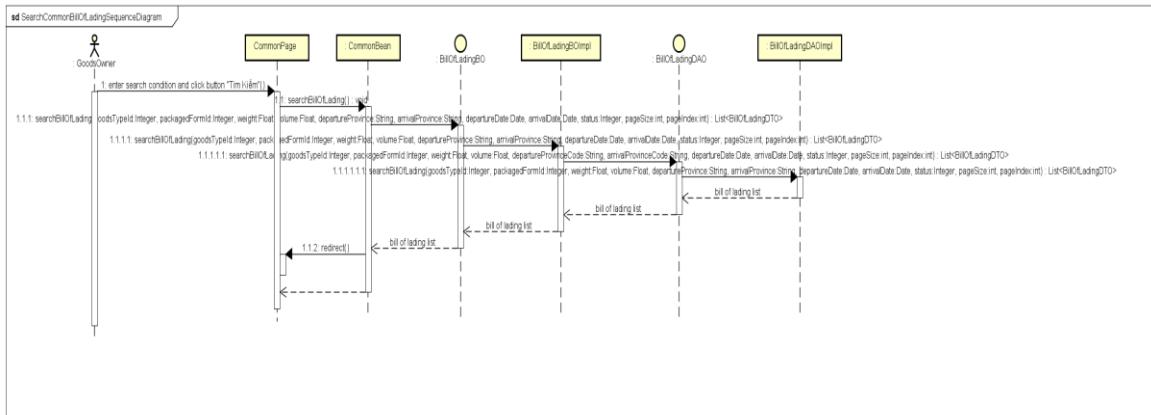


Figure 4.2-135 Search Bill of Lading Sequence Diagram

#### 4.2.2.40 Goods owner view carrier auction success

##### 4.2.2.40.1 Class Diagram

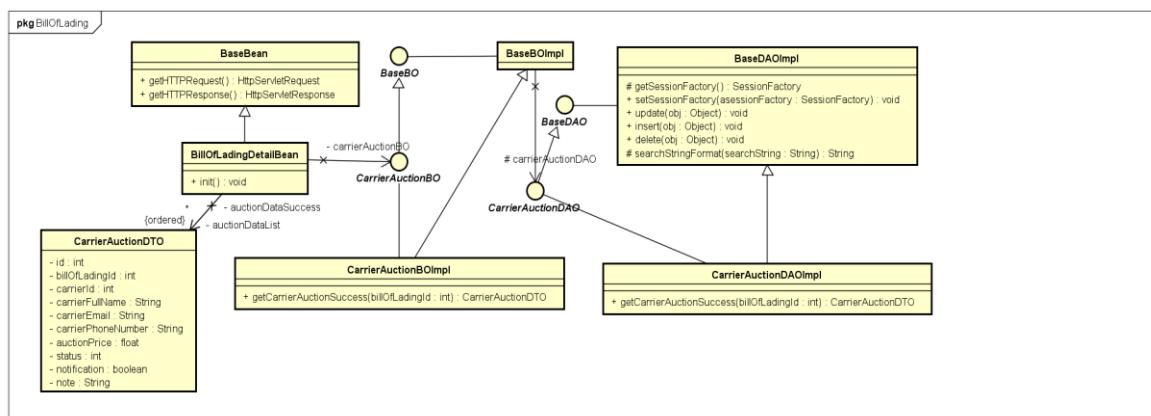


Figure 4.2-136 View Auction Success Class Diagram

#### 4.2.2.40.2 Screen Design

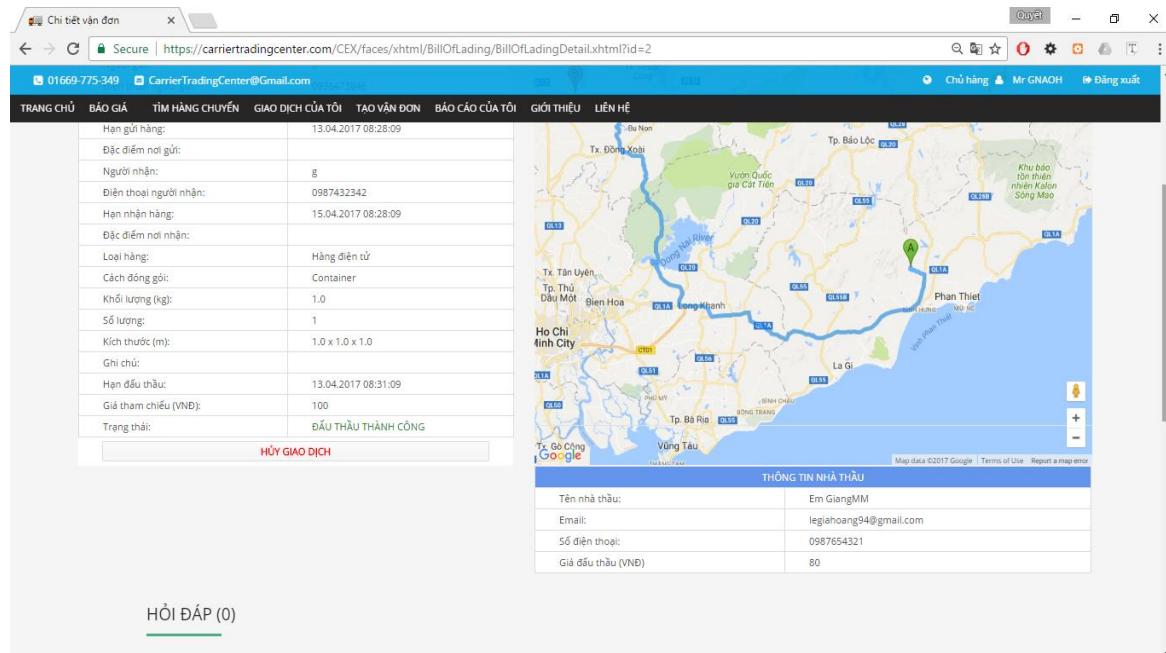


Figure 4.2-137 Auction Success

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin hàng hóa cần vận chuyển	goodInformation	selectOneMenu			
2	Google Map	map	javaScript			
3	Hủy giao dịch	cancelBillOfLading	commandButton			
4	Hỏi đáp		panelGroup			

#### 4.2.2.40.3 Sequence Diagram

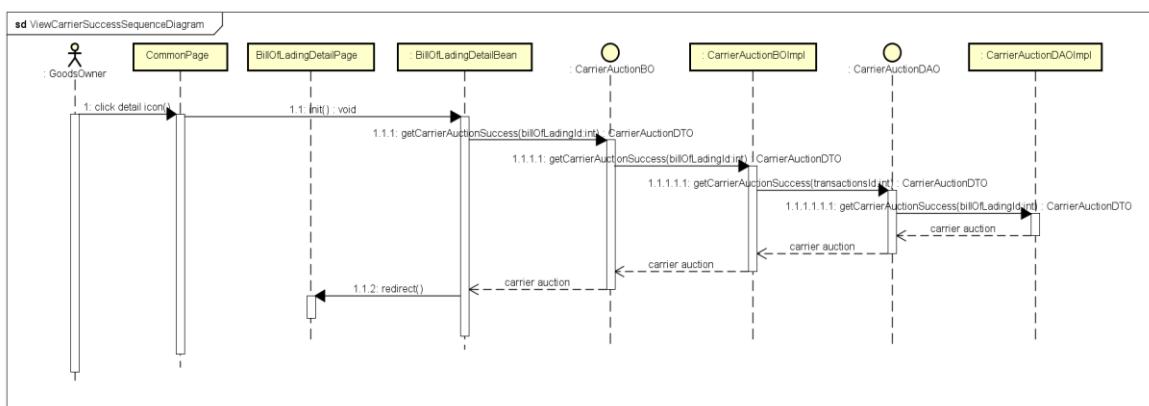
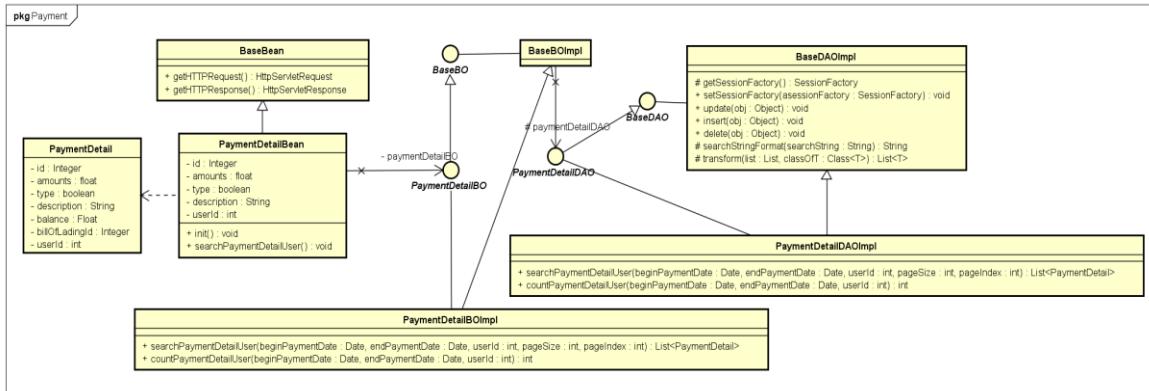


Figure 4.2-138 View Auction Success Sequence Diagram

#### 4.2.2.41 Goods owner view transaction history

##### 4.2.2.41.1 Class Diagram



**Figure 4.2-139 View Transaction History Class Diagram**

##### 4.2.2.41.2 Screen Design

The screenshot shows a web application interface for viewing account information. The URL is <https://carriertradingcenter.com/CEX/faces/xhtml/UsersAccountInformation/UsersAccountInformation.xhtml>. The page title is "Thông tin tài khoản". The header includes a phone number (01669-775-349), an email (CarrierTradingCenter@gmail.com), and a user name (Mr GNAOH). The menu bar has links for TRANG CHỦ, BẢO GIÁ, TÌM HÀNG CHUYỀN, GIAO DỊCH CỦA TÔI, TẠO VẬN ĐƠN, BÁO CÁO CỦA TÔI, GIỚI THIỆU, LIÊN HỆ. The main content area is titled "THÔNG TIN VỀ TÀI KHOẢN" and shows a table with account details: Tên người dùng (Mr GNAOH), Số dư tài khoản (699,925), and Tiền tệ (VND). Below this is a section titled "LIỆT KÊ GIAO DỊCH" with a search panel for "Hỗ trợ tìm kiếm" (Search support) with fields for Ngày bắt đầu and Ngày kết thúc, and a search button. The main table lists transaction details:

Thời gian	Mô tả giao dịch	Số tiền (VND)	Số dư (VND)
13.04.2017 08:05:40	Phi đăng vận đơn.	(-) 10,000	990,000
13.04.2017 08:05:40	Tiền đặt cọc đăng vận đơn.	(-) 15,000	975,000
13.04.2017 08:25:20	Hủy giao dịch	(+) 15,000	990,000
13.04.2017 08:29:10	Phi đăng vận đơn.	(-) 10,000	980,000
13.04.2017 08:29:10	Tiền đặt cọc đăng vận đơn.	(-) 10	979,990

**Figure 4.2-140 Payment Detail**

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin về tài khoản	accountInformation	panelGrid	Yes		
2	Hỗ trợ tìm kiếm	searchPanel	panel	No		
3	Ngày bắt đầu	departureDate	calendar	No		
4	Ngày kết thúc	arrivalDate	calendar	No		
5	Tìm kiếm	search	commandButton			
6	Liệt kê giao dịch	tablePaymentDetail	dataTable			

#### 4.2.2.41.3 Sequence Diagram

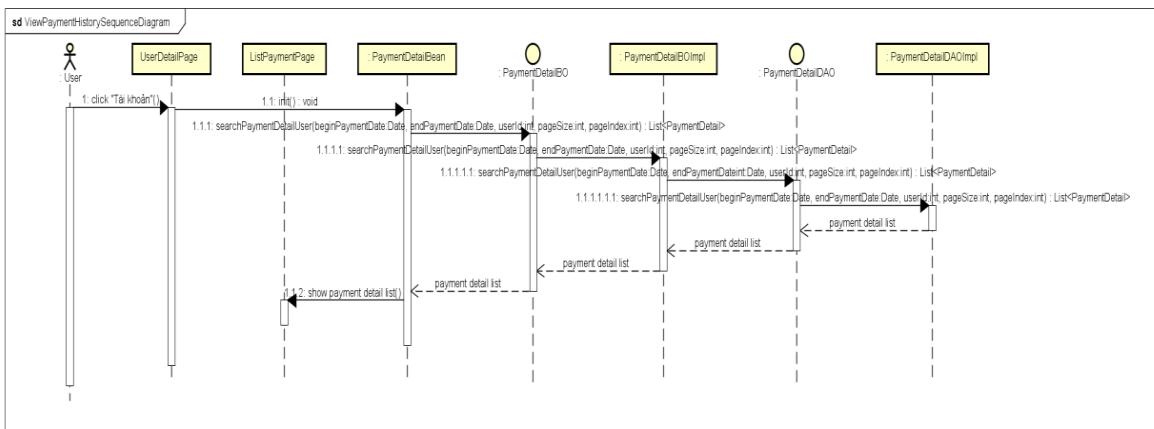


Figure 4.2-141 View Transaction History Sequence Diagram

#### 4.2.2.42 Goods owner register a new bill of lading

##### 4.2.2.42.1 Class Diagram

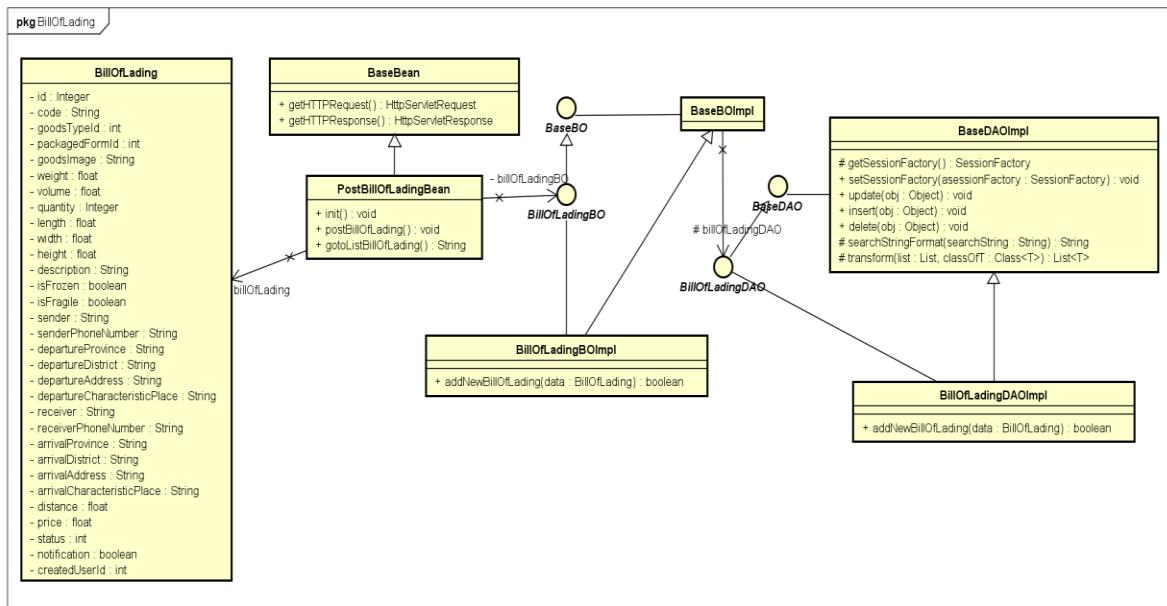
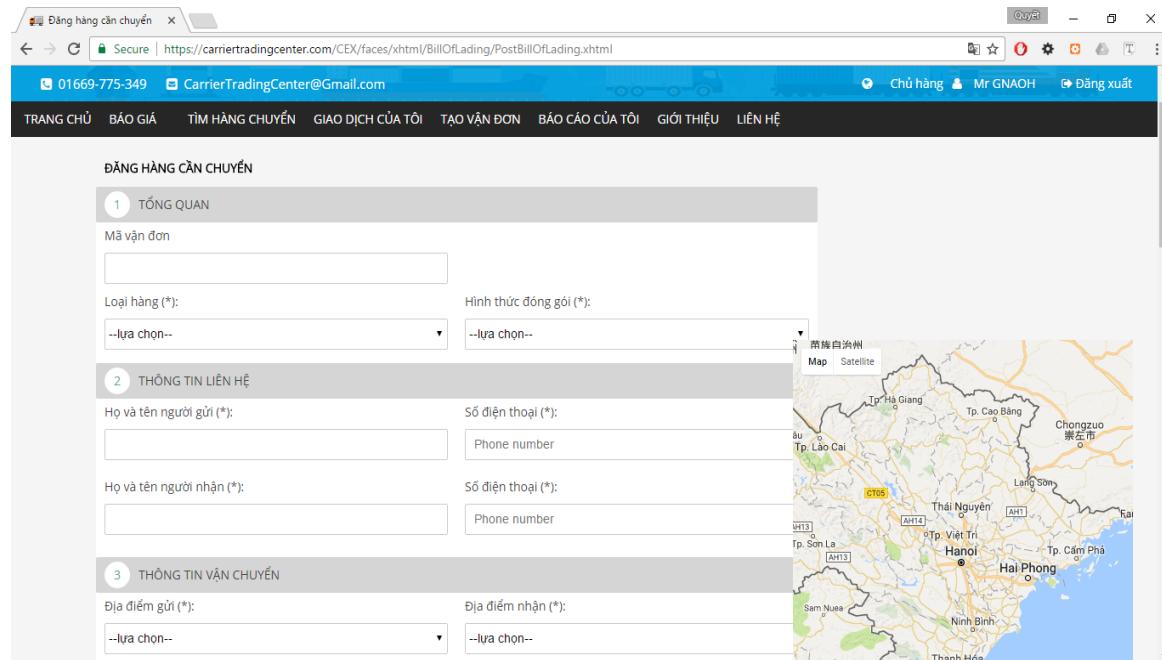


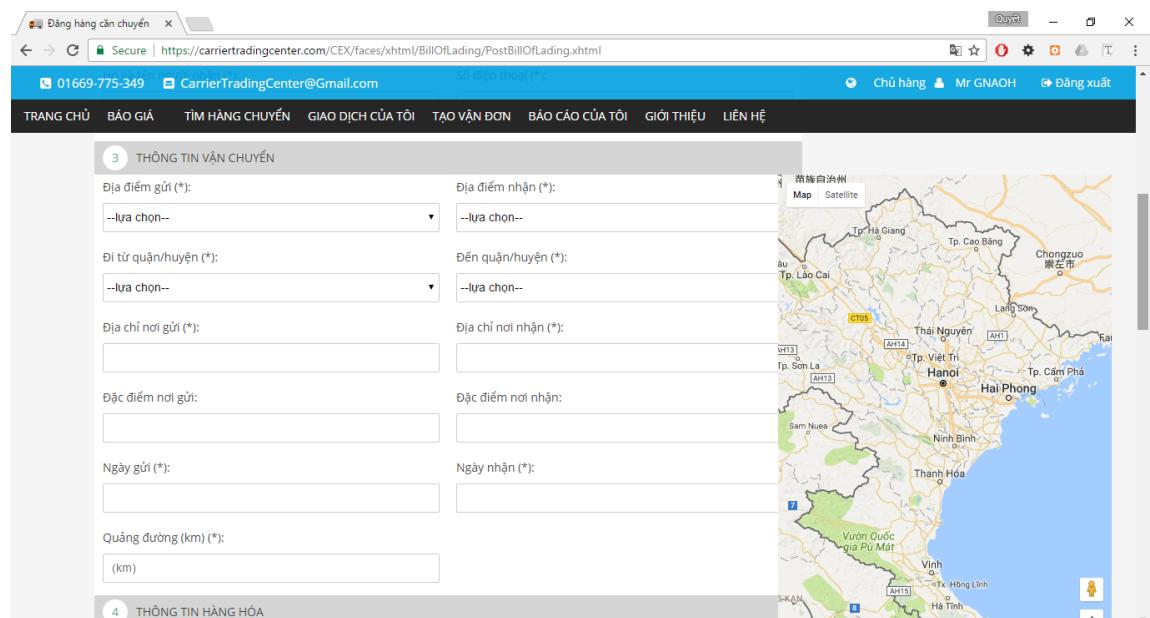
Figure 4.2-142 Register new Bill of Lading

#### 4.2.2.42.2 Screen Design



The screenshot shows a web-based application for creating a bill of lading. The top navigation bar includes links for 'TRANG CHỦ', 'BÁO GIÁ', 'TÌM HÀNG CHUYỂN', 'GIAO DỊCH CỦA TÔI', 'TẠO VẬN ĐƠN', 'BÁO CÁO CỦA TÔI', 'GIỚI THIỆU', and 'LIÊN HỆ'. The main content area is titled 'ĐĂNG HÀNG CẨM CHUYỂN' and contains three tabs: '1 TỔNG QUAN', '2 THÔNG TIN LIÊN HỆ', and '3 THÔNG TIN VẬN CHUYỂN'. The '3 THÔNG TIN VẬN CHUYỂN' tab is active, showing fields for 'Địa điểm gửi (\*)', 'Địa điểm nhận (\*)', 'Đi từ quận/huyện (\*)', 'Đến quận/huyện (\*)', 'Địa chỉ nơi gửi (\*)', 'Địa chỉ nơi nhận (\*)', 'Đặc điểm nơi gửi', 'Đặc điểm nơi nhận', 'Ngày gửi (\*)', 'Ngày nhận (\*)', and 'Quảng đường (km) (\*)'. To the right of the form is a map of northern Vietnam, specifically the provinces of Lào Cai, Cao Bằng, and Hanoi, with major roads labeled AH1, AH2, AH3, AH4, and CT05.

Figure 4.2-143 Post Bill of Lading (part 1)



The screenshot shows the continuation of the 'Post Bill of Lading' form. The '3 THÔNG TIN VẬN CHUYỂN' tab is active, showing fields for 'Địa điểm gửi (\*)', 'Địa điểm nhận (\*)', 'Đi từ quận/huyện (\*)', 'Đến quận/huyện (\*)', 'Địa chỉ nơi gửi (\*)', 'Địa chỉ nơi nhận (\*)', 'Đặc điểm nơi gửi', 'Đặc điểm nơi nhận', 'Ngày gửi (\*)', 'Ngày nhận (\*)', and 'Quảng đường (km) (\*)'. The right side of the screen features a map of northern Vietnam, highlighting the provinces of Lào Cai, Cao Bằng, and Hanoi, with major roads labeled AH1, AH2, AH3, AH4, and CT05.

Figure 4.2-144 Post Bill of Lading (part 2)

**Figure 4.2-145 Post Bill of Lading (part 3)**

Đăng hàng cản chuyển Quay – X

Secure | <https://carriertradingcenter.com/CEX/faces/xhtml/BillOfLading/PostBillOfLading.xhtml>

01669-775-349 CarrierTradingCenter@Gmail.com

nhà cung cấp

Chủ hàng Mr GNAOH Đăng xuất

TRANG CHỦ BÁO GIÁ TÌM HÀNG CHUYỂN GIAO DỊCH CỦA TÔI TẠO VĂN ĐƠN BÁO CÁO CỦA TÔI GIỚI THIỆU LIÊN HỆ

+ Choose

Mô tả

Tin tức

THÔNG TIN ĐẦU GIÁ

Giá đề xuất (\*) (VND):   
(VND)

Thời gian kết thúc đấu giá (\*):

Bạn có thể tham chiếu giá cước vận tải theo từng mặt hàng tại đây!

**Figure 4.2-146 Post Bill of Lading (part 4)**

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Mã vận đơn	Code	inputText	No	20	
2	Loại hàng	goodsType	selectOneMenu	Yes		
3	Hình thức đóng gói.	packageForm	selectOneMenu	Yes		
4	Họ và tên người gửi	sender	inputText	Yes	50	
5	Số điện thoại	sender PhoneNumber	inputText	Yes	12	
6	Họ và tên người nhận	receiver	inputText	Yes	50	
7	Số điện thoại	receiverPhoneNumber	inputText	Yes	12	

8	Địa điểm gửi	departureProvince	selectOneMenu	Yes		
9	Địa điểm nhận	arrivalProvince	selectOneMenu	Yes		
10	Đi từ quận/ huyện	departureDistrict	selectOneMenu	Yes		
11	Đến quận/huyện	arrivalDistrict	selectOneMenu	Yes		
12	Địa chỉ nơi gửi	departureAddress	inputText	Yes	100	
13	Địa chỉ nơi nhận	arrivalAddress	inputText	Yes	100	
14	Đặc điểm nơi gửi	departureCharacteristicPlace	inputText	No	100	
15	Đặc điểm nơi nhận	arrivalCharacteristicPlace	inputText	No	100	
16	Ngày gửi	departureDate	calendar	Yes		
17	Ngày nhận	arrivalDate	calendar	Yes		
18	Quãng đường	distance	inputNumber	Yes		
19	Khối lượng	weight	inputNumber	Yes		
20	Số lượng	quantity	inputNumber	No		
21	Dài	length	inputNumber	Yes		
22	Rộng	width	inputNumber	Yes		
23	Cao	height	inputNumber	Yes		
24	Hàng đông lạnh	isFrozen	selectBooleanCheckbox	No		
25	Hàng dễ vỡ	isFragile	selectBooleanCheckbox	No		
26	Hình ảnh	goodsImage	fileUpload	No	255	
27	Mô tả	description	inputTextarea	No	200	
28	Fee đề xuất	fee	inputNumber	Yes		
29	Thời gian kết thúc đấu giá	currentDate	calendar	Yes		
30	Đăng ký		commandButton			
31	Hủy bỏ		commandButton			

#### 4.2.2.42.3 Sequence Diagram

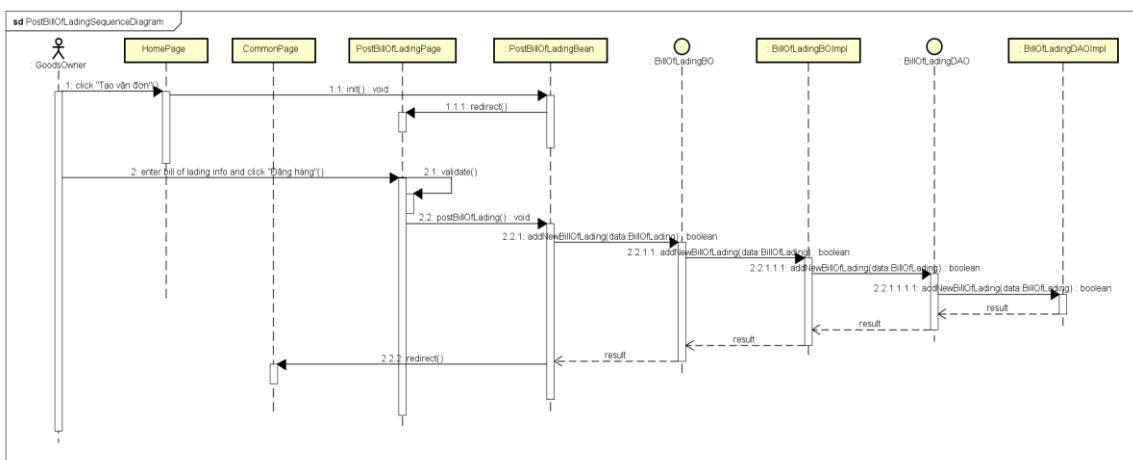


Figure 4.2-147 Post Bill of Lading Sequence Diagram

#### 4.2.2.43 Goods owner cancel bill of Lading

##### 4.2.2.43.1 Class Diagram

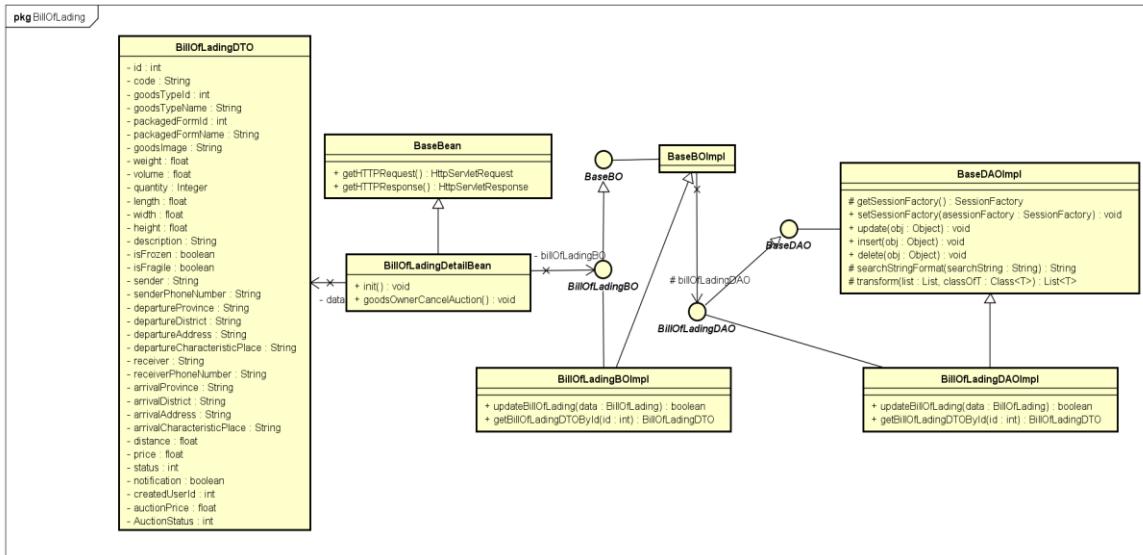


Figure 4.2-148 Cancel Bill of Lading Class Diagram

##### 4.2.2.43.2 Screen Design

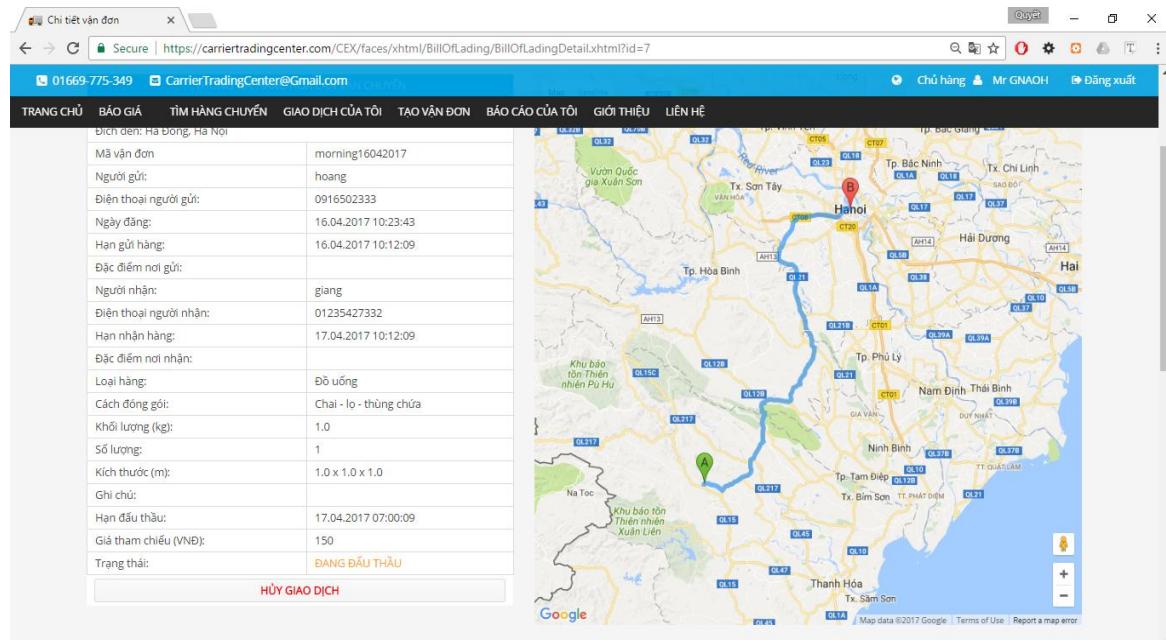


Figure 4.2-149 Cancel Bill of Lading

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin hàng hóa cần vận chuyển	goodInformation	selectOneMenu			
2	Google Map	map	javaScript			
3	Hủy giao dịch	cancelBillOfLading	commandButton			

4	Hỏi đáp	panelGroup			
---	---------	------------	--	--	--

#### 4.2.2.43.3 Sequence Diagram

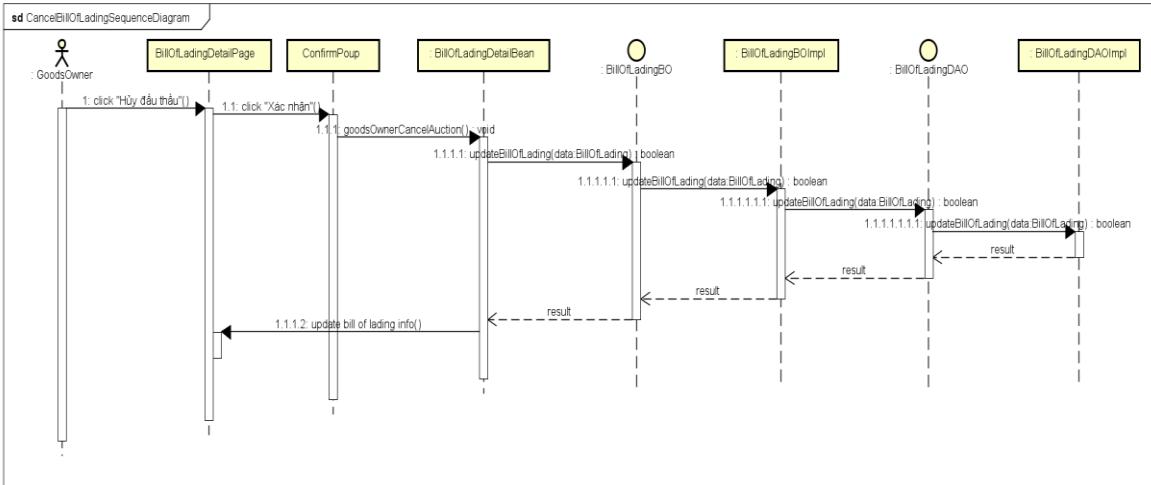


Figure 4.2-150 Cancel Bill of Lading Sequence Diagram

#### 4.2.2.44 Goods owner edit profile

##### 4.2.2.44.1 Class Diagram

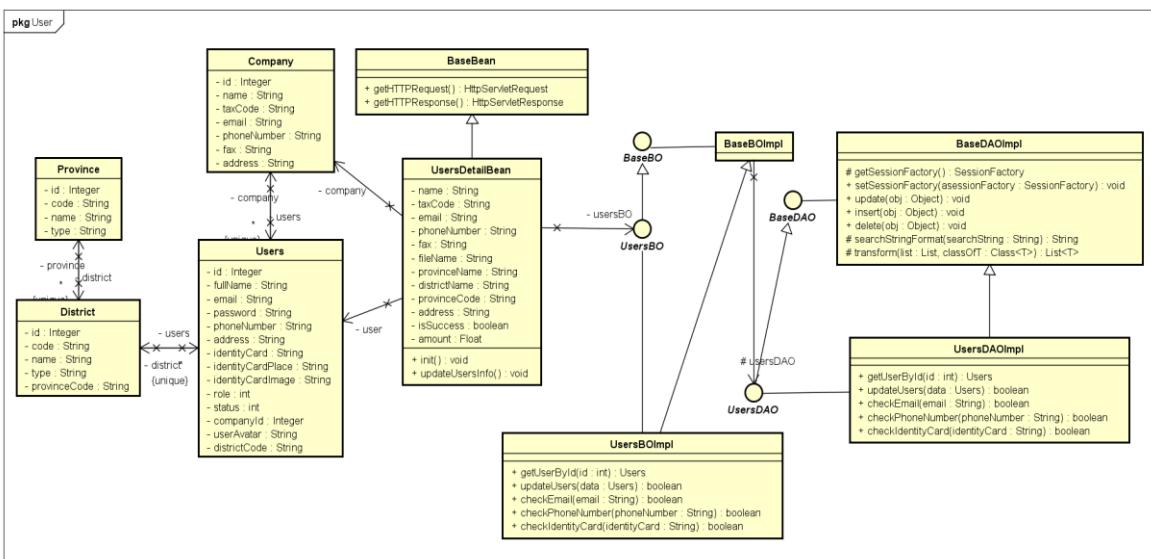


Figure 4.2-151 Edit Profile Class Diagram

## 4.2.2.44.2 Screen Design

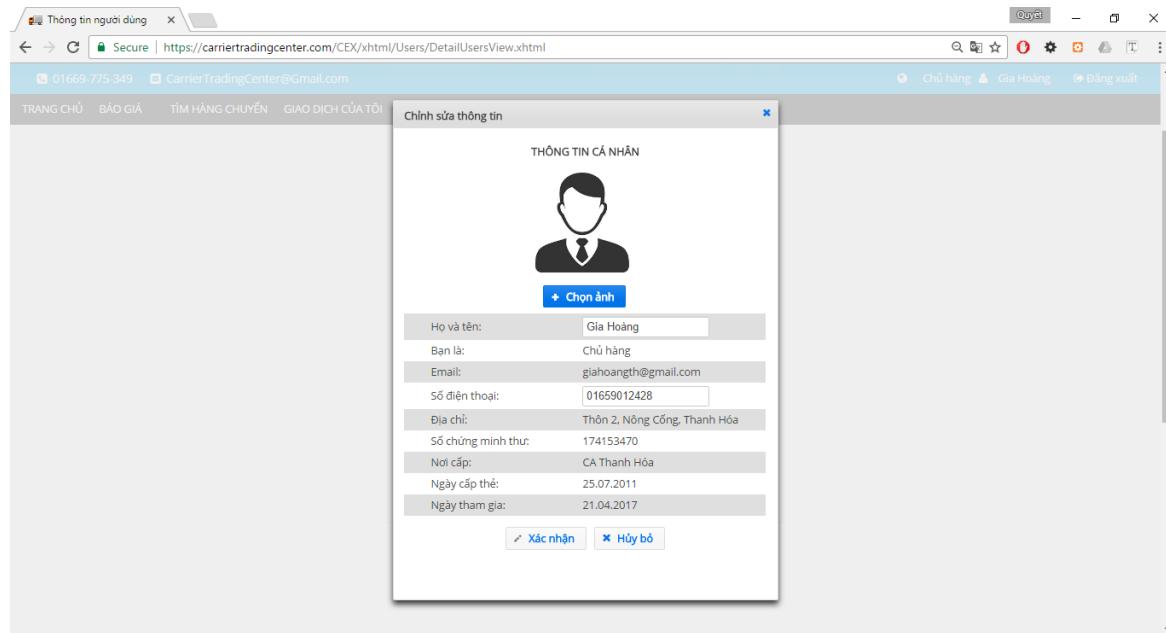


Figure 4.2-152 Edit profile

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	avatar	avatar	graphicImage			
2	Chọn ảnh	chooseImg	fileUpload			
3	Họ và tên	fullName	inputText			
4	Bạn là	role	outputable			
5	Email	email	outputable			
6	Số điện thoại	phoneNumber	inputText			
7	Địa chỉ	address	outputable			
8	Tỉnh/Thành phố	province	outputable			
9	Quận/Huyện	district	outputable			
10	Số chứng minh thư	identityCard	outputable			
11	Nơi cấp	identityCardPlace	outputable			
12	Ngày cấp	identityCardDate	outputable			
13	Ngày tham gia	dateCreate	outputable			
14	Lưu thay đổi	save	commandButton			
15	Hủy bỏ	cancel	commandButton			

#### 4.2.2.44.3 Sequence Diagram

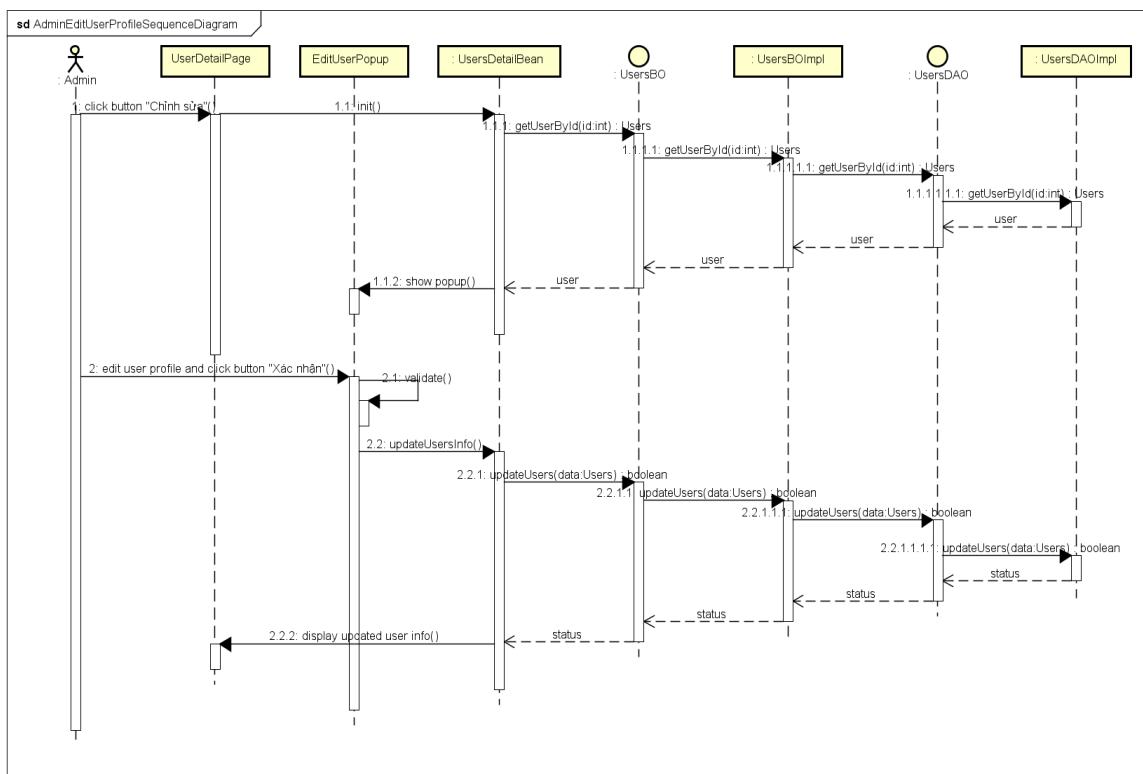


Figure 4.2-153 Edit Profile Sequence Diagram

#### 4.2.2.45 Goods owner forgot password

##### 4.2.2.45.1 Class Diagram

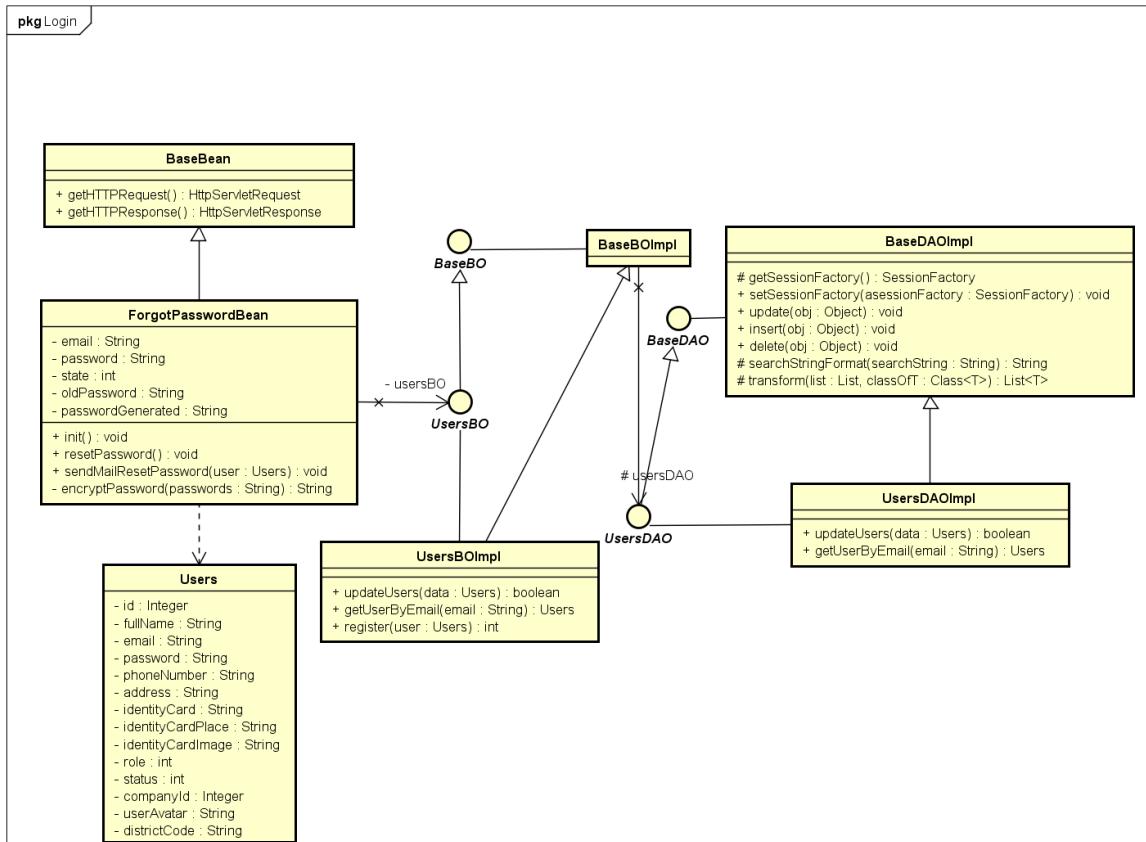


Figure 4.2-154 Forgot Password Class Diagram

##### 4.2.2.45.2 Screen Design

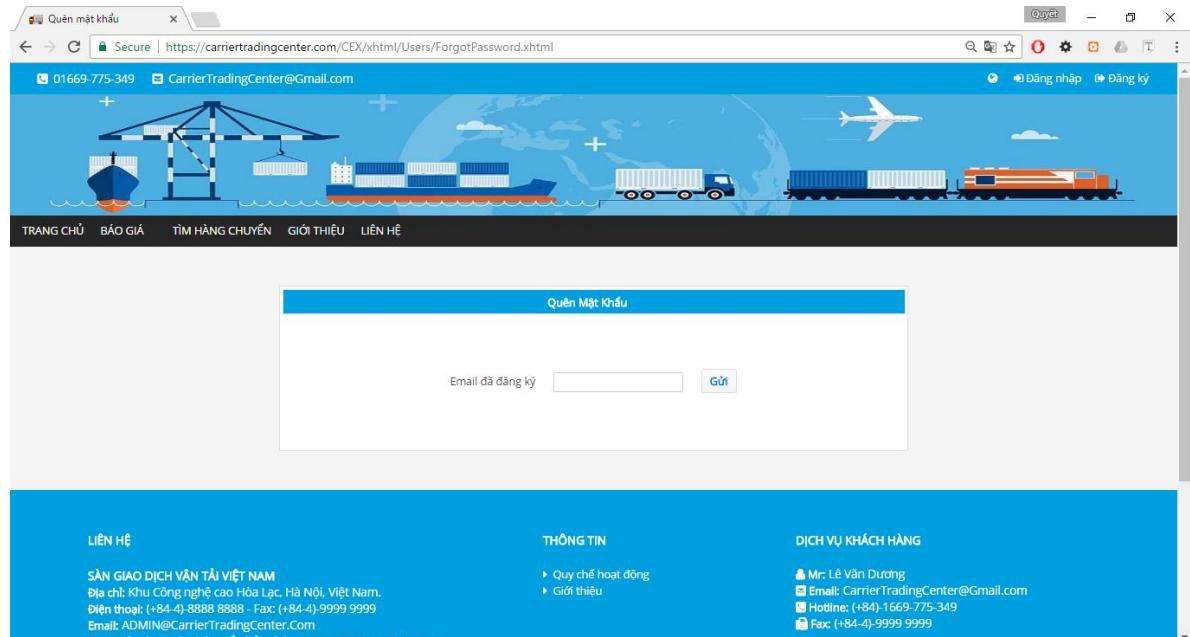


Figure 4.2-155 Send Mail Reset Password

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Quên mật khẩu	forgotPassword	panelGrid			
2	Email đã đăng ký	email	inputText			
3	Gửi	send	commandButton			

The screenshot shows a web page titled "Thay đổi mật khẩu" (Change Password) from the URL <https://carriertradingcenter.com/CEX/faces/xhtml/Users/ResetPasswoed.xhtml>. The page has a header with a globe and icons for shipping modes (ship, plane, truck, train). The main content is a form with fields for Email, Old Password, New Password, and Confirmation. Below the form is a footer with contact information for the Sàn Giao Dịch Vận Tải Việt Nam.

Figure 4.2-156 Reset Password

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thay đổi mật khẩu	resetPassword	panelGrid			
2	Địa chỉ email	chooseImg	inputText			
3	Mật khẩu cũ	fullName	password			
4	Mật khẩu mới	role	password			
5	Xác nhận mật khẩu	email	password			
6	Đổi mật khẩu	phoneNumber	commandButton			

#### 4.2.2.45.3 Sequence Diagram

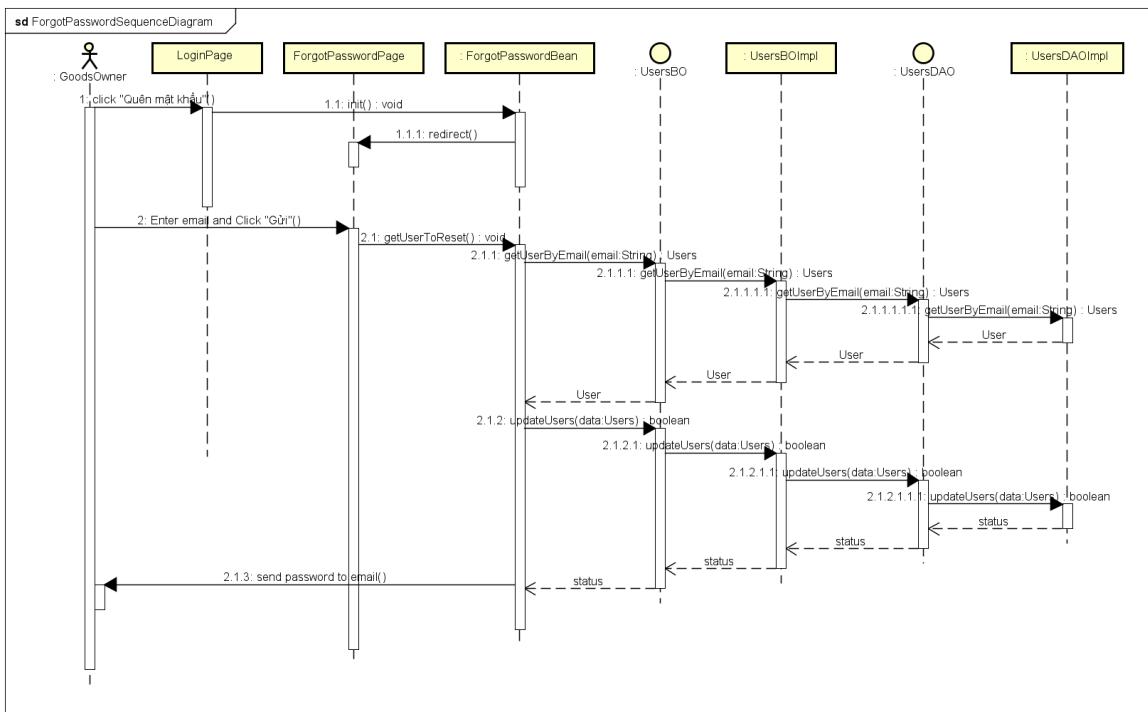


Figure 4.2-157 Forgot Password Sequence Diagram

#### 4.2.2.46 Goods owner change password

##### 4.2.2.46.1 Class Diagram

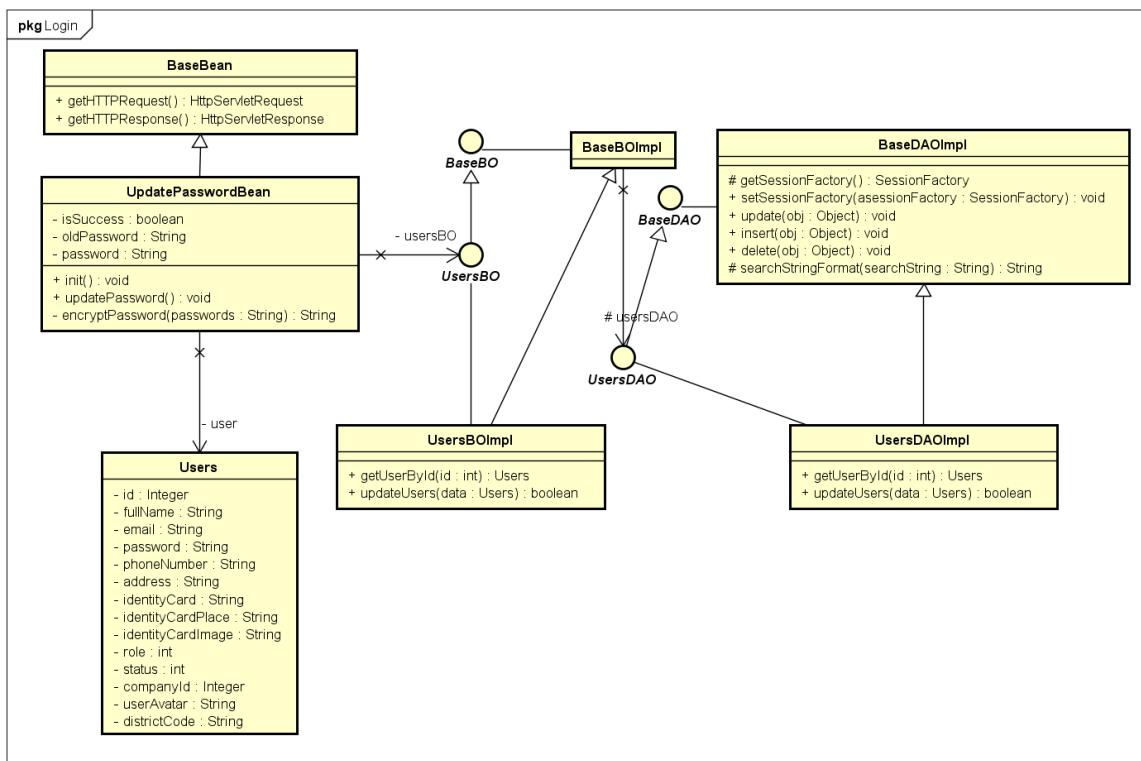


Figure 4.2-158 Change Password Class Diagram

## 4.2.2.46.2 Screen Design

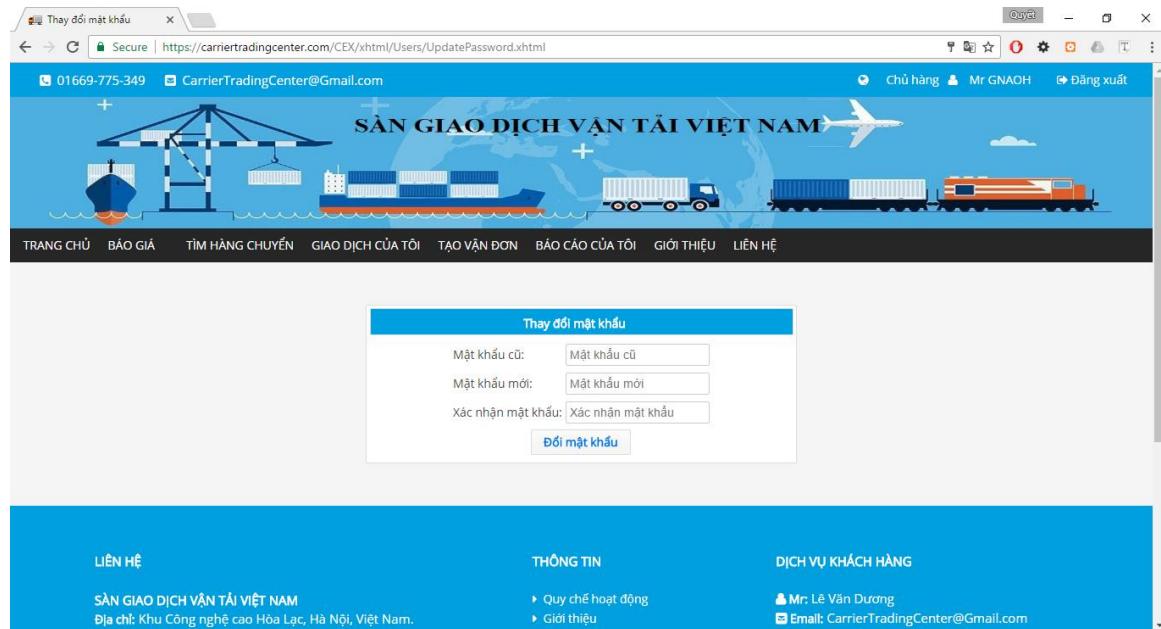


Figure 4.2-159 Update Password

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thay đổi mật khẩu	resetPassword	panelGrid			
2	Mật khẩu cũ	fullName	password			
3	Mật khẩu mới	role	password			
4	Xác nhận mật khẩu	email	password			
5	Đổi mật khẩu	phoneNumber	commandButton			

#### 4.2.2.46.3 Sequence Diagram

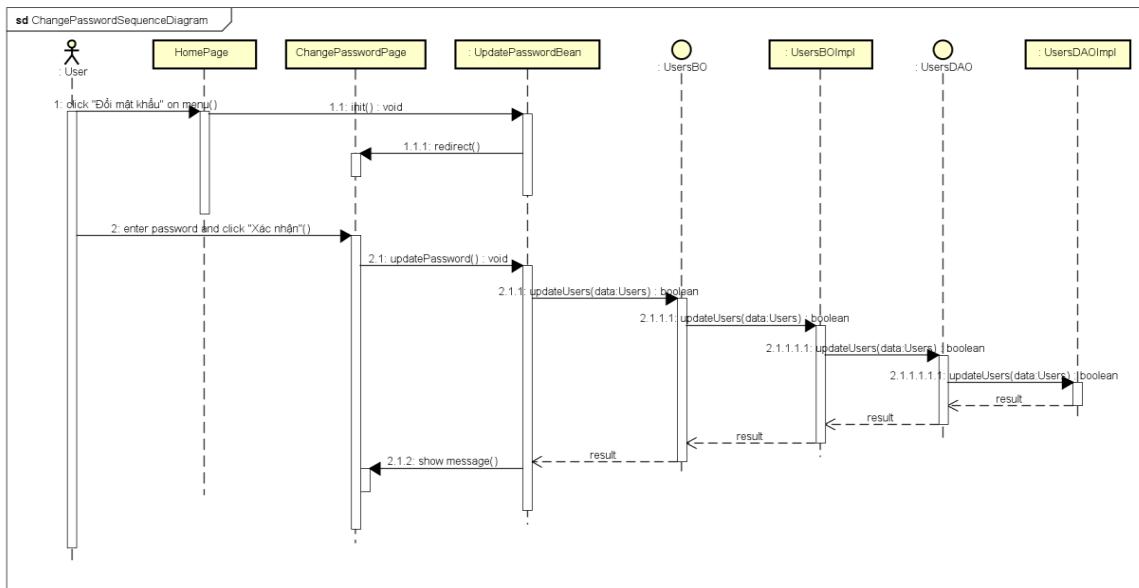


Figure 4.2-160 Update Password Sequence Diagram

#### 4.2.2.47 Goods owner send report

##### 4.2.2.47.1 Class Diagram

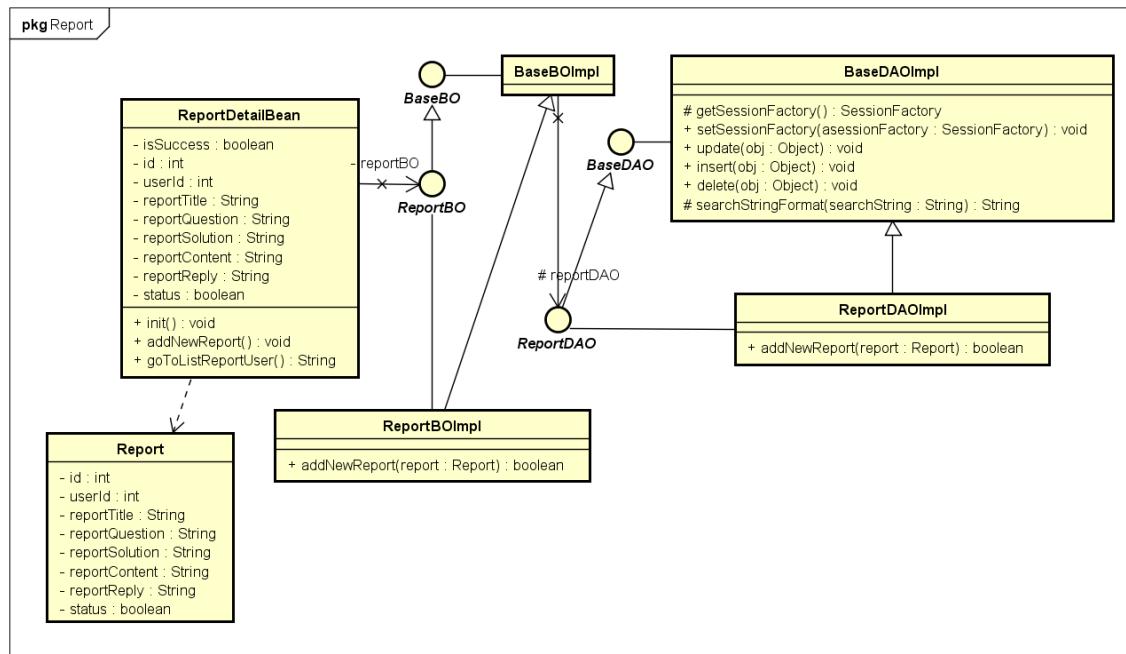


Figure 4.2-161 Send Report Class Diagram

## 4.2.2.47.2 Screen Design

Figure 4.2-162 Add new Report

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Chủ đề bạn muốn báo cáo là gì?	repotTitle	inputText			
2	Câu hỏi của bạn là gì?	reportQuestion	inputText			
3	Bạn mong muốn xử lý như thế nào	reportSolution	outputText			
4	Nội dung báo cáo của bạn	reportContent	outputText			
5	Gửi báo cáo	addNewReport	commandButton			
6	Quay lại	goback	commandButton			

#### 4.2.2.47.3 Sequence Diagram

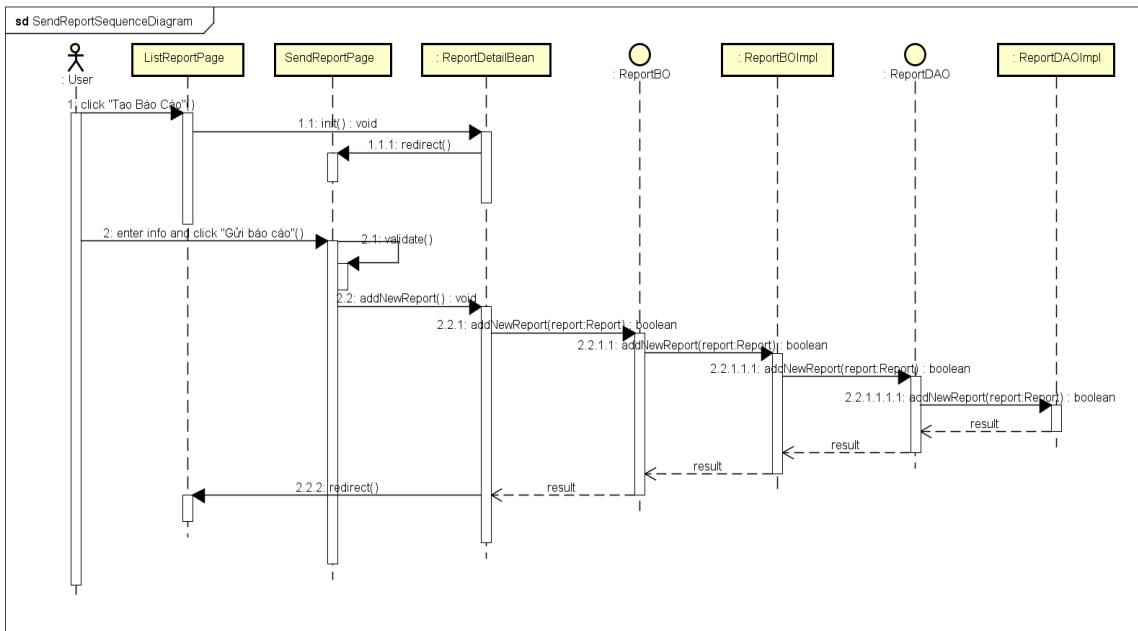


Figure 4.2-163 Send Report Sequence Diagram

#### 4.2.2.48 Goods owner view Profile

##### 4.2.2.48.1 Class Diagram

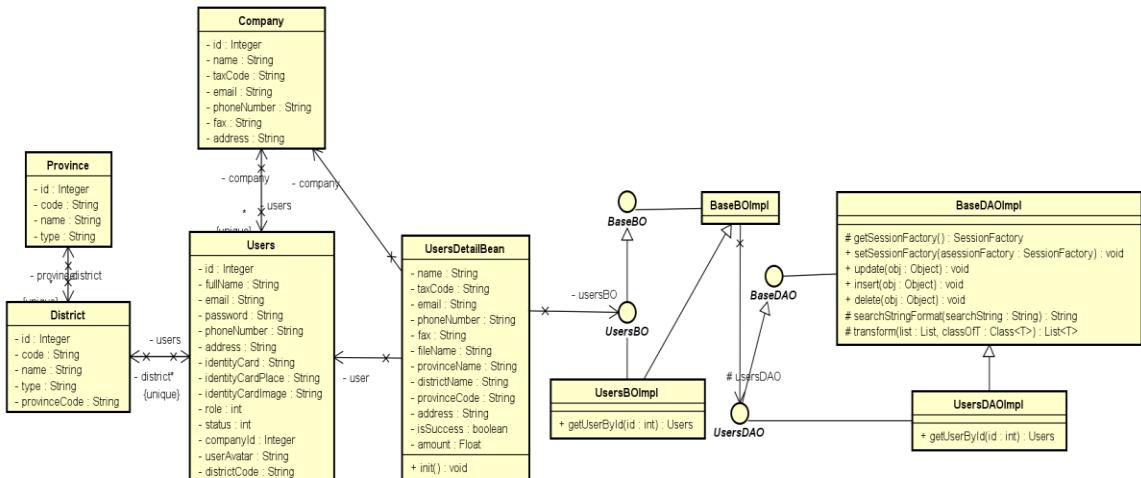


Figure 4.2-164 View User Profile Class Diagram

## 4.2.2.48.2 Screen Design

## 4.2.2.48.2.1 Case does not Exist Company Information

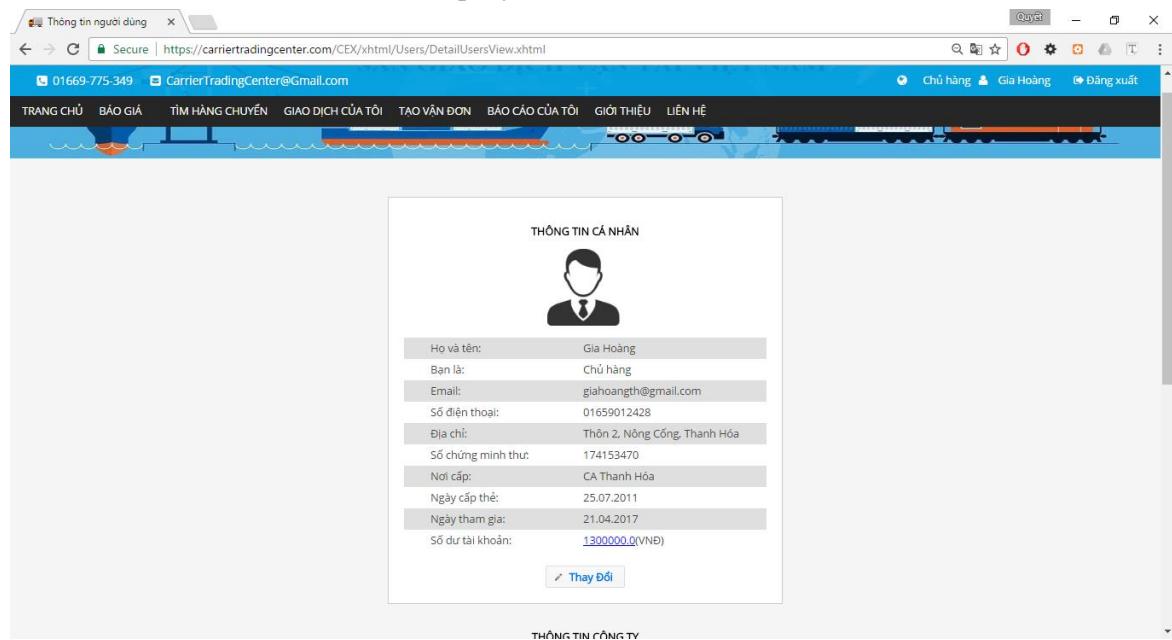


Figure 4.2-165 User Profile

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin cá nhân	userDeatilInformation	panelGrid	Yes		
2	Thông tin công ty	companyInformation	panelGrid	No		
3	Thay đổi		commandButton			
4	Thêm thông tin công ty.		commandButton			

#### 4.2.2.48.2.2 Case Exist Company Information

THÔNG TIN CÁ NHÂN

Họ và tên:	Gia Hoàng
Bạn là:	Chủ hàng
Email:	gioahoangth@gmail.com
Số điện thoại:	01659012428
Địa chỉ:	Thôn 2, Nông Cống, Thanh Hóa
Số chứng minh thư:	174153470
Nơi cấp:	CA Thanh Hóa
Ngày cấp thẻ:	25.07.2011
Ngày tham gia:	21.04.2017
Số dư tài khoản:	1300000.0 VNĐ

Figure 4.2-166 User Profile (part 1)

THÔNG TIN CÔNG TY

Tên công ty:	SamSung
Email:	samsung@gmail.com
Số điện thoại:	8488885555
Fax:	1-844-8888-5555
Địa chỉ:	Cầu Giấy - Hà Nội
Mã số thuế:	1098215111

**LIÊN HỆ**

**SÀN GIAO DỊCH VẬN TẢI VIỆT NAM**  
 Địa chỉ: Khu Công nghệ cao Hòa Lạc, Hà Nội, Việt Nam.  
 Điện thoại: (+84-4)-8888 8888 - Fax: (+84-4)-9999 9999  
 Email: ADMIN@CarrierTradingCenter.Com  
 Được xây dựng và phát triển bởi Nhóm SV ĐH FPT www.fpt.edu.vn

**THÔNG TIN**

- Quy chế hoạt động
- Giới thiệu

**DỊCH VỤ KHÁCH HÀNG**

- Mr; Lê Văn Dương
- Email: CarrierTradingCenter@gmail.com
- Hotline: (+84-4)-1669-775-349
- Fax: (+84-4)-9999 9999

Figure 4.2-167 User Profile (part 2)

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin cá nhân	userDeatilInformation	panelGrid	Yes		
2	Thông tin công ty	companyInformation	panelGrid	No		
3	Thay đổi		commandButton			
4	Thay đổi		commandButton			

#### 4.2.2.48.3 Sequence Diagram

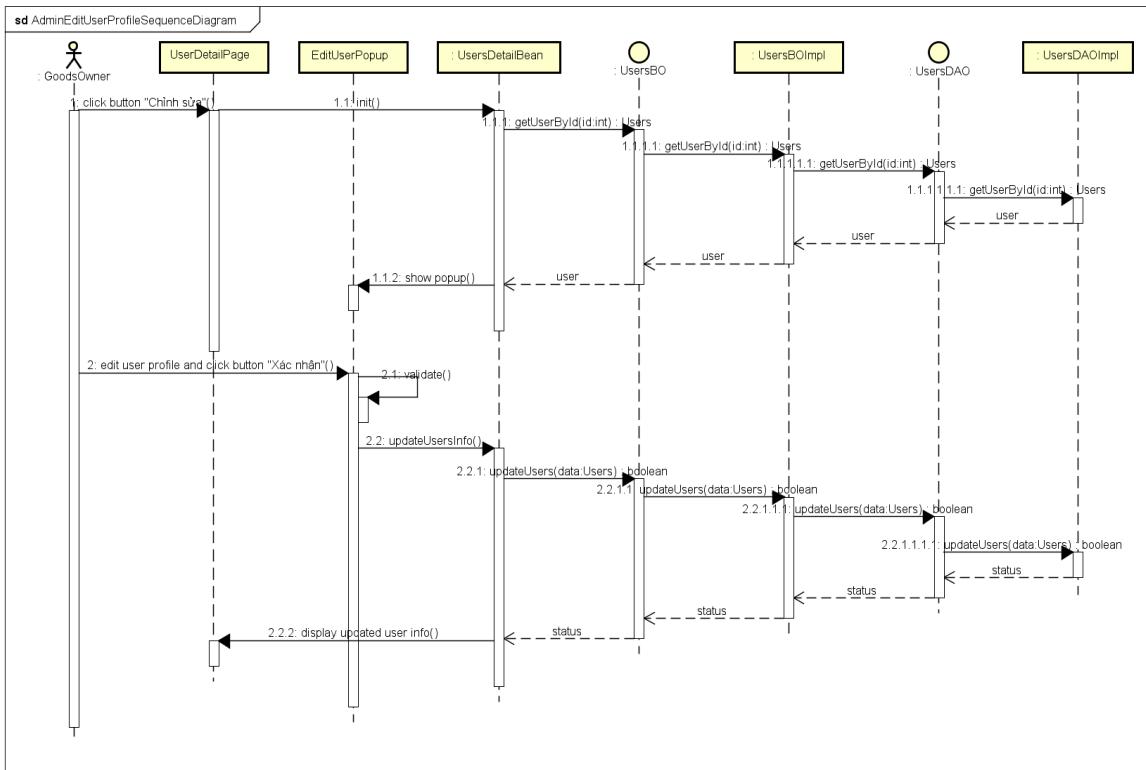


Figure 4.2-168 User Profile Sequence Diagram

#### 4.2.2.49 Goods owner view report list

##### 4.2.2.49.1 Class Diagram

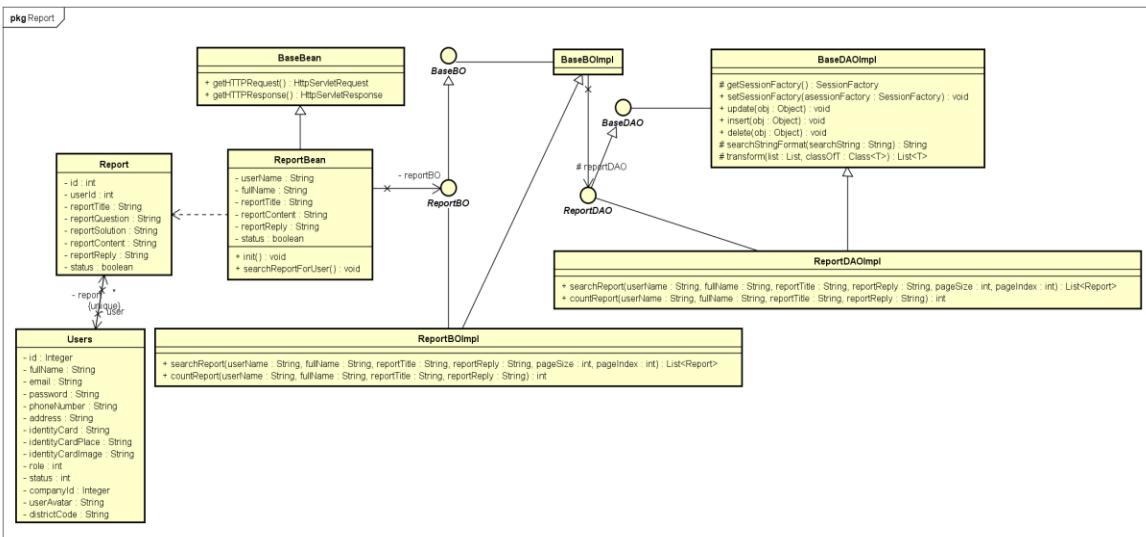


Figure 4.2-169 View Report list

#### 4.2.2.49.2 Screen Design

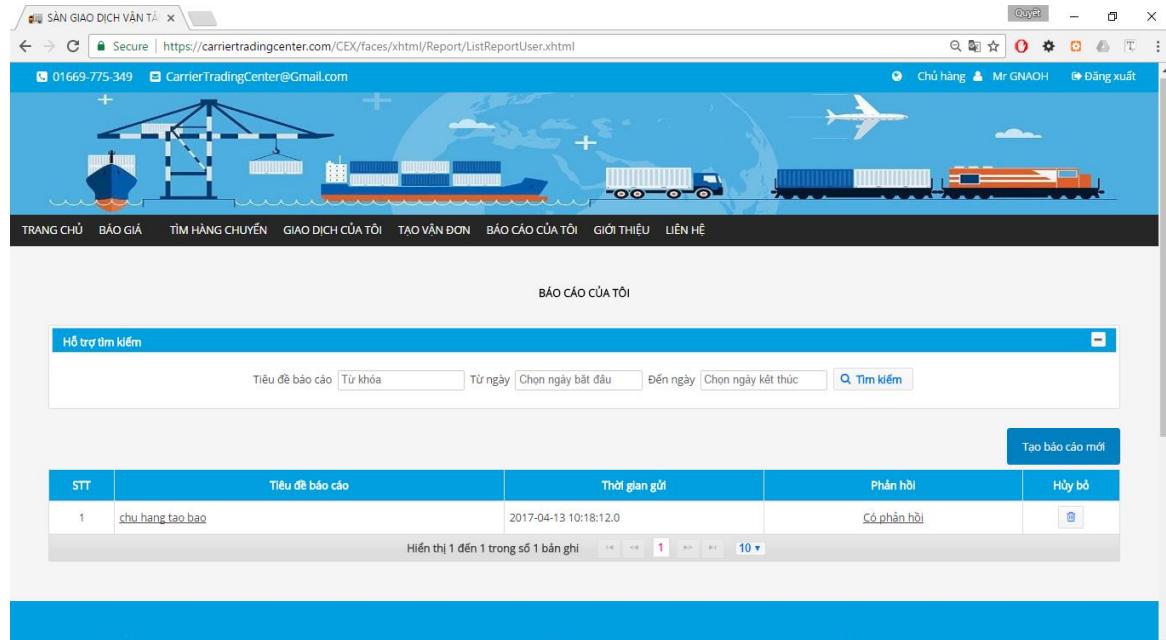


Figure 4.2-170 List Report

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Hỗ trợ tìm kiếm		panelGrid			
2	Tiêu đề báo cáo	reportTitle	inputText	No	75	
3	Từ ngày	reportDateBegin	calendar	No		
4	Đến ngày	reportDateEnd	calendar	No		
5	Tìm kiếm	search	commandButton			
6	Danh sách báo cáo	litsReport	dataTable			

#### 4.2.2.49.3 Sequence Diagram

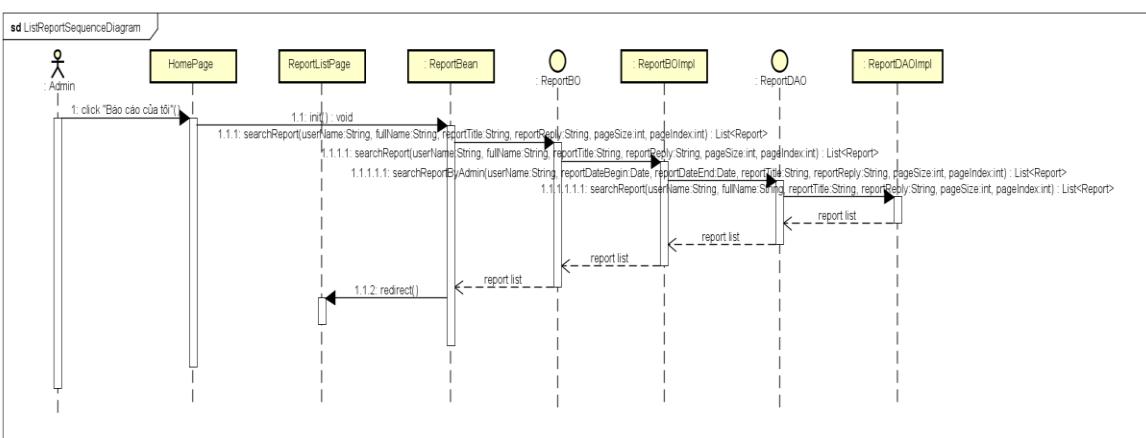
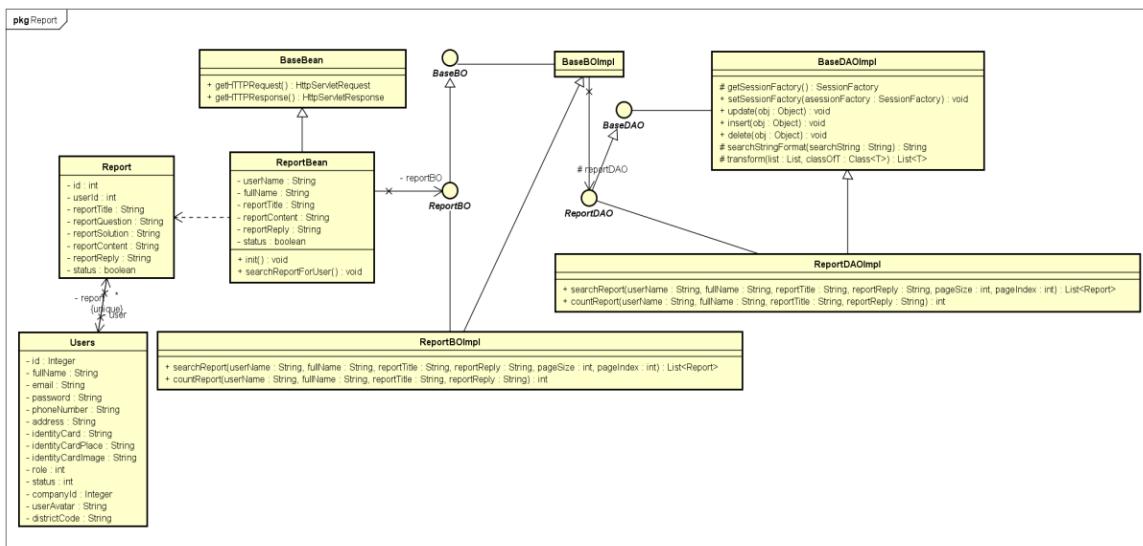


Figure 4.2-171 List Report Sequence Diagram

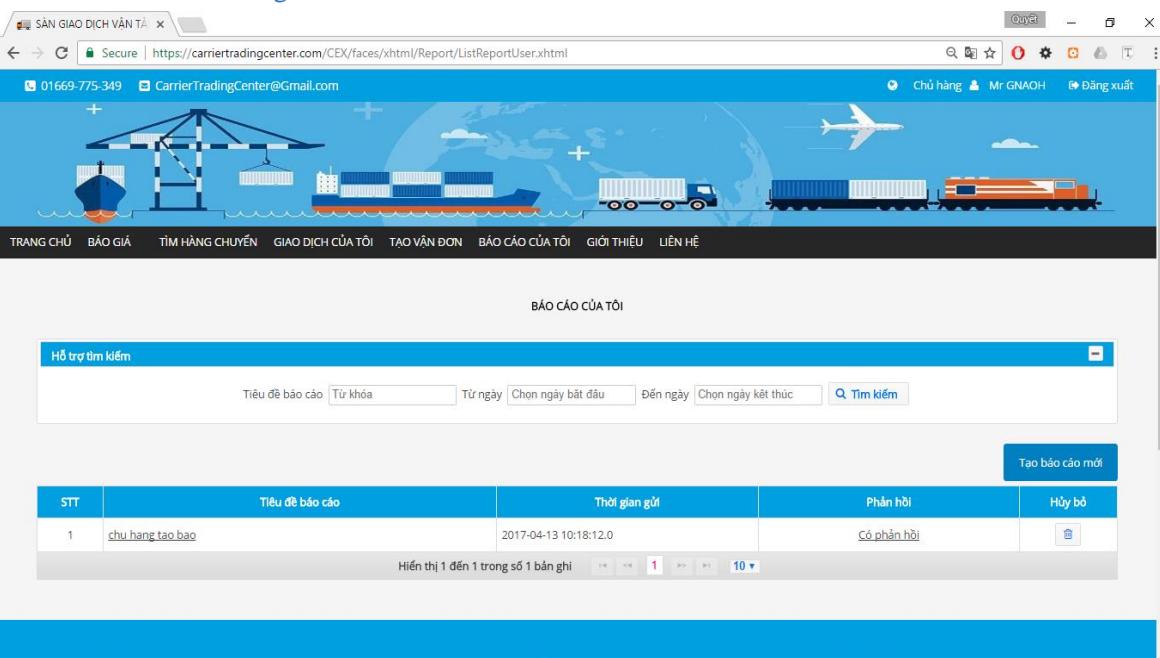
#### 4.2.2.50 Goods owner search report

#### 4.2.2.50.1 Class Diagram



**Figure 4.2-172 Search Report Class Diagram**

#### 4.2.2.50.2 Screen Design



## Figure 4.2-173 Search Report

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Hỗ trợ tìm kiếm		panelGrid			
2	Tiêu đề báo cáo	reportTitle	inputText	No	75	
3	Từ ngày	reportDateBegin	calendar	No		
4	Đến ngày	reportDateEnd	calendar	No		

5	Tìm kiếm	search	commandButton			
6	Danh sách báo cáo	litsReport	dataTable			

#### 4.2.2.50.3 Sequence Diagram

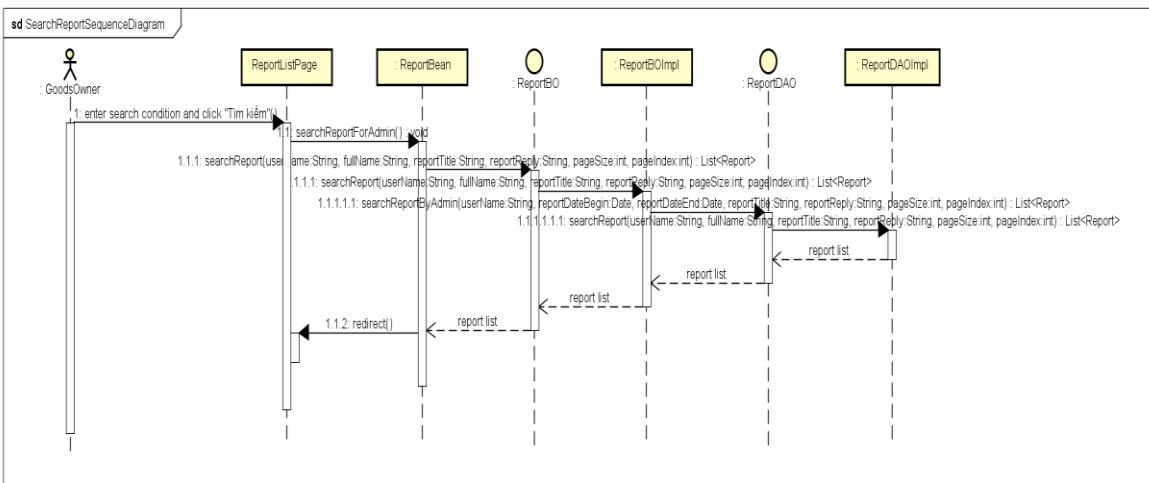


Figure 4.2-174 Search Report Sequence Diagram

#### 4.2.2.51 Goods owner connect to carrier

##### 4.2.2.51.1 Goods owner comment to carrier

###### 4.2.2.51.1.1 Class Diagram

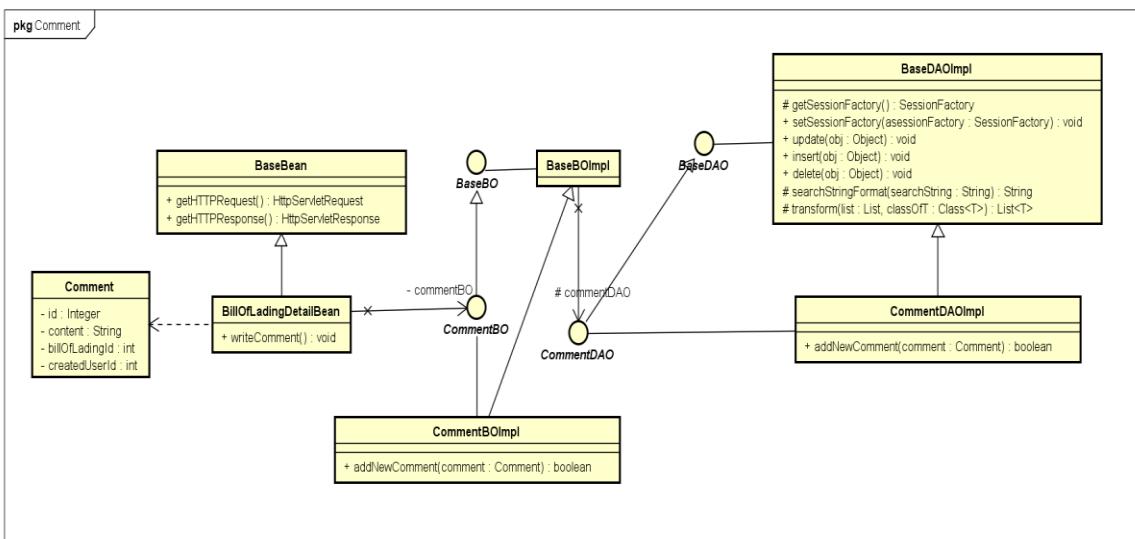
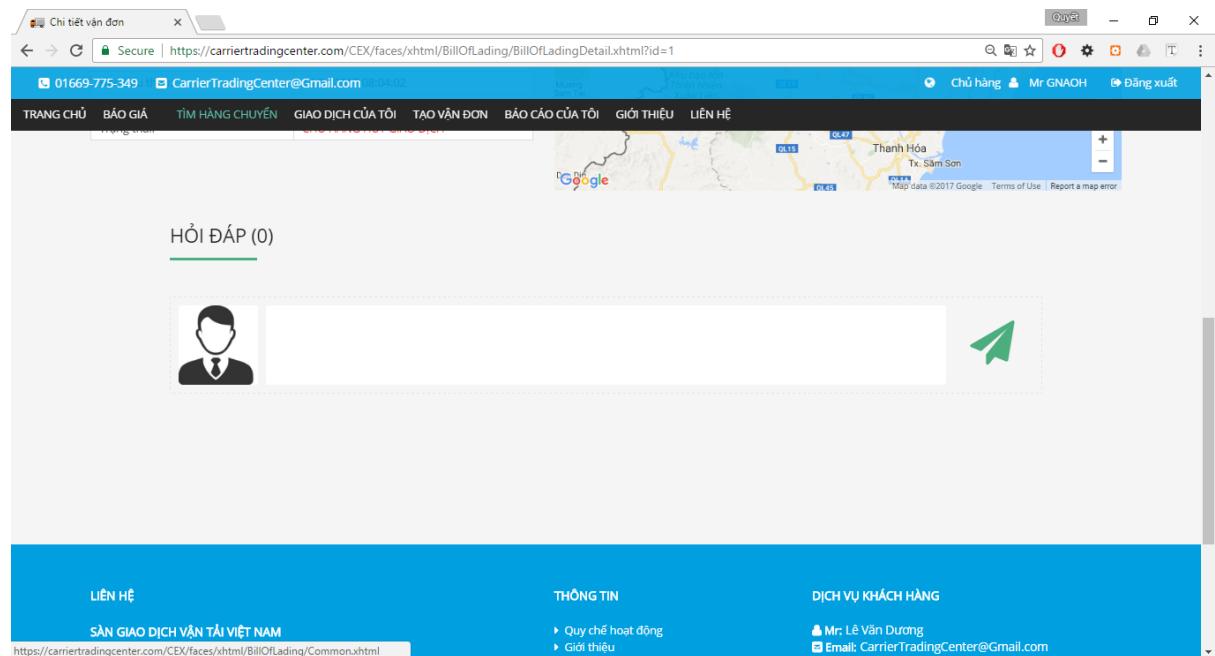


Figure 4.2-175 Comment to carrier Class Diagram

#### 4.2.2.51.1.2 Screen Design



No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Hỏi đáp	questionAnswer	panelGroup			
2	Button Send	send	commandButton			

#### 4.2.2.51.1.3 Sequence Diagram

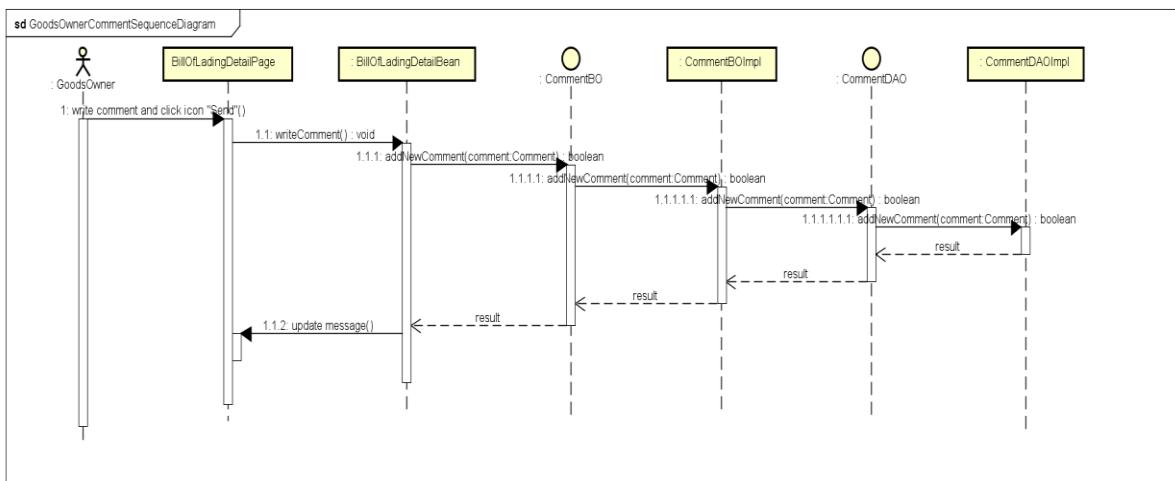


Figure 4.2-176 Write comment to Carrier Sequence Diagram

#### 4.2.2.51.2 Goods owner answer to carrier

##### 4.2.2.51.2.1 Class Diagram

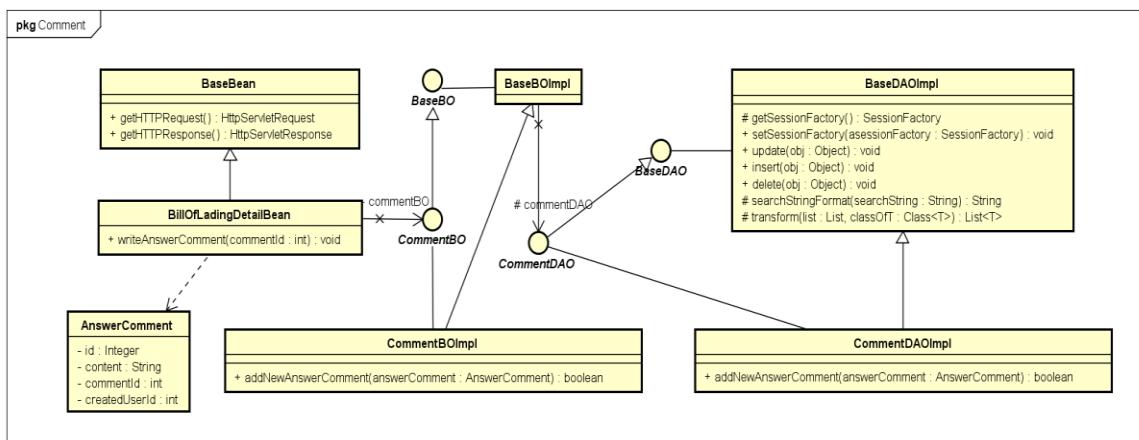


Figure 4.2-177 Answer to carrier

##### 4.2.2.51.2.2 Screen Design

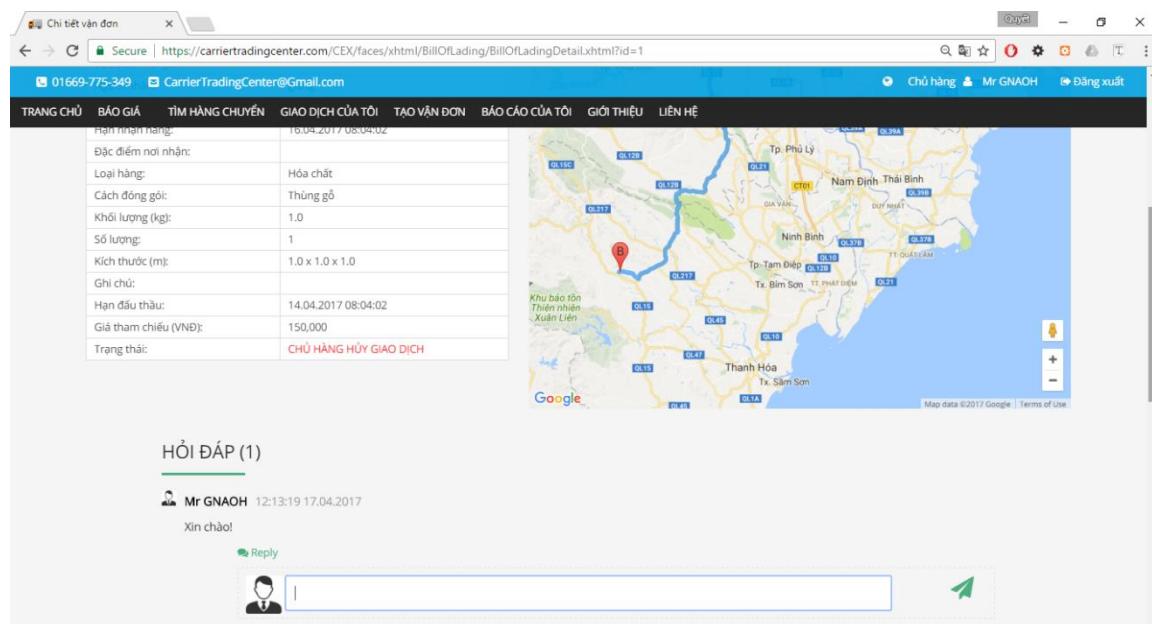


Figure 4.2-178 Goods Owner Answer Comment

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Hỏi đáp	questionAnswer	panelGroup			
2	Trả lời	reply	inputText			
3	Button Send	send	commandButton			

#### 4.2.2.51.2.3 Sequence Diagram

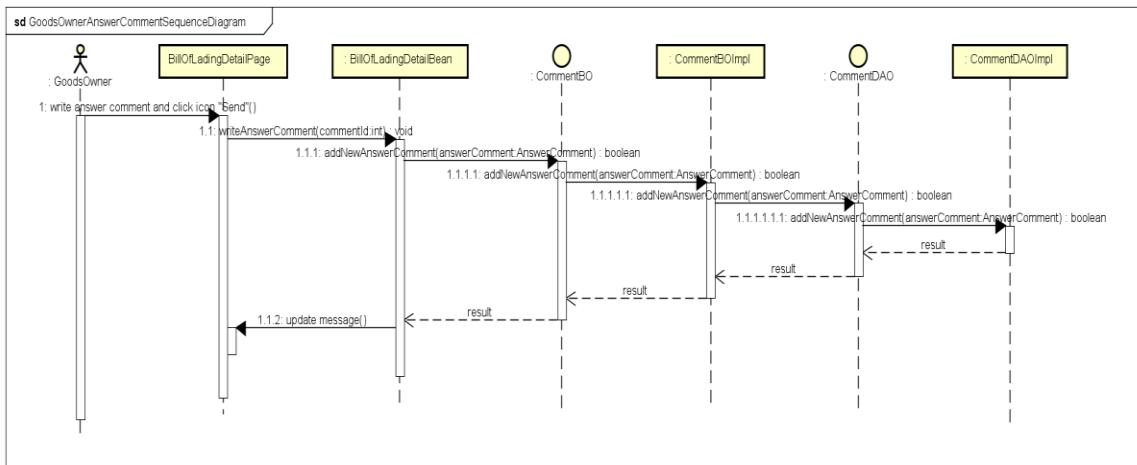


Figure 4.2-179 Answer comment Sequence Diagram

#### 4.2.2.52 Goods owner account recharge

##### 4.2.2.52.1 Class Diagram

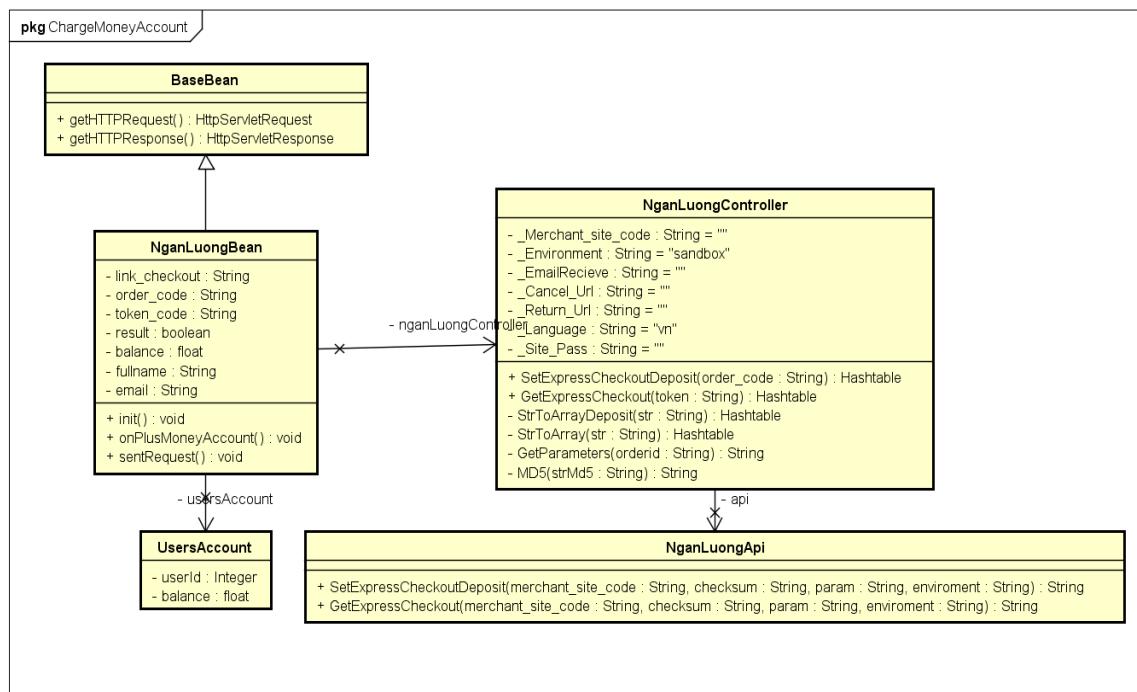


Figure 4.2-180 Goods Owner Account Recharge Class Diagram

## 4.2.2.52.2 Screen Design

Figure 4.2-181 Account Recharge

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Nạp tiền vào tài khoản	accountRecharge	NganLuong API			

## 4.2.2.52.3 Sequence Diagram

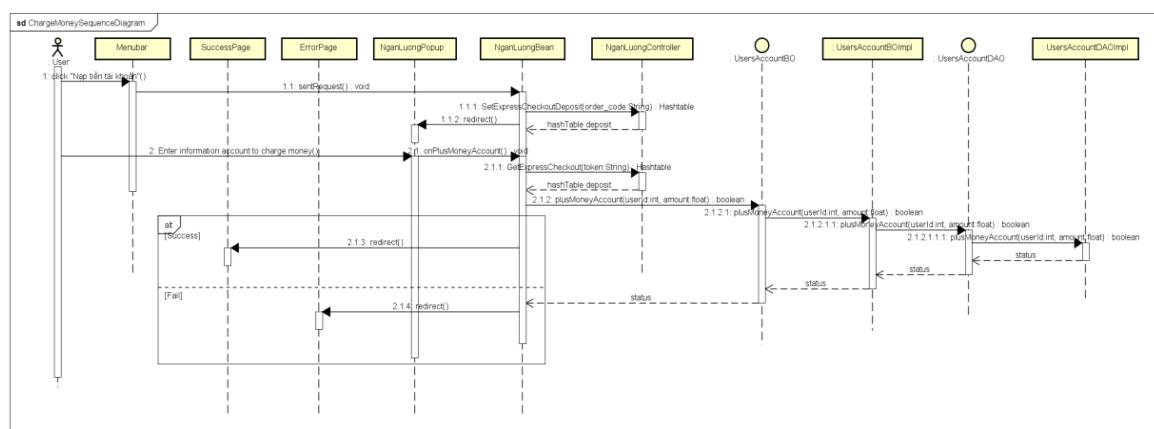


Figure 4.2-182 Account Recharge Sequence Diagram

#### 4.2.2.53 Goods owner reference fee

##### 4.2.2.53.1 Class Diagram

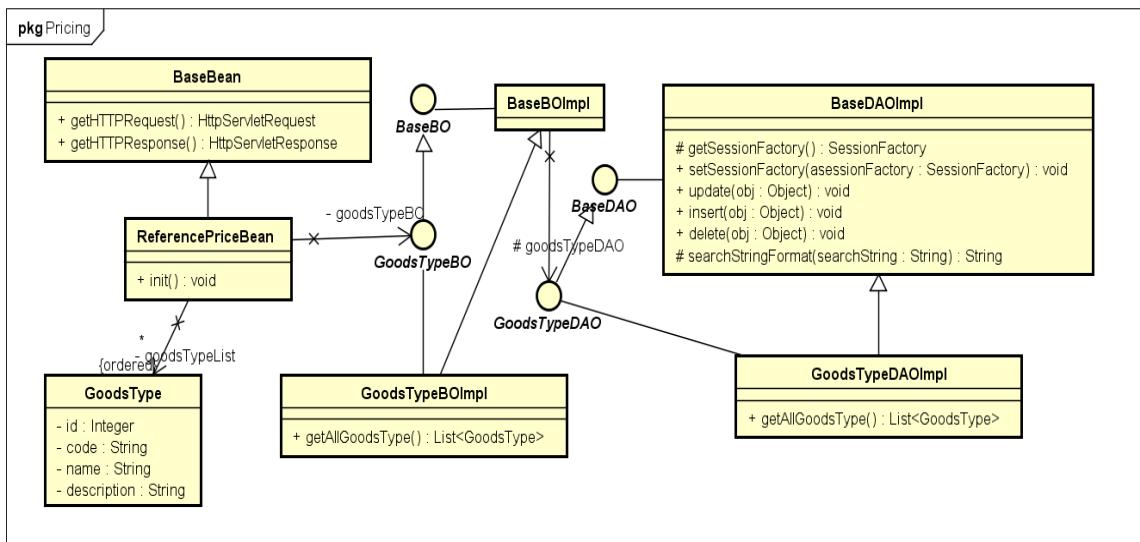


Figure 4.2-183 View Reference Fee Class Diagram

##### 4.2.2.53.2 Screen Design

The screenshot shows a web browser displaying a page from 'Sàn Giao Dịch Vận Tải Việt Nam'. The page features a header with the site's name and a navigation bar with links like 'TRANG CHỦ', 'BẢO GIÁ', 'TÌM HÀNG CHUYỂN', 'GIỚI THIỆU', and 'LIÊN HỆ'. Below the header is a decorative banner with images of shipping containers, a truck, and a train. The main content area is titled 'BẢNG GIÁ THAM CHIẾU CHI PHÍ VẬN CHUYỂN' (Reference Fee Table). The table has columns for 'STT' (Number), 'Loại hàng' (Type of goods), 'Khối lượng' (Weight), 'Quảng đường' (Distance), and 'Giá tham chiếu (VNĐ)' (Reference fee in VND). The table data is as follows:

STT	Loại hàng	Khối lượng	Quảng đường	Giá tham chiếu (VNĐ)
1	Bàn-ghế-giường-tú	100 (kg)	10 (km)	10,000
2	Đồ uống	100 (kg)	10 (km)	10,000
3	Động vật	100 (kg)	10 (km)	10,000
4	Hàng điện tử	100 (kg)	10 (km)	10,000
5	Hóa chất	100 (kg)	10 (km)	10,000
6	Hoa quả	100 (kg)	10 (km)	10,000
7	Kim loại - nguyên liệu	100 (kg)	10 (km)	10,000
8	Máy móc - cơ khí	100 (kg)	10 (km)	10,000
9	Sức khỏe - làm đẹp	100 (kg)	10 (km)	10,000
10	Thể thao	100 (kg)	10 (km)	10,000
11	Thực phẩm khô	100 (kg)	10 (km)	10,000
12	Thực phẩm tươi	100 (kg)	10 (km)	10,000
13	Văn phòng phẩm	100 (kg)	10 (km)	10,000
14	Vật liệu xây dựng	100 (kg)	10 (km)	10,000

Dưới đây là bảng giá cước tham khảo theo mặt bằng chung của các đơn vị vận tải hàng hóa tham gia trên hệ thống sàn giao dịch vận tải.

Figure 4.2-184 Reference Fee (part 1)

Bảng giá cước vận chuyển hàng hóa đường bộ từ TP.HCM đi các tỉnh

H.C.M	Tu 500 - 1.000 kg	Tu 1.000 - 2.5 tấn	Tu 2.5 tấn đến 5 tấn	Tu 5 tấn đến 10 tấn	10tấn đến 20 tấn	Tu 20 tấn đến 30 tấn	Tu 30 tấn đến 40 tấn	Tu 40 tấn đến 50 tấn	Tu 50 tấn đến 60 tấn	Tu 60 tấn đến 70 tấn	Tu 70 tấn đến 80 tấn	Tu 80 tấn đến 90 tấn	Tu 90 tấn đến 100 tấn	Ghi chú
Cần Thơ	650	600	550	500	450	380	300	225.000	165.000					
Vũng Tàu	650	600	550	500	450	380	300	225.000	165.000					
Tiền Giang	850	600	600	550	500	380	300	225.000	165.000					
Vĩnh Long	850	600	600	550	500	380	300	225.000	165.000					
Nha Trang	1.500	1.000	850	800	750	700	650	270.000	225.000					
Gia Lai	1.500	1.000	850	800	750	700	650	270.000	225.000					
An Giang	1.500	1.000	850	800	750	700	650	270.000	225.000					
Bình Thuận	1.500	1.000	850	800	750	700	650	270.000	225.000					
Ninh Thuận	1.500	1.000	850	800	750	700	650	270.000	225.000					
Cà Mau	1.500	1.000	850	800	750	750	750	320.000	270.000					
Kiên Giang	1.500	1.000	850	800	750	750	750	320.000	270.000					
Bạc Liêu	1.500	1.000	850	800	750	750	750	320.000	270.000					
Sóc Trăng	1.500	1.000	850	800	750	750	750	320.000	270.000					
Đà Lạt	1.500	1.000	850	800	750	750	750	320.000	270.000					

Bảng giá cước vận chuyển hàng hóa đường bộ từ Hà Nội đi các tỉnh

HÀ NỘI	500 – 1.000 (Kg)	1.000 – 2.500 (Kg)	2.500 trả lên (Kg)	5.000 – 10.000 (Kg)	10.000 (Kg) trả lên
Hải Phòng	1100	800	600	500	350
Lai Châu	3300	2800	2300	2100	1900
Điện Biên	4.000	3.000	2.500	2.300	2.100
Sơn La	3.000	2.500	1.900	1.700	1.500
Hòa Bình	1.100	800	600	500	400
Hà Giang	2.000	1.700	1.500	1.300	1.200
Cao Bằng	2.000	1.700	1.500	1.300	1.200
Lào Cai	2.000	1.700	1.500	1.300	1.200
Yên Bái	1.600	1.200	900	800	700
Tuyên Quang	1.400	1.100	800	700	600
Bắc Kạn	1.600	1.200	900	800	700
Thái Nguyên	900	700	500	400	350
Lạng Sơn	1.600	1.200	900	800	700
Việt Trì	1.100	800	600	500	400
Bắc Giang	1.200	900	700	600	500
Hi Long	1.600	1.200	900	800	700
Vĩnh Phúc	700	500	400	350	300

Figure 4.2-185 Reference Fee (part 2)

Bảng giá cước vận chuyển hàng hóa đường bộ từ Hà Nội đi các tỉnh

HÀ NỘI	500 – 1.000 (Kg)	1.000 – 2.500 (Kg)	2.500 trả lên (Kg)	5.000 – 10.000 (Kg)	10.000 (Kg) trả lên
Hải Phòng	1100	800	600	500	350
Lai Châu	3300	2800	2300	2100	1900
Điện Biên	4.000	3.000	2.500	2.300	2.100
Sơn La	3.000	2.500	1.900	1.700	1.500
Hòa Bình	1.100	800	600	500	400
Hà Giang	2.000	1.700	1.500	1.300	1.200
Cao Bằng	2.000	1.700	1.500	1.300	1.200
Lào Cai	2.000	1.700	1.500	1.300	1.200
Yên Bái	1.600	1.200	900	800	700
Tuyên Quang	1.400	1.100	800	700	600
Bắc Kạn	1.600	1.200	900	800	700
Thái Nguyên	900	700	500	400	350
Lạng Sơn	1.600	1.200	900	800	700
Việt Trì	1.100	800	600	500	400
Bắc Giang	1.200	900	700	600	500
Hi Long	1.600	1.200	900	800	700
Vĩnh Phúc	700	500	400	350	300

Lưu ý: Bảng giá trên mang tính chất tham khảo

Figure 4.2-186 Reference Fee (part 3)

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Bảng giá tham chiếu chi phí vận chuyển	goodsTypeList	dataTable			
2	Bảng giá cước vận chuyển hàng hóa đường bộ từ TP.HCM đi các tỉnh		graphicImage			
3	Bảng giá cước vận chuyển hàng hóa đường bộ từ Hà Nội đi các tỉnh		graphicImage			

#### 4.2.2.53.3 Sequence Diagram

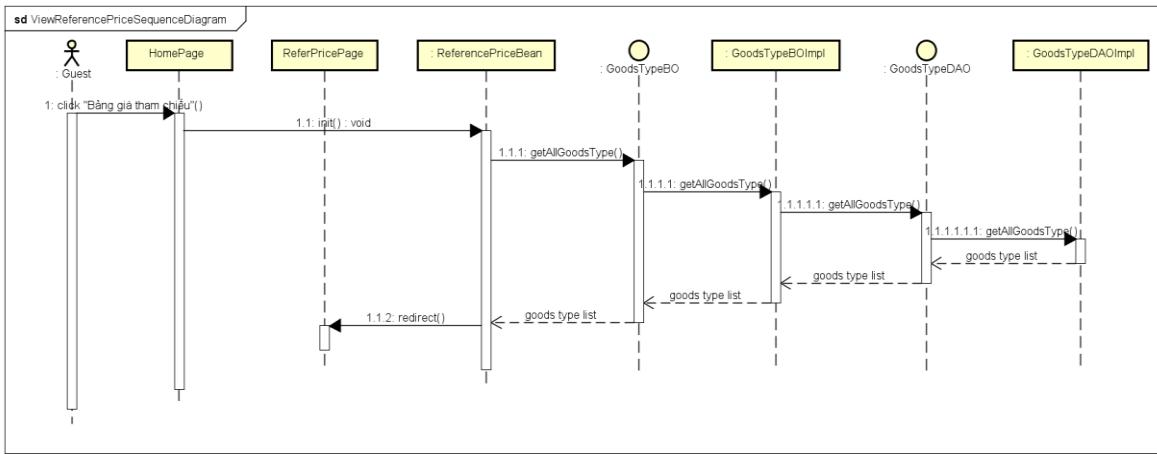


Figure 4.2-187 View Reference Fee Sequence Diagram

#### 4.2.2.54 Goods owner confirm complete transaction

##### 4.2.2.54.1 Class Diagram

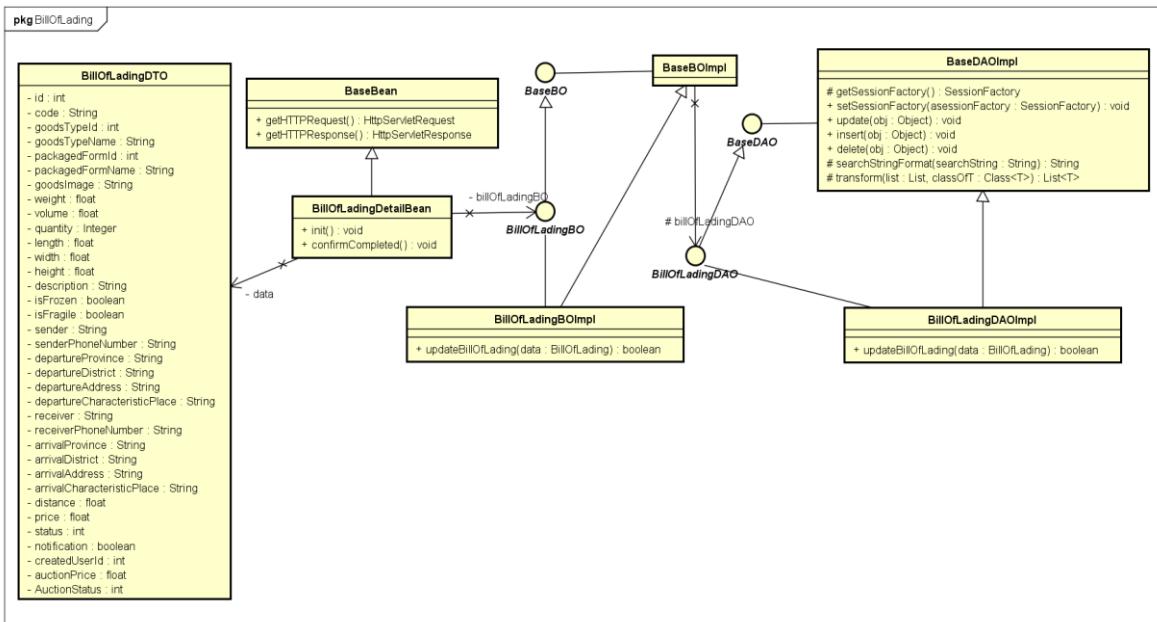


Figure 4.2-188 Confirm Complete Transaction Class Diagram

#### 4.2.2.54.2 Screen Design

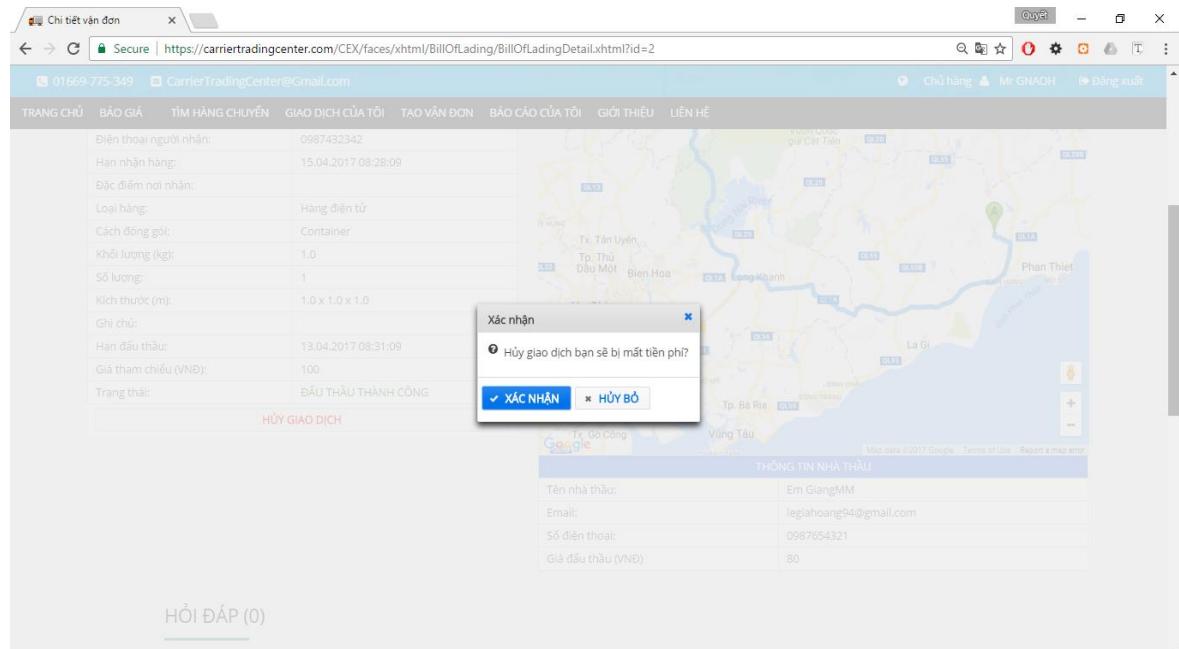


Figure 4.2-189 Confirm Dialog

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Xác nhận	confirm	commandButton			
2	Hủy bỏ	cancel	commandButton			

#### 4.2.2.54.3 Sequence Diagram

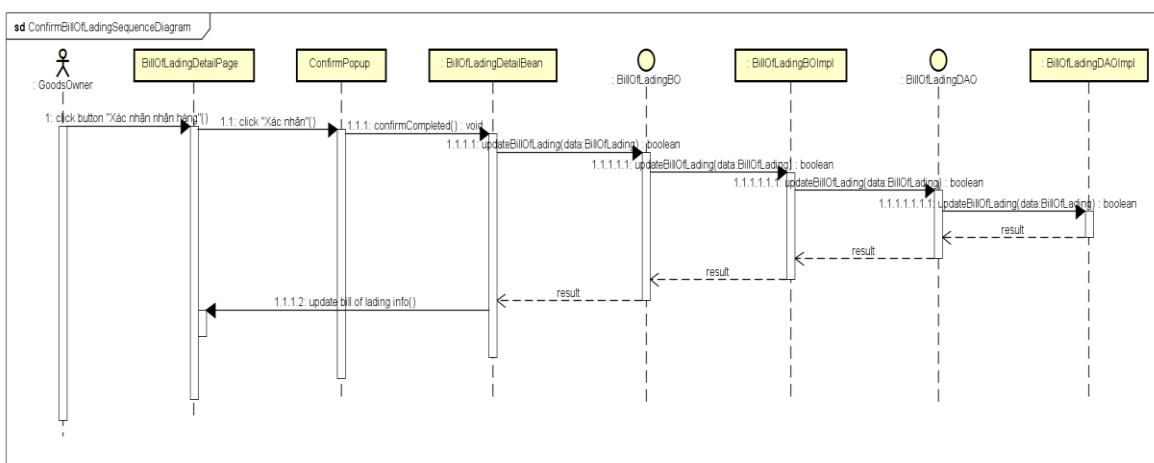
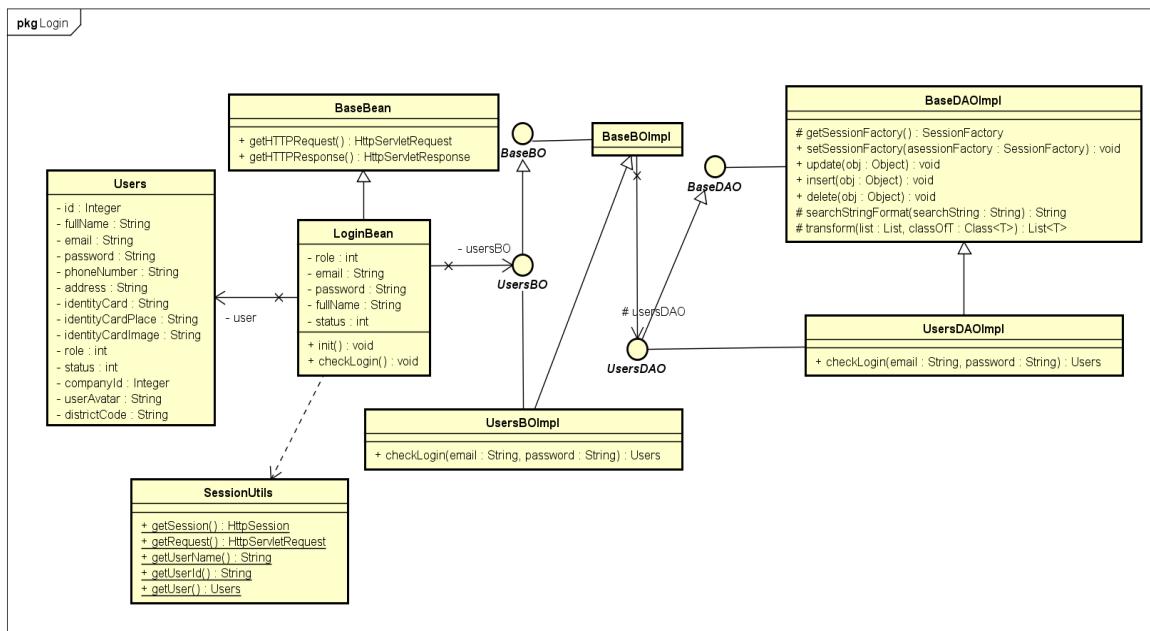


Figure 4.2-190 Confirm Complete Transaction Sequence Diagram

#### 4.2.2.55 Goods owner Login

#### 4.2.2.55.1 Class Diagram



**Figure 4.2-191 Login**

#### 4.2.2.55.2 Screen Design

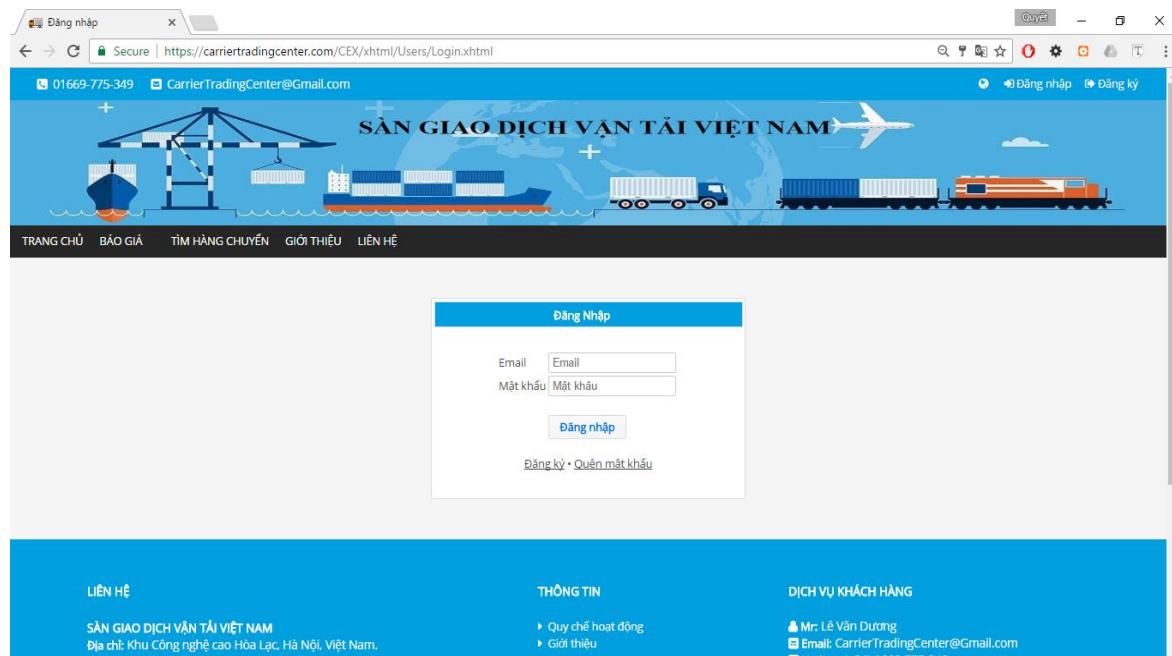


Figure 4.2-192 Login

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Đăng nhập	loginForm	panelGrid			
2	Email	email	inputText			

3	Mật khẩu	password	password			
---	----------	----------	----------	--	--	--

#### 4.2.2.55.3 Sequence Diagram

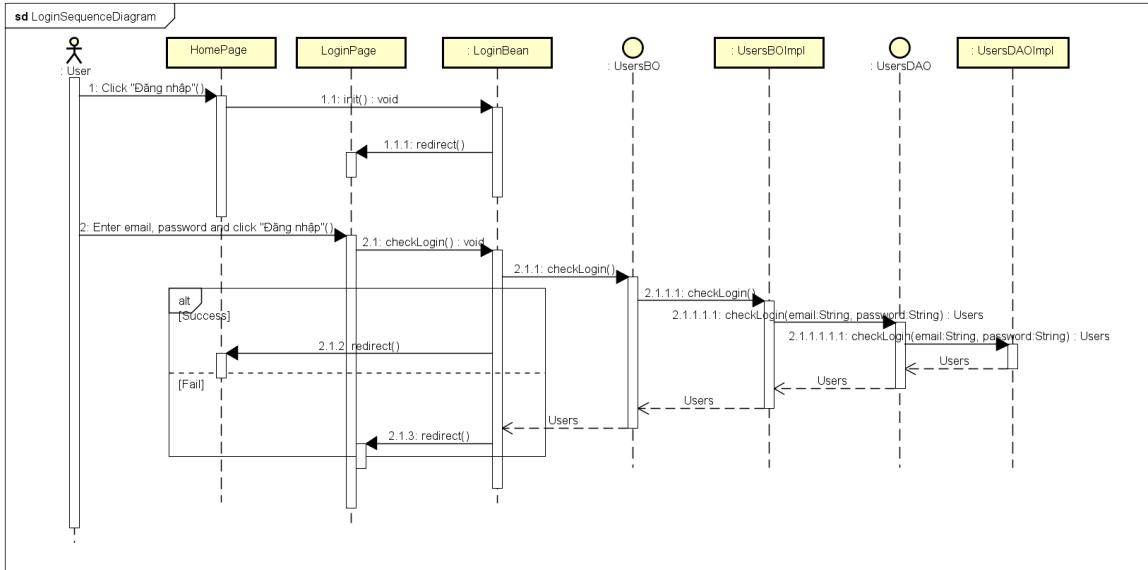


Figure 4.2-193 Login Sequence Diagram

#### 4.2.2.56 Goods owner logout

##### 4.2.2.56.1 Class Diagram

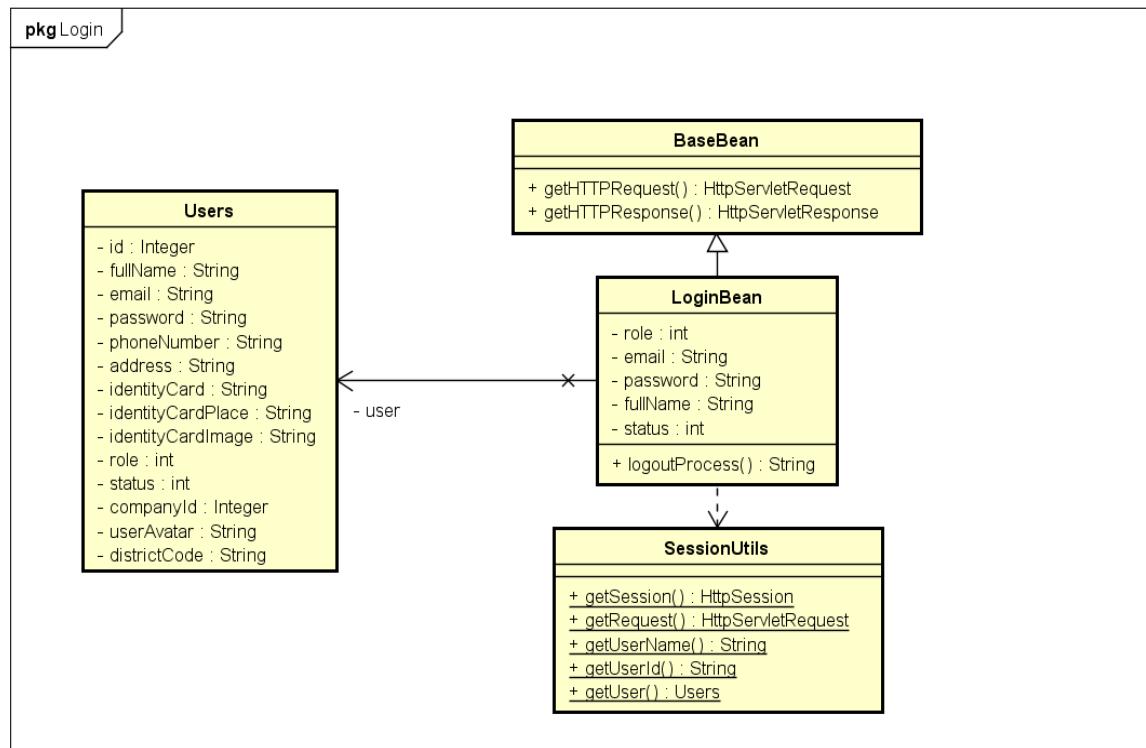


Figure 4.2-194 Logout Class Diagram

#### 4.2.2.56.2 Screen Design

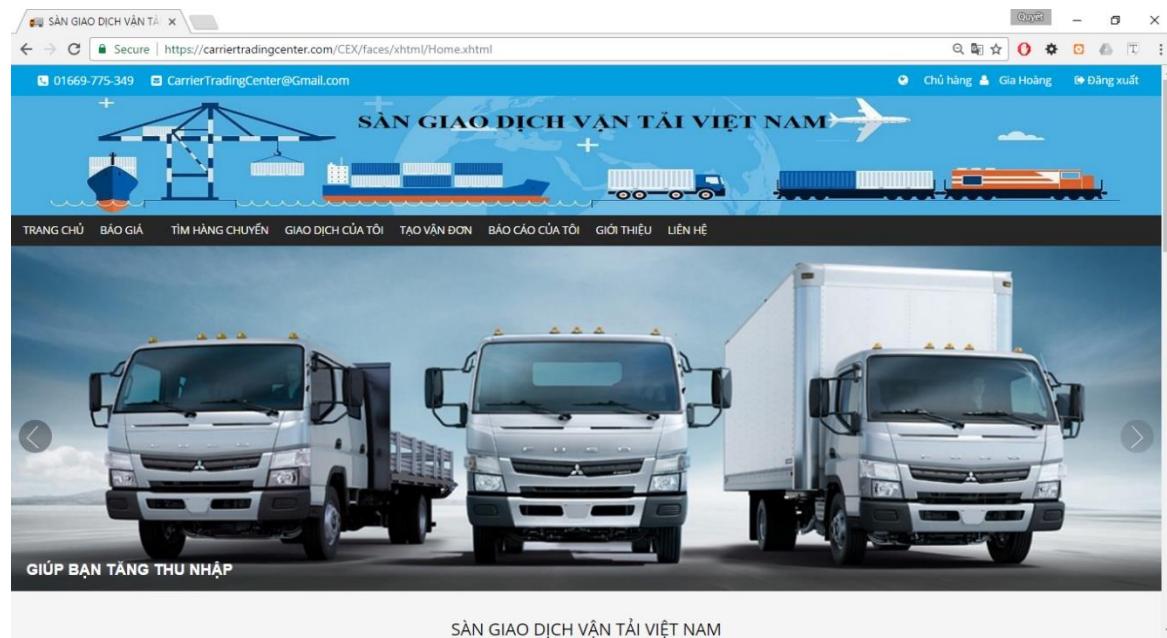


Figure 4.2-195 Logout

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Đăng xuất	logout	commandLink			

#### 4.2.2.56.3 Sequence Diagram

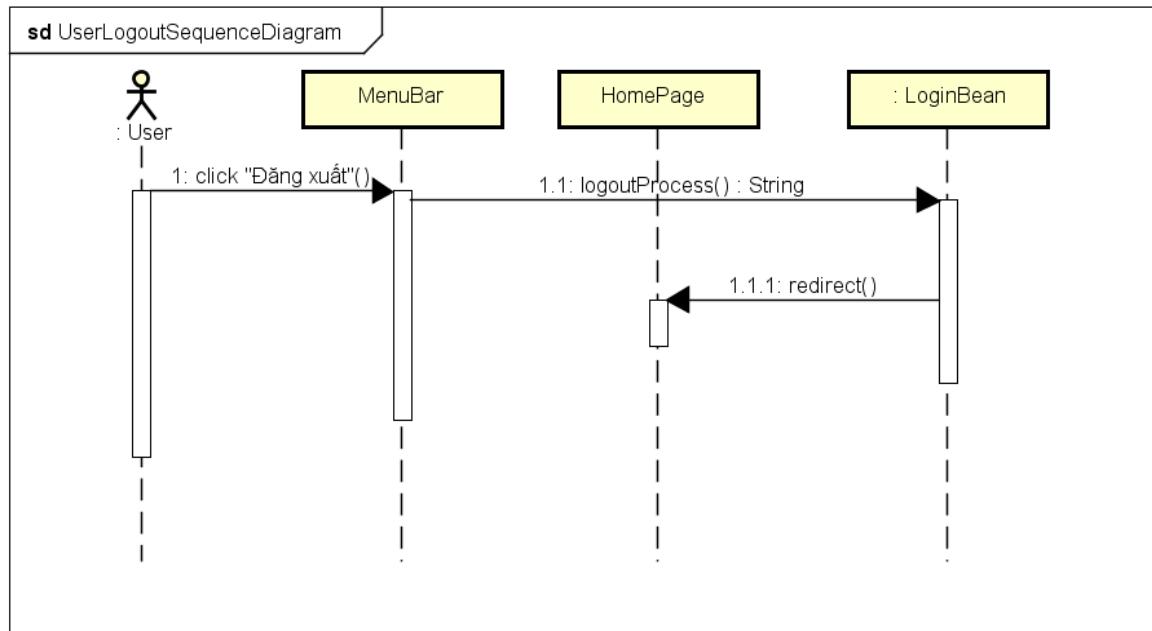


Figure 4.2-196 Logout Sequence Diagram

#### 4.2.2.57 Goods owner cancel report

##### 4.2.2.57.1 Class Diagram

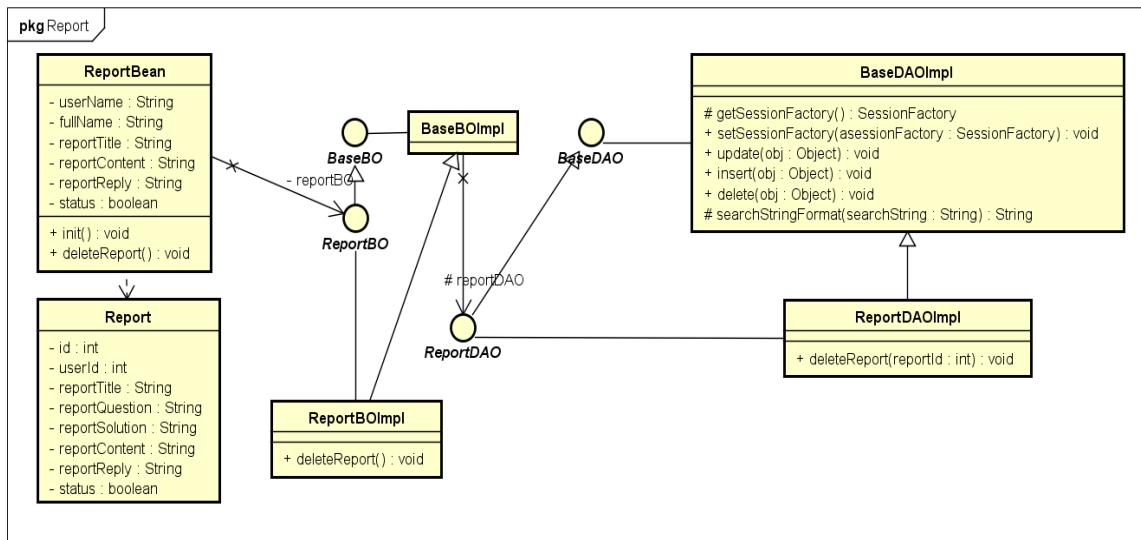


Figure 4.2-197 Cancel Report Class Diagram

##### 4.2.2.57.2 Screen Design

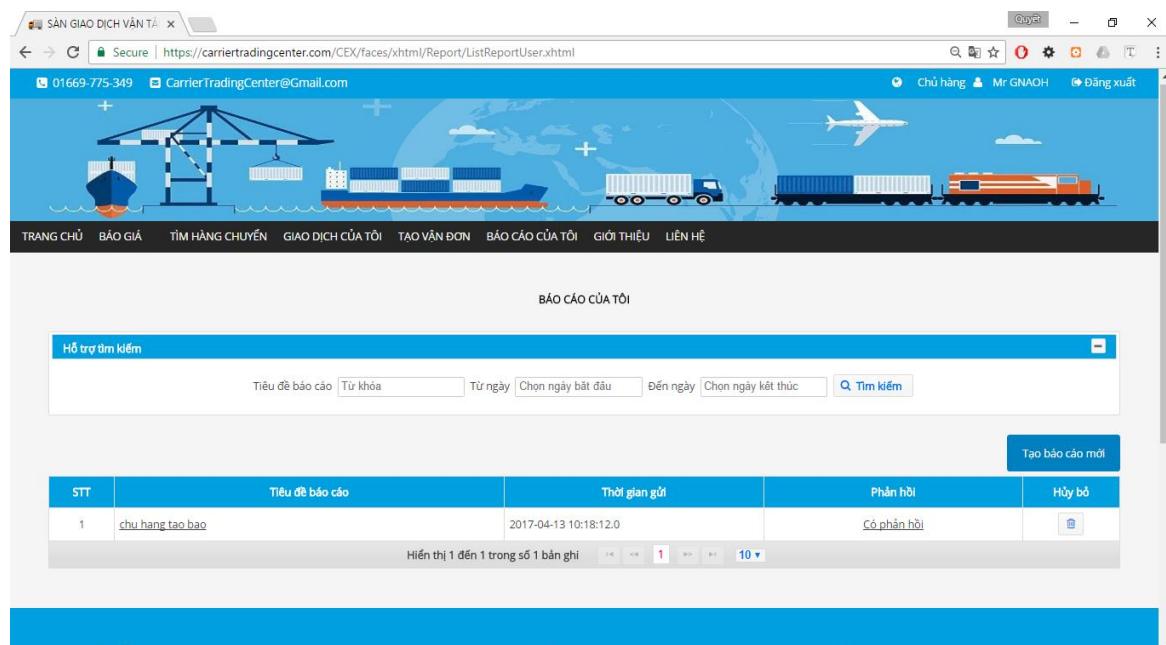


Figure 4.2-198 List Report

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Hỗ trợ tìm kiếm		panelGrid			
2	Tiêu đề báo cáo	reportTitle	inputText	No	75	
3	Từ ngày	reportDateBegin	calendar	No		
4	Đến ngày	reportDateEnd	calendar	No		

5	Tìm kiếm	search	commandButton			
6	Hủy bỏ	cancel	commandButton			
7	Danh sách báo cáo	listsReport	dataTable			

#### 4.2.2.57.3 Sequence Diagram

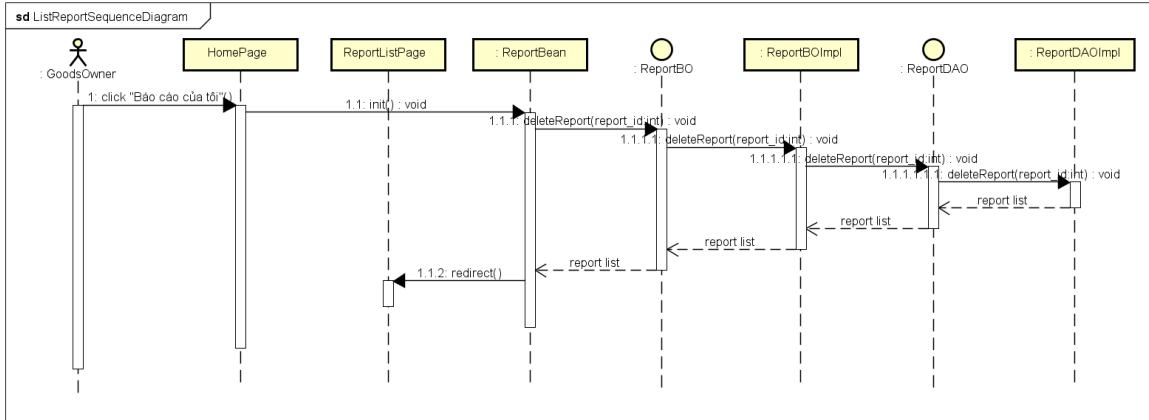


Figure 4.2-199 Cancel Report Sequence Diagram

#### 4.2.2.58 Goods owner view fee list

##### 4.2.2.58.1 Class Diagram

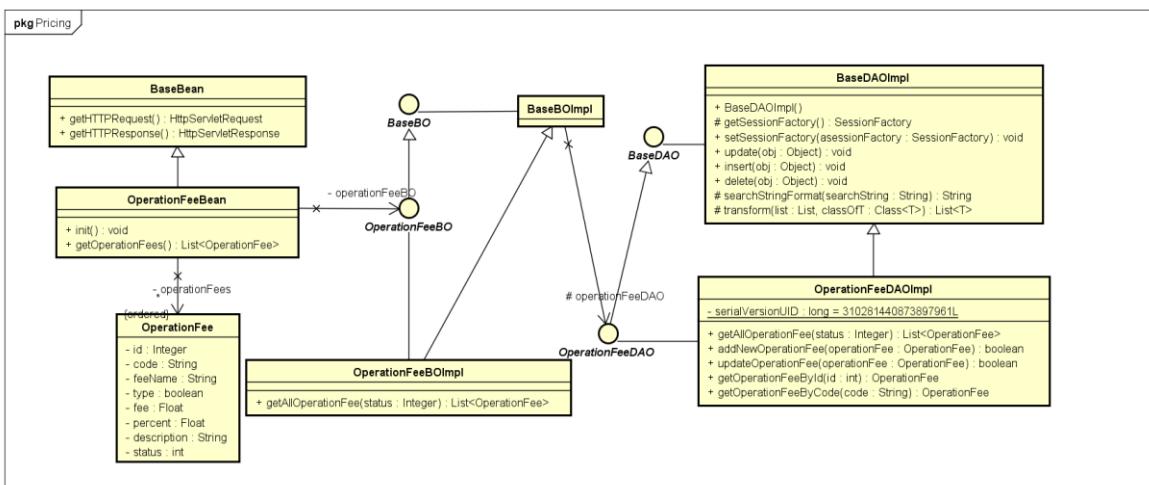


Figure 4.2-200 Fee List Class Diagram

#### 4.2.2.58.2 Screen Design

STT	Chi Phí	Mã	Giá	Mô Tả
1	Tiền cọc đăng vận đơn	C001	10.0 (%)	Tiền cọc khi chủ hàng đăng vận đơn. Tính theo 10% giá trân.
2	Tiền cọc đặt thầu	C002	10.0 (%)	Tiền cọc khi chủ xe đặt thầu vận đơn. Tính theo 10% tiền đặt thầu.
3	Phí đăng vận đơn	F001	10,000(VND)	Phí khi chủ hàng đăng vận đơn.
4	Phí đấu thầu	F002	10,000(VND)	Phí khi chủ xe đấu thầu vận đơn 2.
5	DuongLV	XXX	10,000(VND)	DuongLV Test

Figure 4.2-201 Fee List

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Danh sách các loại chi phí	feeDataTable	dataTable			

#### 4.2.2.58.3 Sequence Diagram

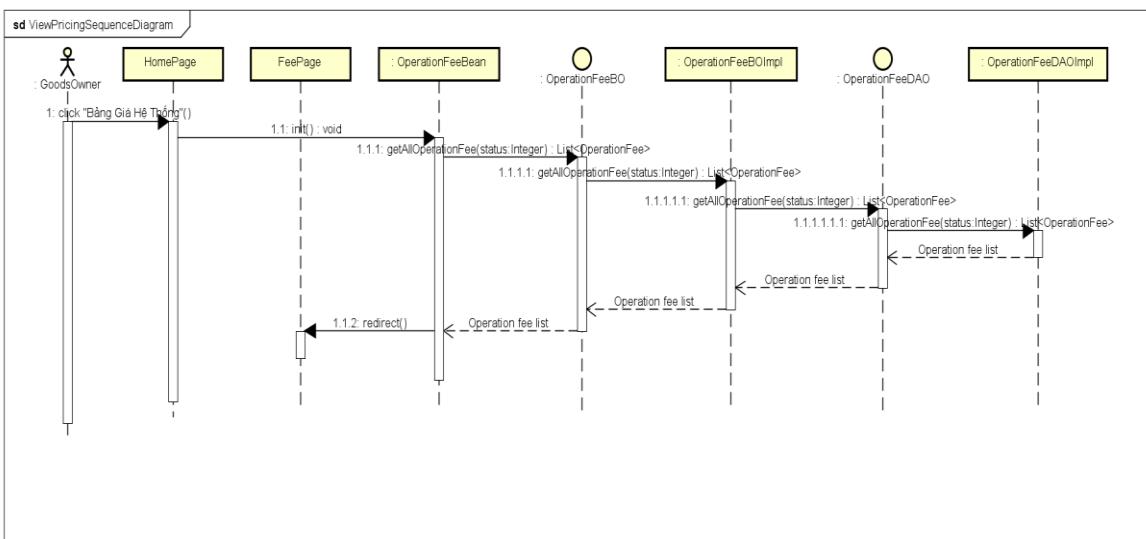


Figure 4.2-202 Fee List Sequence Diagram

#### 4.2.2.59 Goods owner add company

##### 4.2.2.59.1 Class Diagram

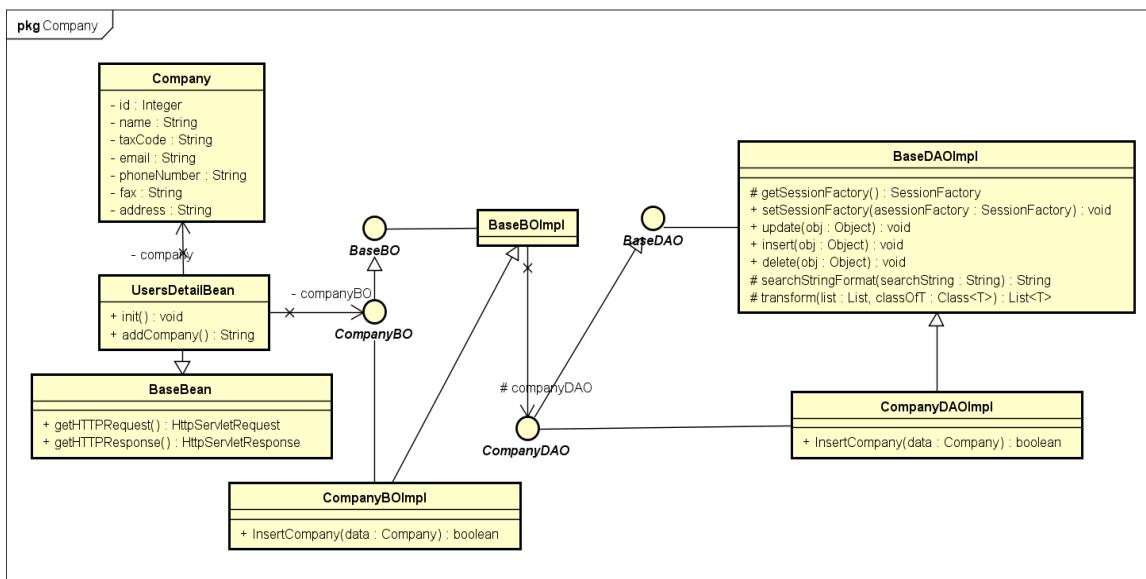


Figure 4.2-203 Goods Owner Add Company Class Diagram

##### 4.2.2.59.2 Screen Design

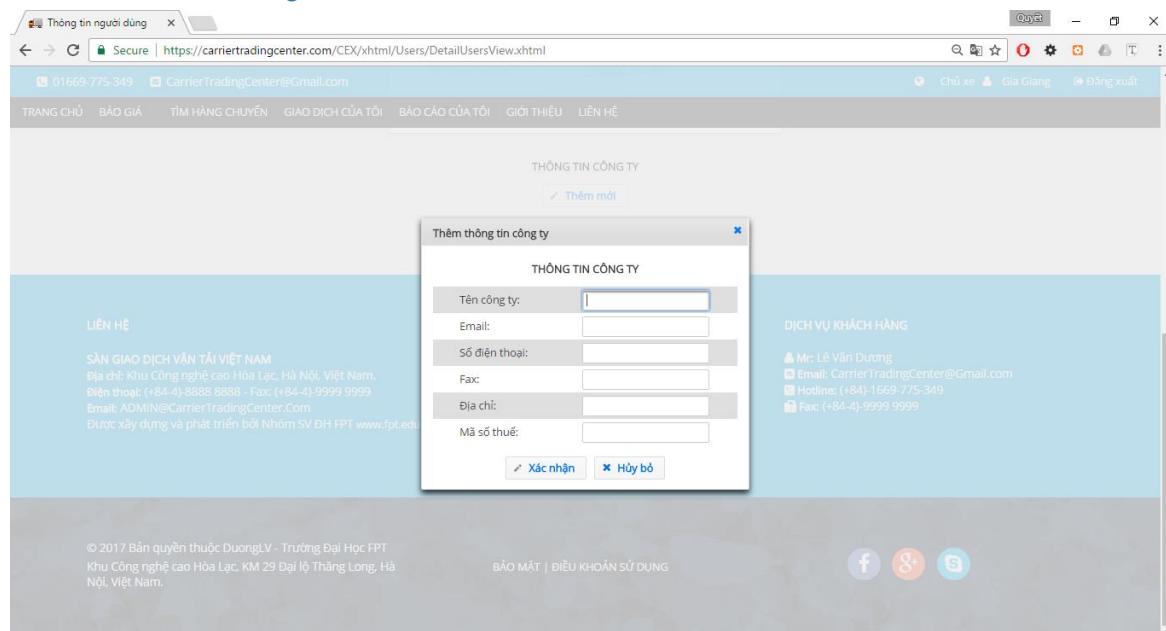
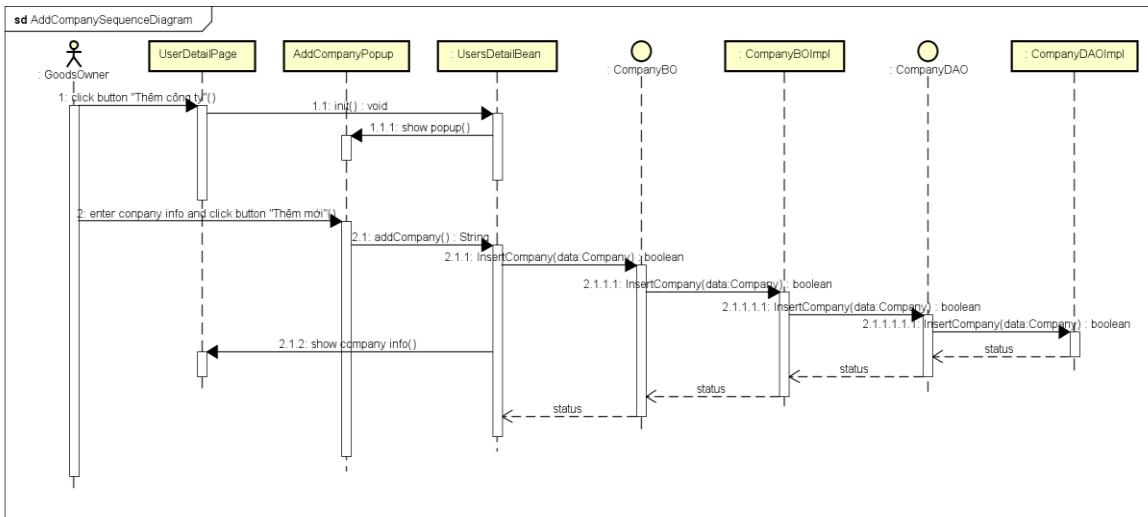


Figure 4.2-204 Add Company

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin công ty	companyInformation	panelGrid			
2	Tên công ty	comapnyName	inputText		100	
3	Email	email	inputText		50	
4	Số điện thoại	phoneNumber	inputText		11	

5	Fax	fax	inputText		20	
6	Địa chỉ	address	inputText		100	
7	Mã số thuế	taxCode	inputText		20	
8	Lưu thay đổi	confirm	commandButton			
9	Hủy bỏ	cancel	commandButton			

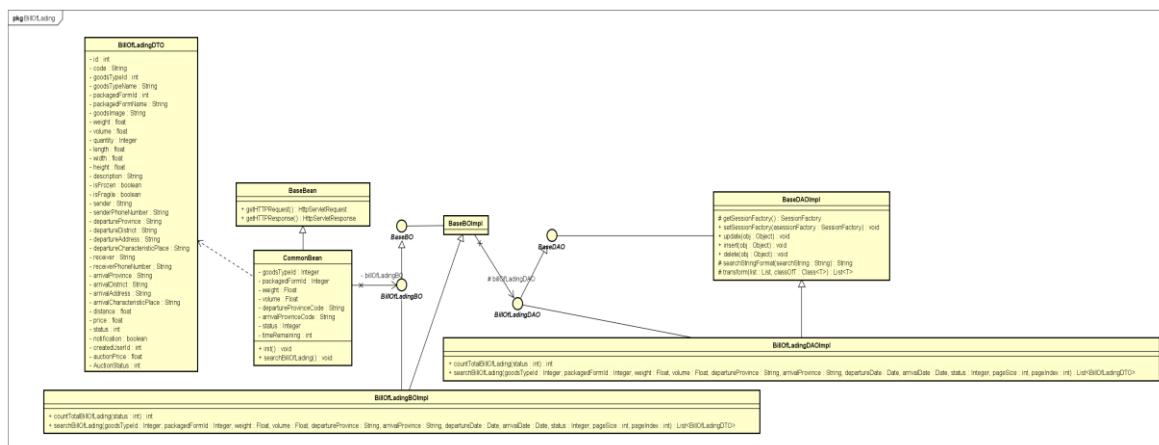
### 4.2.2.59.3 Sequence Diagram



## Figure 4.2-205 Add Company Information Sequence Diagram

#### 4.2.2.60 Carrier view list bill of lading

#### 4.2.2.60.1 Class Diagram



## Figure 4.2-206 View List Bill of Lading

#### 4.2.2.60.2 Screen Design

STT	Hình ảnh	Loại hàng	Hình thức đóng gói	Lộ trình	Khối lượng	Thể tích	Thời gian còn lại	Giá tham chiếu	XEM
1		Đồ uống	Thùng cát tông	Sơn Động, Bắc Giang - Tiên Hải, Thái Bình 04.05.2017 22:30:33 - 19.05.2017 22:30:33	12000.0 (kg)	100.0 (m³)	19 ngày	50,000,000 (VNĐ)	
2		Động vật	Thùng gỗ	Kim Bảng, Hà Nam - Đăk Đoa, Gia Lai 05.05.2017 22:30:33 - 19.05.2017 22:30:33	21000.0 (kg)	200.0 (m³)	21 ngày	20,000,000 (VNĐ)	
3		Hàng điện tử	Cuộn	Kim Bảng, Hà Nam - Đăk Đoa, Hà Nội 05.05.2017 22:30:33 - 20.05.2017 22:30:33	3200.0 (kg)	100.0 (m³)	19 ngày	20,000,000 (VNĐ)	

Figure 4.2-207 List Bills of Lading

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Loại Hàng	goodTypeId	selectOneMenu	No		
2	Hình thức đóng gói	packageFormId	selectOneMenu	No		
3	Khối lượng	weight	inputText	No		
4	Thể tích	volume	inputText	No		
5	Địa điểm đi	slbDepartureProvinceID	selectOneMenu	No		
6	Địa điểm đến	slbArrivalProvinceID	selectOneMenu	No		
7	Thời gian đi	departureDate	calendar	No		
8	Thời gian đến	arrivalDate	calendar	No		
9	Tìm kiếm	search	commandButton			
10	Danh sách đơn hàng	table_billoflading	dataTable			

#### 4.2.2.60.3 Sequence Diagram

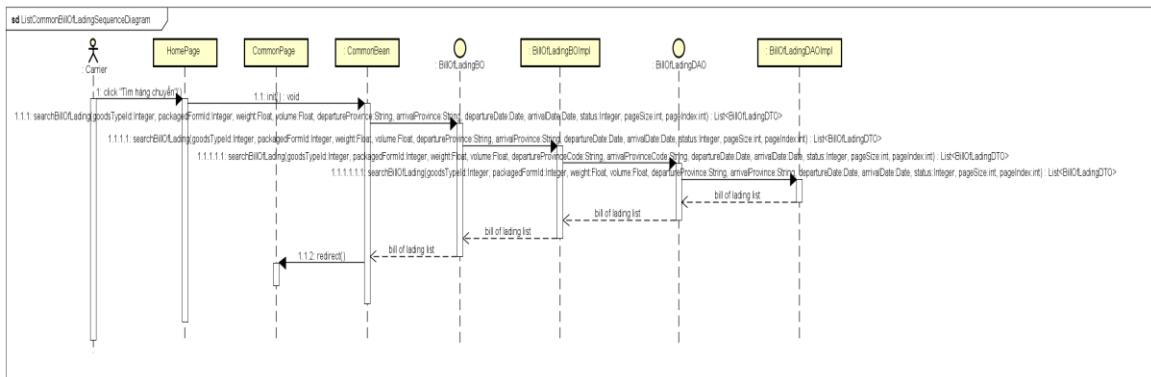


Figure 4.2-208 List Bill of Lading Sequence Diagram

#### 4.2.2.61 Carrier owner view fee list

##### 4.2.2.61.1 Class Diagram

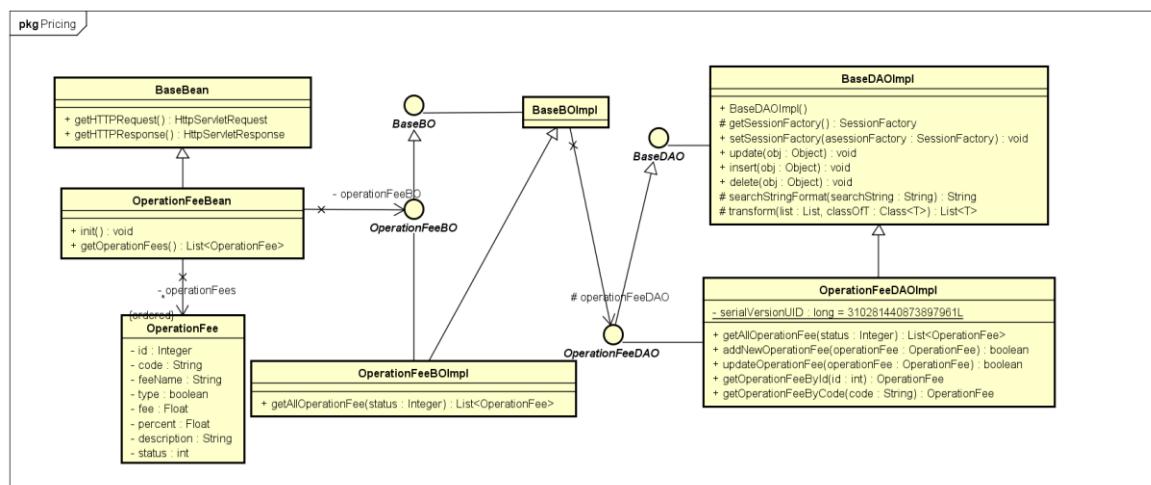


Figure 4.2-209 Fee List Class Diagram

##### 4.2.2.61.2 Screen Design

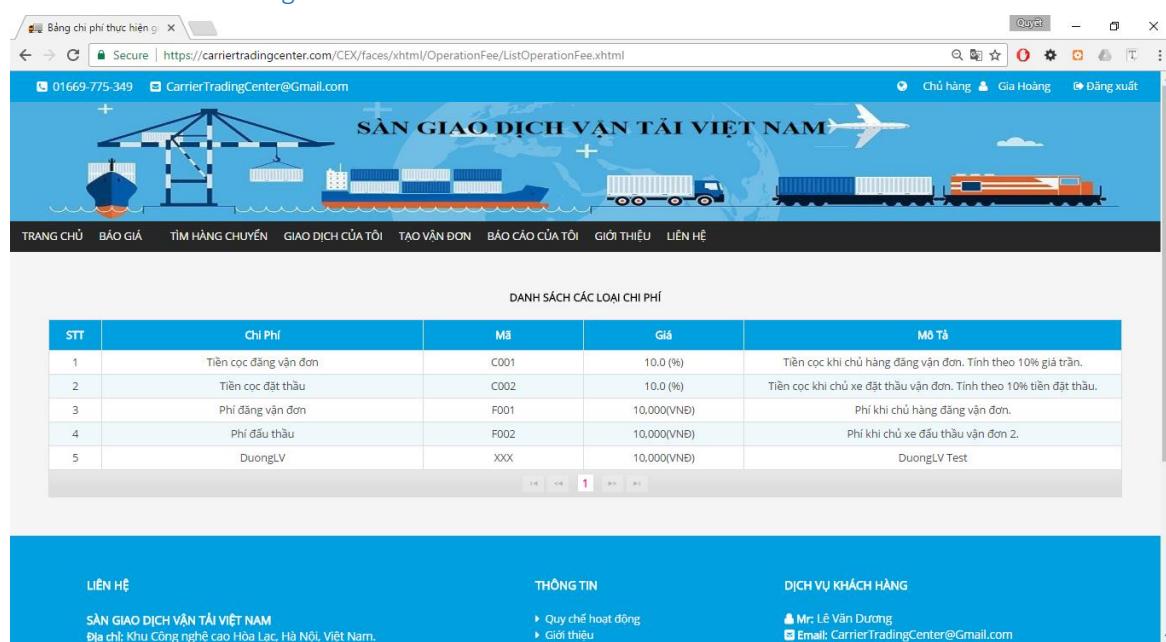


Figure 4.2-210 Fee List

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Danh sách các loại chi phí	feeDataTable	dataTable			

#### 4.2.2.61.3 Sequence Diagram

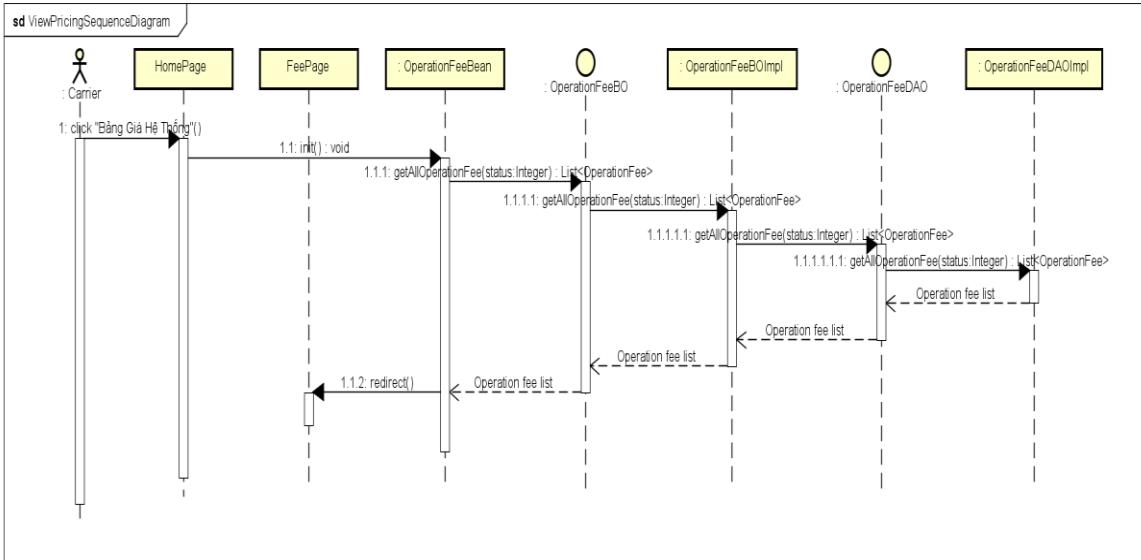


Figure 4.2-211 Fee List Sequence Diagram

#### 4.2.2.62 Carrier connect to goods owner

##### 4.2.2.62.1 Carrier comment to goods owner

###### 4.2.2.62.1.1 Class Diagram

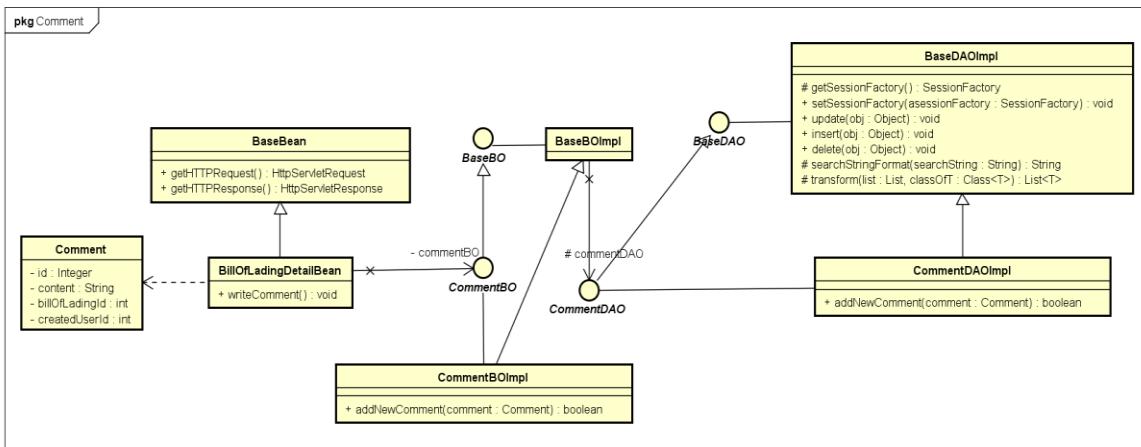


Figure 4.2-212 Comments to Goods Owner Class Diagram

#### 4.2.2.62.1.2 Screen Design

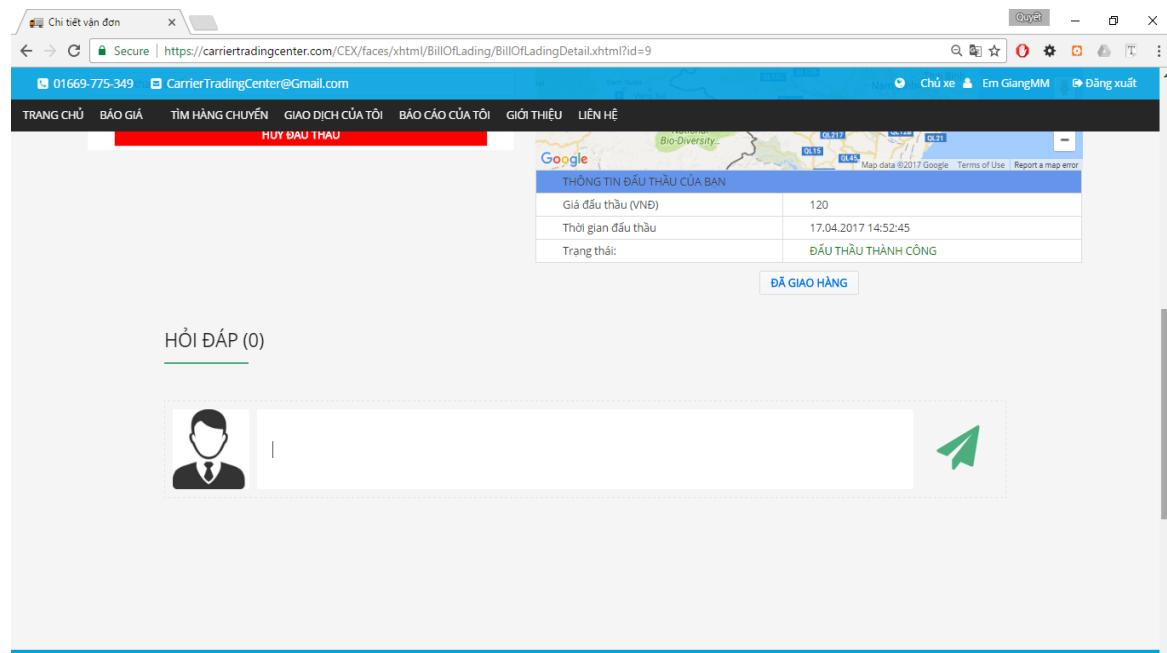


Figure 4.2-213 Write Comment

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Hỏi đáp	questionAnswer	panelGroup			
2	Button Send	send	commandButton			

#### 4.2.2.62.1.3 Sequence Diagram

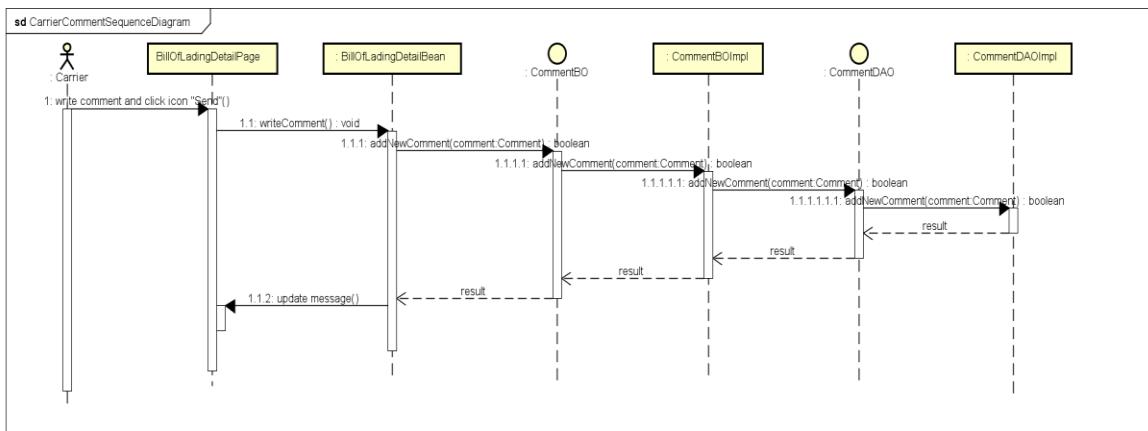
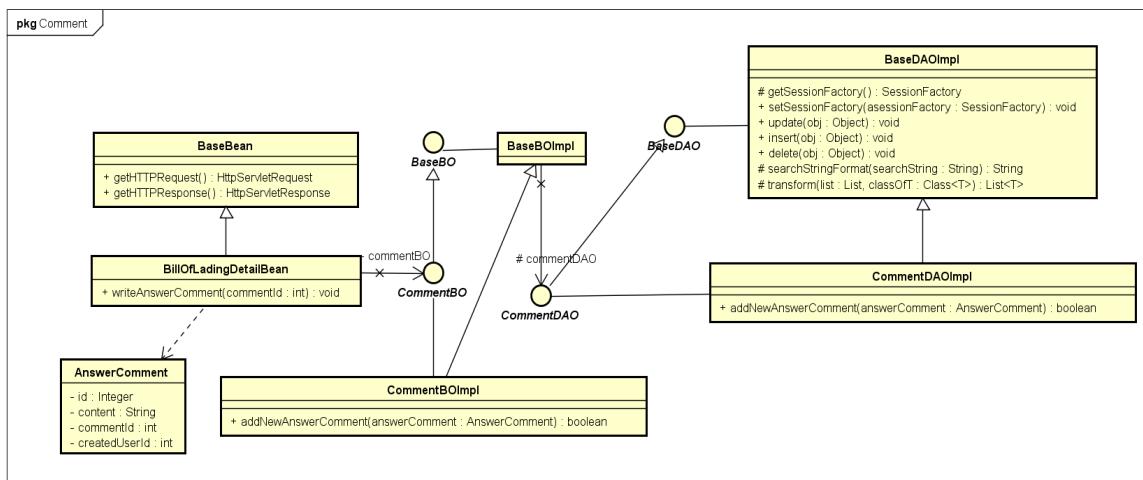


Figure 4.2-214 Comments to Goods Owner Sequence Diagram

#### 4.2.2.62.2 Carrier answer to goods owner

#### 4.2.2.62.2.1 Class Diagram



## Figure 4.2-215 Answers to Goods Owner Class Diagram

#### 4.2.2.62.2.2 Screen Design

### Figure 4.2-216 Answer Comment

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Hỏi đáp	questionAnswer	panelGroup			
2	Trả lời	reply	inputText			
3	Button Send	send	commandButton			

#### 4.2.2.62.2.3 Sequence Diagram

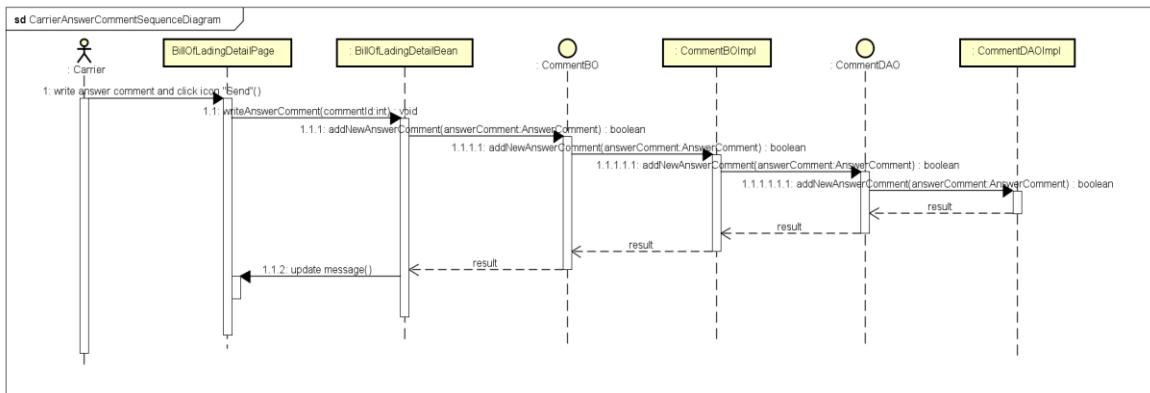


Figure 4.2-217 Answers to Goods Owner Sequence Diagram

#### 4.2.2.63 Carrier cancel report

##### 4.2.2.63.1 Class Diagram

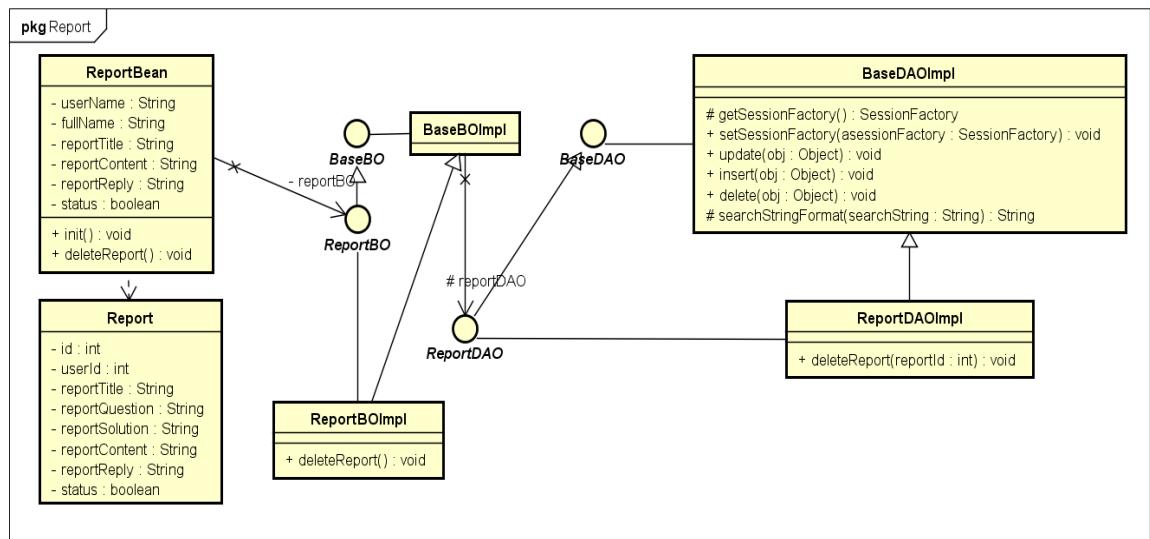


Figure 4.2-218 Cancel Report Class Diagram

## 4.2.2.63.2 Screen Design

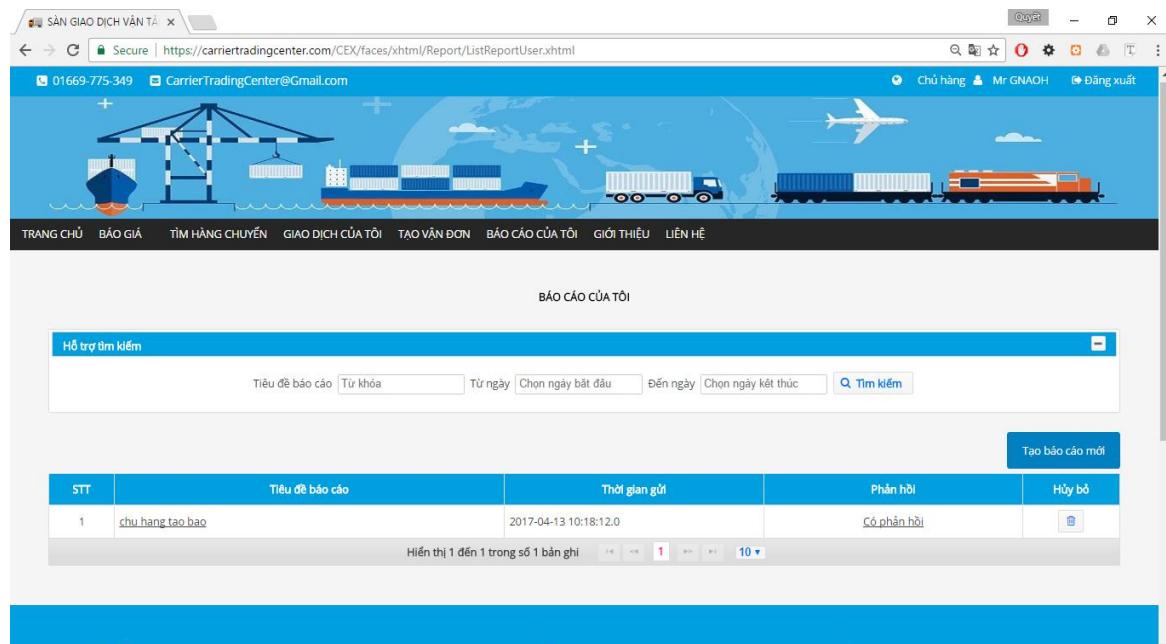


Figure 4.2-219 List Report

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Hỗ trợ tìm kiếm		panelGrid			
2	Tiêu đề báo cáo	reportTitle	inputText	No	75	
3	Từ ngày	reportDateBegin	calendar	No		
4	Đến ngày	reportDateEnd	calendar	No		
5	Tìm kiếm	search	commandButton			
6	Hủy bỏ	cancel	commandButton			
7	Danh sách báo cáo	litsReport	dataTable			

#### 4.2.2.63.3 Sequence Diagram

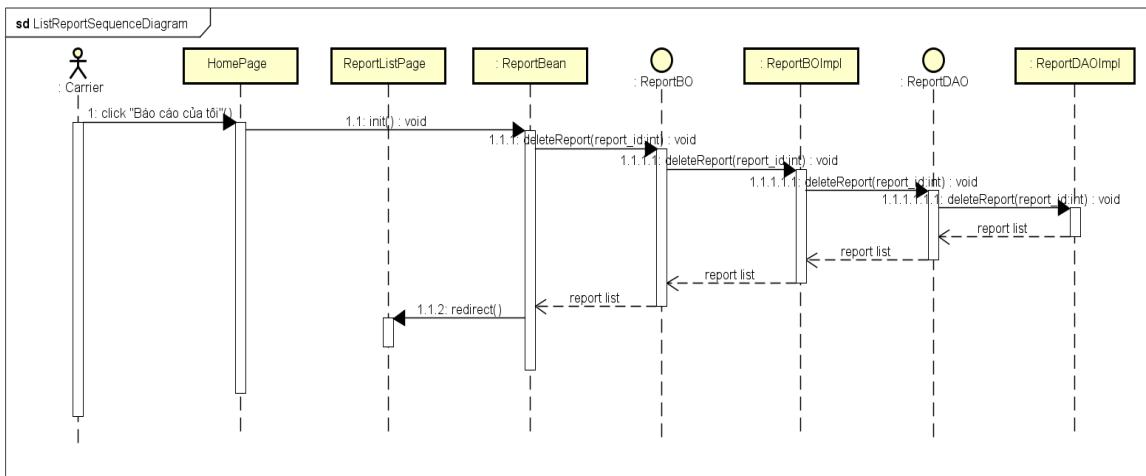


Figure 4.2-220 Cancel Report Sequence Diagram

#### 4.2.2.64 Carrier view bill of lading detail

##### 4.2.2.64.1 Class Diagram

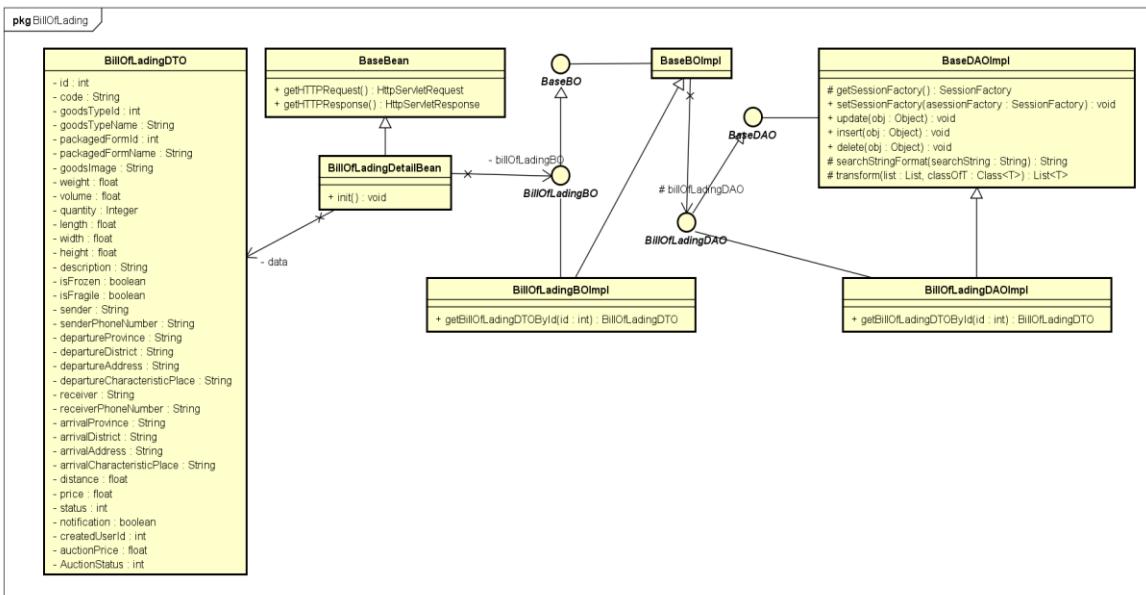


Figure 4.2-221 Detail Bills of Lading Class Diagram

#### 4.2.2.64.2 Screen Design

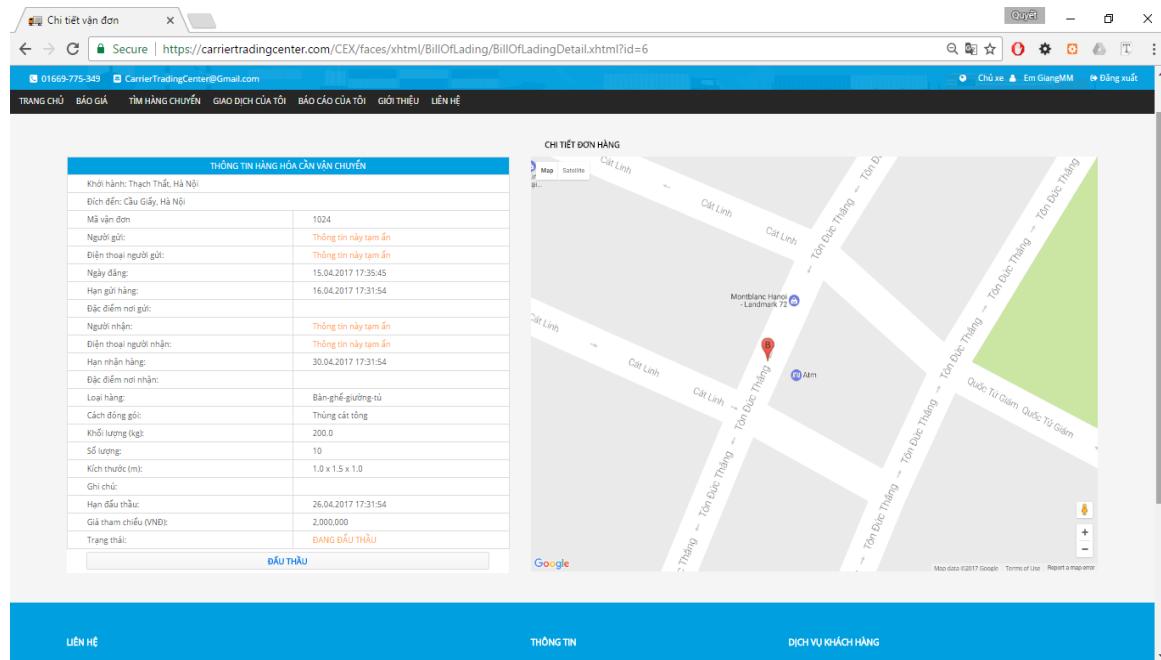


Figure 4.2-222 Detail Bills of Lading

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin hàng hóa cản vận chuyển	goodInformation	selectOneMenu			
2	Google Map	map	javaScript			
3	Đầu thầu	auction	commandButton			

#### 4.2.2.64.3 Sequence Diagram

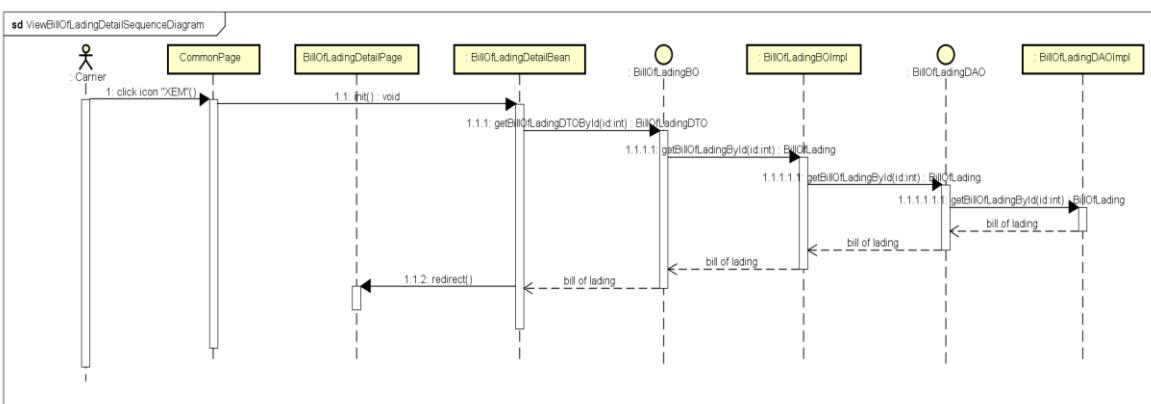


Figure 4.2-223 Detail Bills of Lading Sequence Diagram

#### 4.2.2.65 Carrier auction bill of lading

##### 4.2.2.65.1 Class Diagram

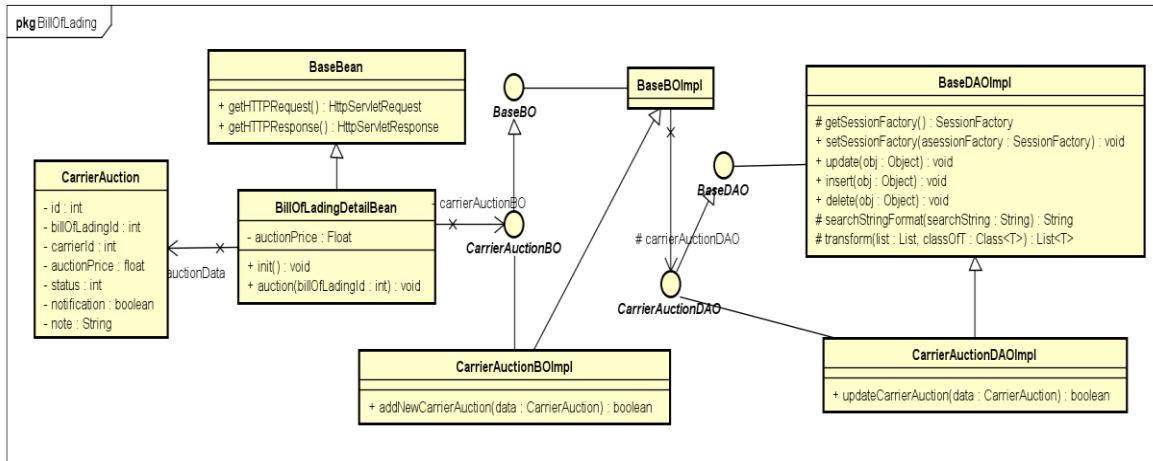


Figure 4.2-224 Auction Bill of Lading Class Diagram

##### 4.2.2.65.2 Screen Design

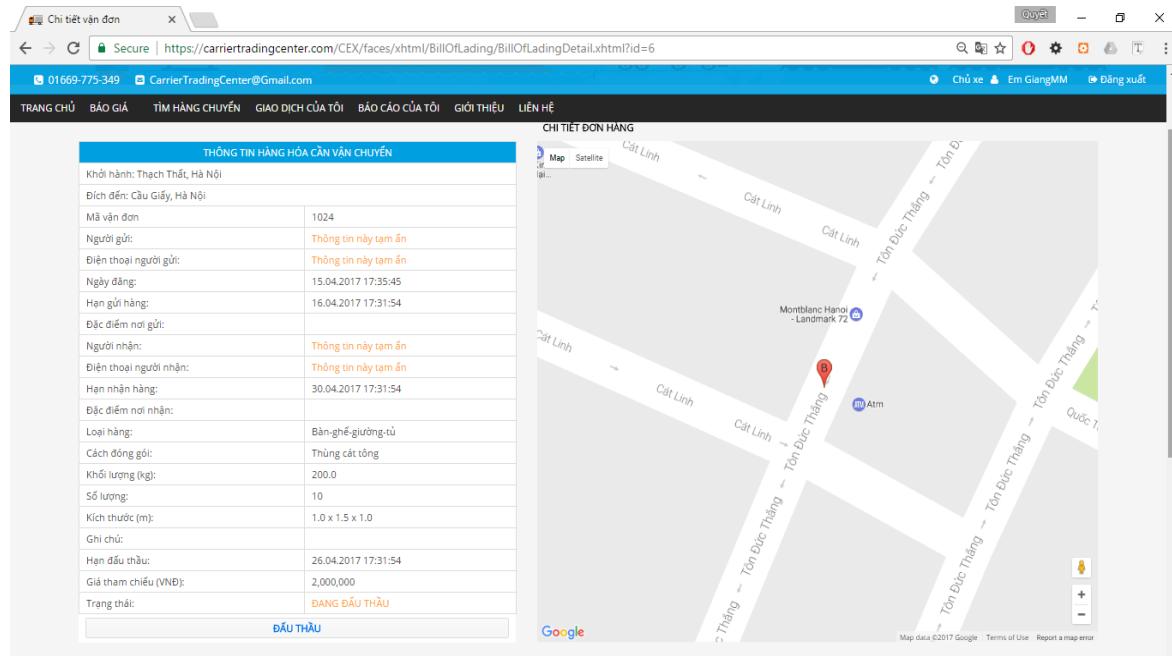


Figure 4.2-225 Auction Bills of Lading

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin hàng hóa cần vận chuyển	good_information	panelGrid			
2	Gmap	gmap	Java script			
3	Đầu thầu	auction	commandButton			

#### 4.2.2.65.3 Sequence Diagram

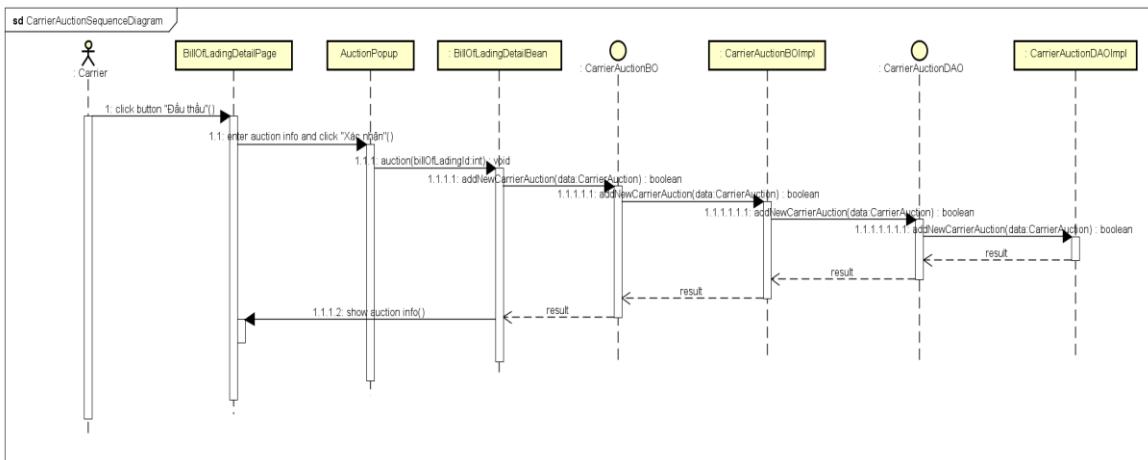


Figure 4.2-226 Auction Bill of Lading Sequence Diagram

#### 4.2.2.66 Carrier account recharge

##### 4.2.2.66.1 Class Diagram

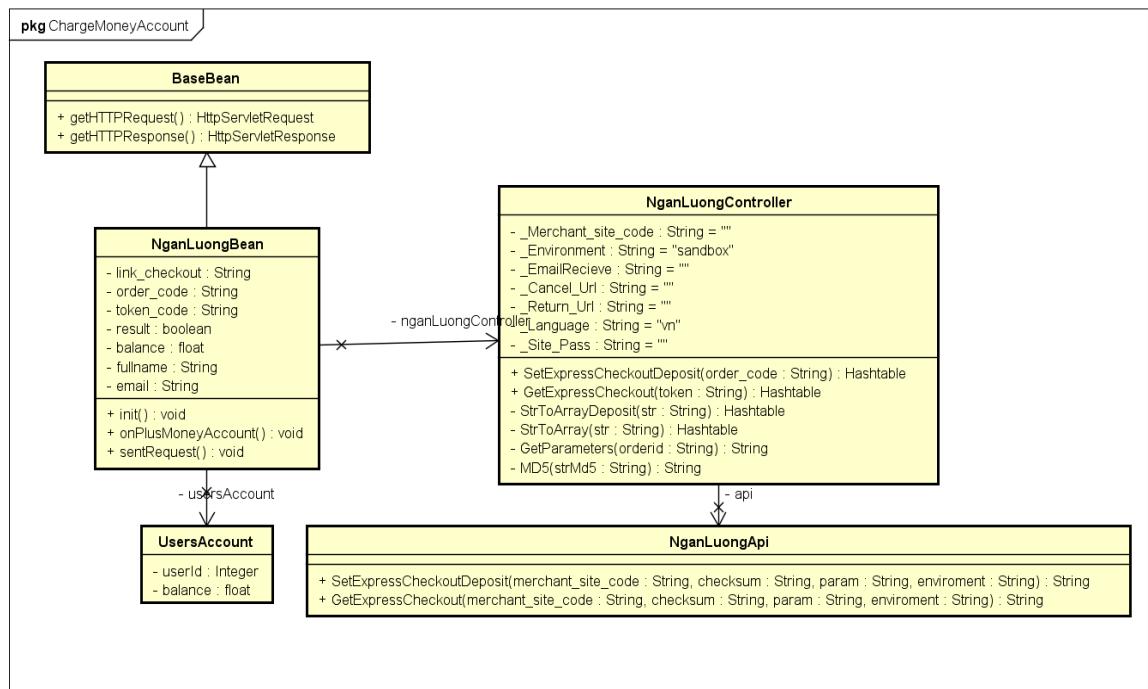


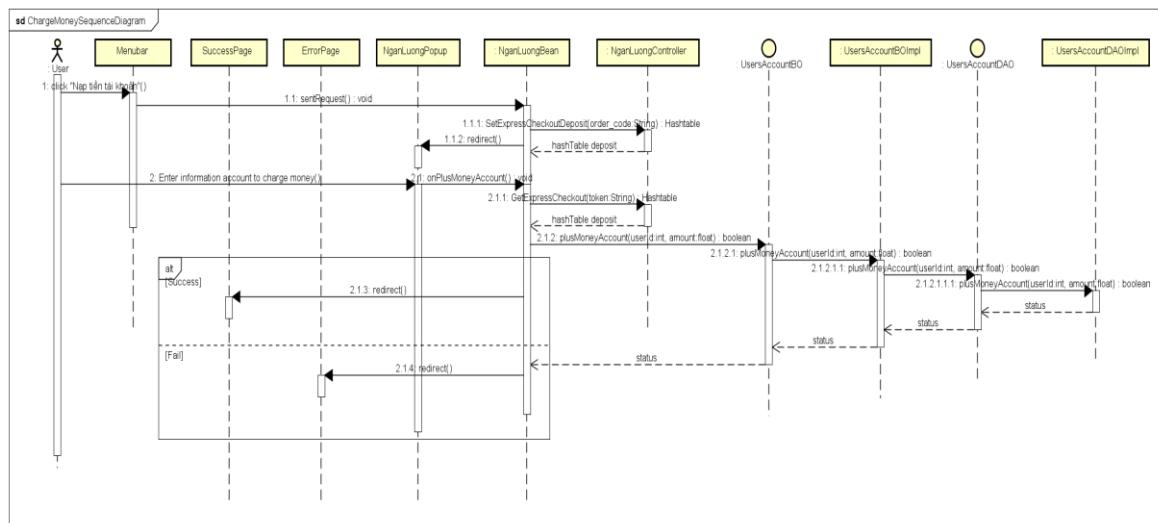
Figure 4.2-227 Account Recharge Class Diagram

## 4.2.2.66.2 Screen Design

Figure 4.2-228 Account Recharge

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Nạp tiền vào tài khoản	accountRecharge	NganLuong API			

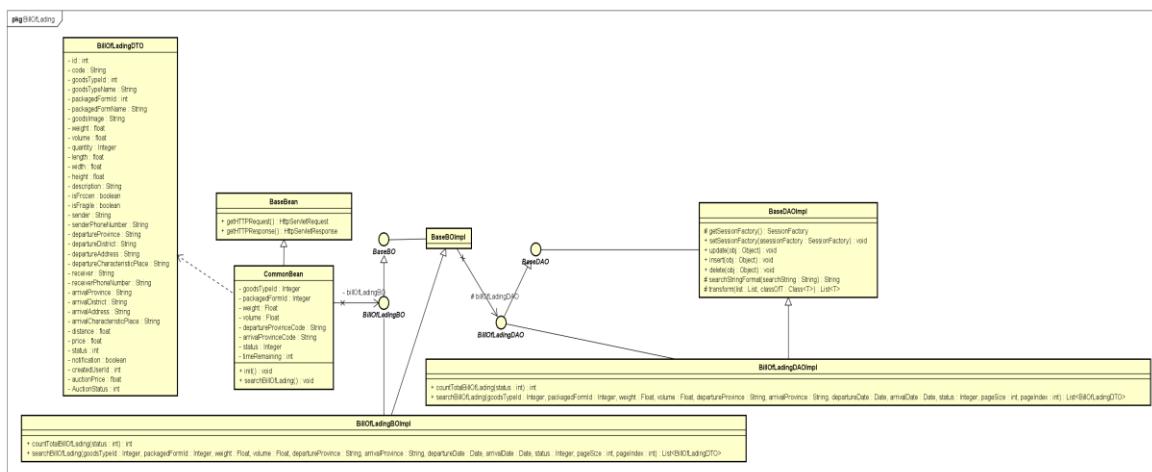
### 4.2.2.66.3 Sequence Diagram



## Figure 4.2-229 Account Recharge Sequence Diagram

#### 4.2.2.67 Carrier search bill of lading

#### 4.2.2.67.1 Class Diagram



**Figure 4.2-230 Search Bill of Lading Class Diagram**

## 4.2.2.67.2 Screen Design

Figure 4.2-231 Search Bills of lading

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Loại Hàng	goodTypeId	selectOneMenu	No		
2	Hình thức đóng gói	packageFormId	selectOneMenu	No		
3	Khối lượng	weight	inputText	No		
4	Thể tích	volume	inputText	No		
5	Địa điểm đi	slbDepartureProvinceID	selectOneMenu	No		
6	Địa điểm đến	slbArrivalProvinceID	selectOneMenu	No		
7	Thời gian đi	departureDate	calendar	No		
8	Thời gian đến	arrivalDate	calendar	No		

#### 4.2.2.67.3 Sequence Diagram

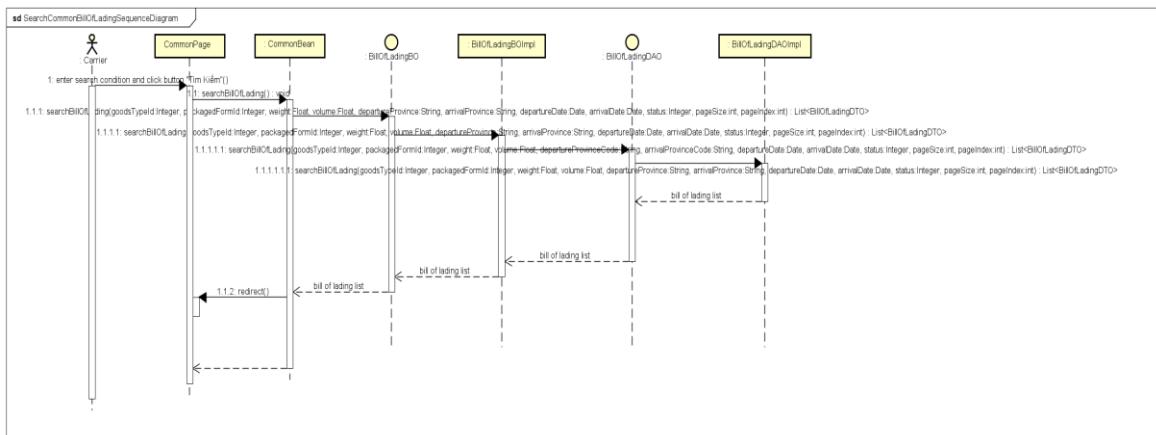


Figure 4.2-232 Search Bill of Lading Sequence Diagram

#### 4.2.2.68 Carrier cancel bill of lading

##### 4.2.2.68.1 Class Diagram

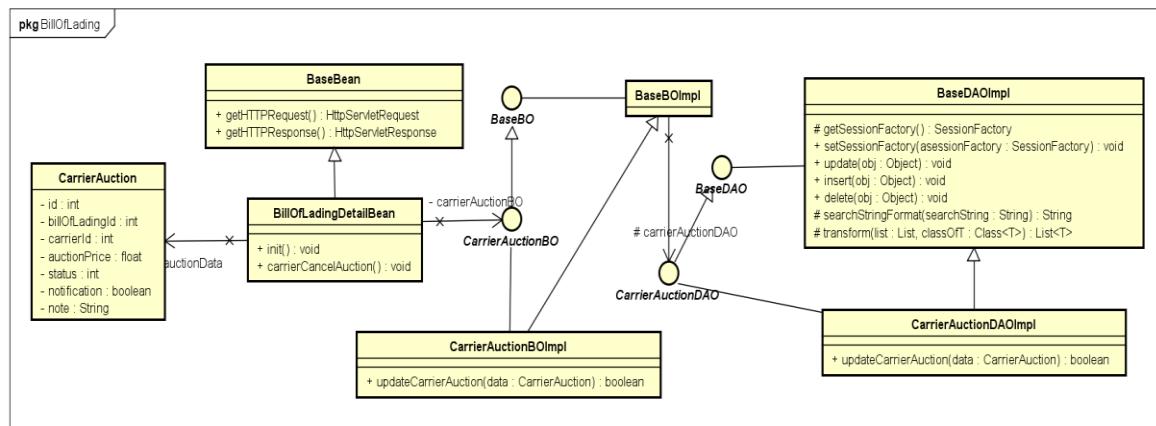


Figure 4.2-233 Cancel Bill of Lading Class Diagram

#### 4.2.2.68.2 Screen Design

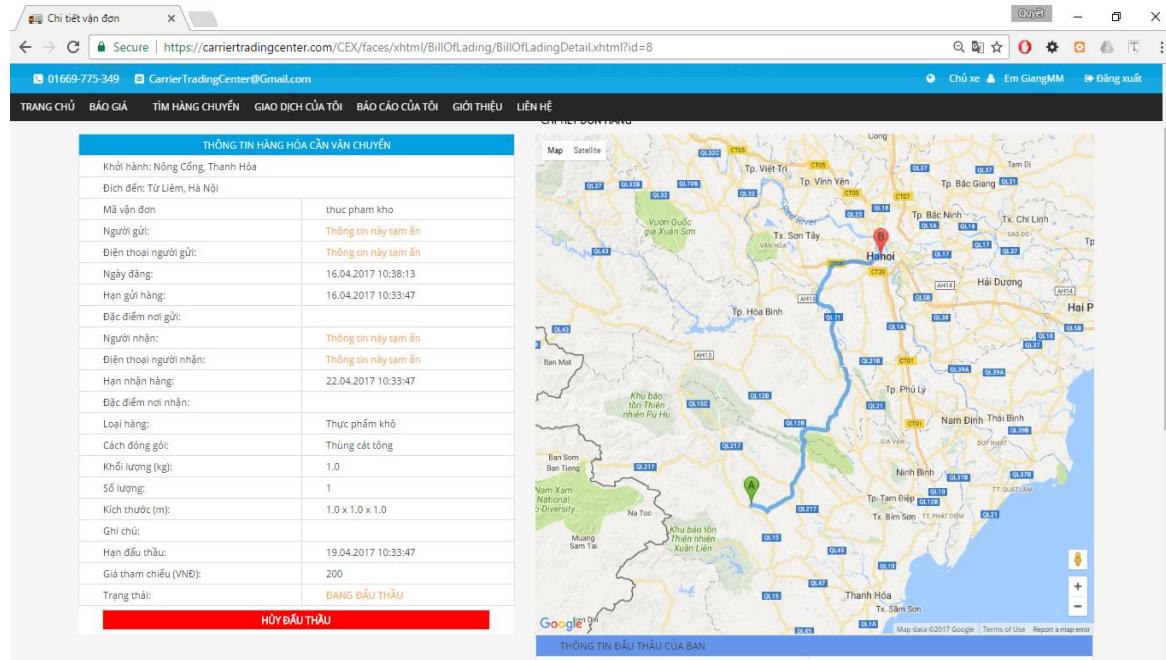


Figure 4.2-234 Cancel Bill of Lading

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin hàng hóa cần vận chuyển	good_information	panelGrid			
2	Gmap	gmap	Java script			
3	Hủy đấu thầu	cancelBillOfLading	commandButton			

#### 4.2.2.68.3 Sequence Diagram

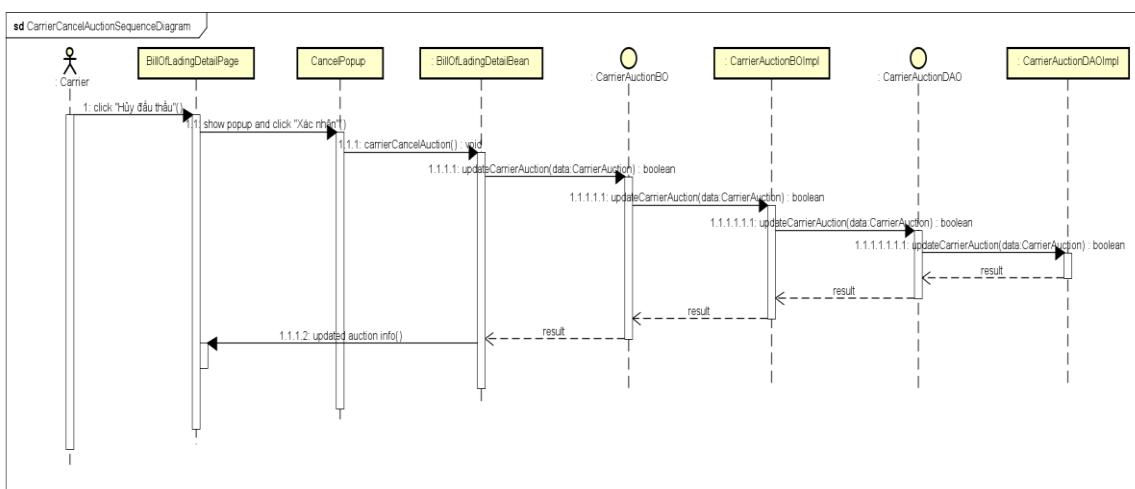


Figure 4.2-235 Carrier Cancel Bill of Lading Sequence Diagram

#### 4.2.2.69 Carrier view profile

##### 4.2.2.69.1 Class Diagram

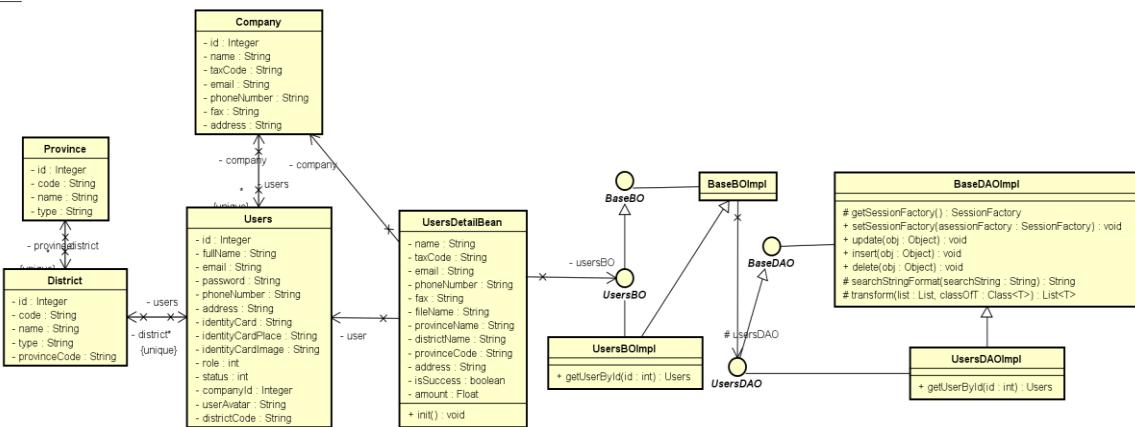


Figure 4.2-236 View Profile

##### 4.2.2.69.2 Screen Design

###### 4.2.2.69.2.1 Case does not Exist Company Information

The screenshot shows a web page titled 'Thông tin cá nhân' (User Detail Information). The page is divided into two main sections: 'THÔNG TIN CÁ NHÂN' (Personal Information) and 'THÔNG TIN CÔNG TY' (Company Information). The 'Personal Information' section contains fields for name, address, phone number, and other details. The 'Company Information' section shows the company name as 'Nông Cống, Thanh Hóa'. At the bottom, there is a 'Thay đổi' (Change) button.

Figure 4.2-237 User Detail Information (part 1)

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin cá nhân	userDeatilInformation	panelGrid	Yes		
2	Thông tin công ty	companyInformation	panelGrid	No		
3	Thay đổi	change	commandButton			
4	Thêm mới	addNew	commandButton			

#### 4.2.2.69.2.2 Case Exist Company Information

THÔNG TIN CÁ NHÂN

Họ và tên:	Em GiangMM
Bạn là:	Chú xe
Email:	legahaohang94@gmail.com
Số điện thoại:	0987654321
Địa chỉ:	th, Nông Cống, Thanh Hóa
Số chứng minh thư:	174153470
Nơi cấp:	th
Ngày cấp thẻ:	06.04.2011
Ngày tham gia:	12.04.2017
Số dư tài khoản:	9999960.0(VND)

[Thay đổi](#)

Figure 4.2-238 User Detail Information (part 2.1)

THÔNG TIN CÔNG TY

Tên công ty:	Fpt Software
Email:	ftpssoft@gmail.com
Số điện thoại:	08488688888
Fax:	1-111-111-1111
Địa chỉ:	Duy Tân- Cầu Giấy-Hà Nội
Mã số thuế:	1234567890

[Thay đổi](#)

LIÊN HỆ

SÀN GIAO DỊCH VẬN TẢI VIỆT NAM  
Địa chỉ: Khu Công nghệ cao Hòa Lạc, Hà Nội, Việt Nam.  
Điện thoại: (+84-4)-8888 8888 - Fax: (+84-4)-9999 9999  
Email: ADMIN@CarrierTradingCenter.Com  
Được xây dựng và phát triển bởi Nhóm SV DH FPT [www.fpt.edu.vn](http://www.fpt.edu.vn)

THÔNG TIN

- ▶ Quy chế hoạt động
- ▶ Giới thiệu

DỊCH VỤ KHÁCH HÀNG

- ▲ Mr: Lê Văn Dương
- ✉ Email: CarrierTradingCenter@Gmail.com
- ☎ Hotline: (+84)-1669-775-349
- ✉ Fax: (+84-4)-9999 9999

Figure 4.2-239 User Detail Information (part 2.2)

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin cá nhân	userDetailInformation	panelGrid	Yes		
2	Thông tin công ty	companyInformation	panelGrid	No		
3	Thay đổi		commandButton			

4	Thay đổi		commandButton			
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#### 4.2.2.69.3 Sequence Diagram

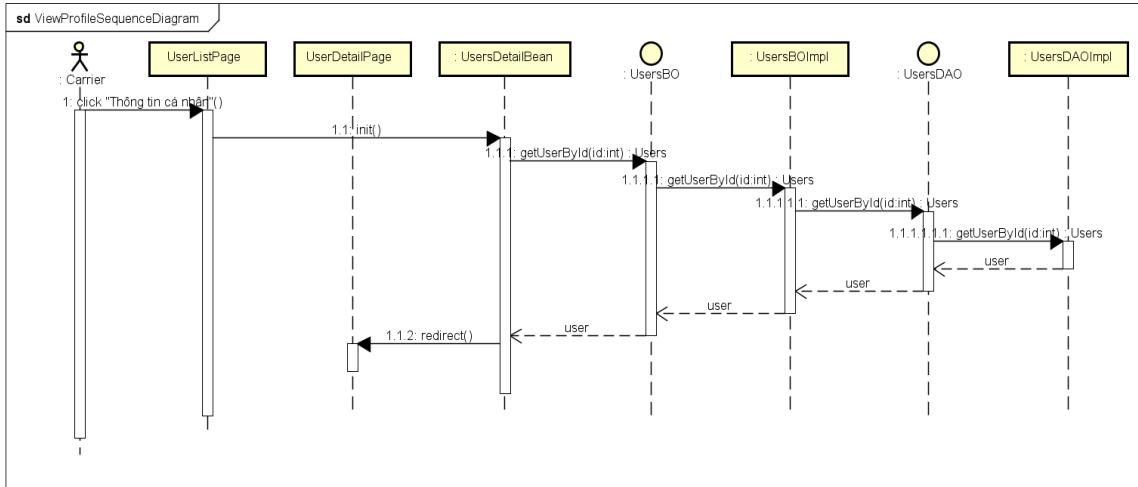


Figure 4.2-240 View Profile Sequence Diagram

#### 4.2.2.70 Carrier edit profile

##### 4.2.2.70.1 Class Diagram

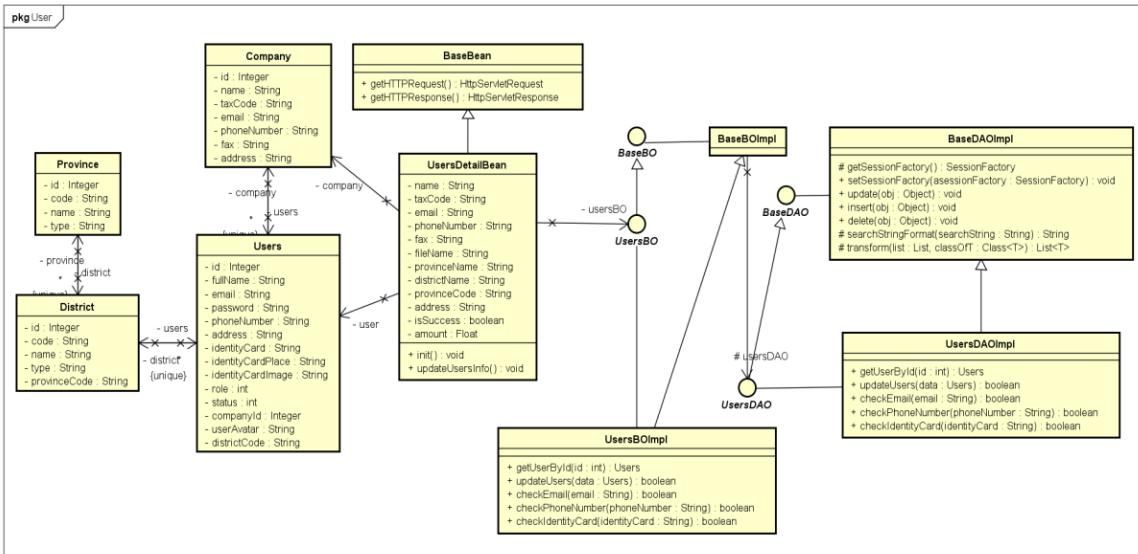


Figure 4.2-241 Edit Profile Class Diagram

## 4.2.2.70.2 Screen Design

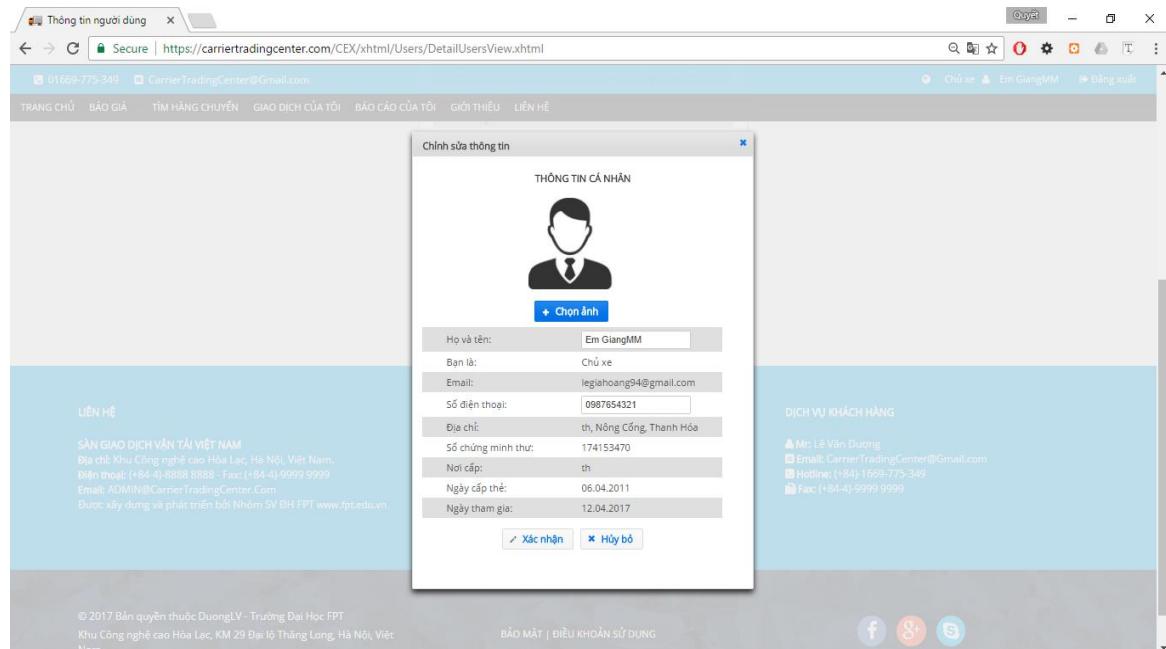


Figure 4.2-242 Edit Profile

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1.	avatar	avatar	graphicImage			
2.	Chọn ảnh	chooseImg	fileUpload			
3.	Họ và tên	fullName	inputText			
4.	Email	email	outputable			
5.	Số điện thoại	phoneNumber	inputText			
6.	Địa chỉ	address	outputable			
7.	Tỉnh/Thành phố	province	outputable			
8.	Quận/Huyện	district	outputable			
9.	Số chứng minh thư	identityCard	outputable			
10.	Nơi cấp	identityCardPlace	outputable			
11.	Ngày cấp	identityCardDate	outputable			
12.	Ngày tham gia	dateCreate	outputable			
13.	Lưu thay đổi	save	commandButton			
14.	Hủy bỏ	cancel	commandButton			

#### 4.2.2.70.3 Sequence Diagram

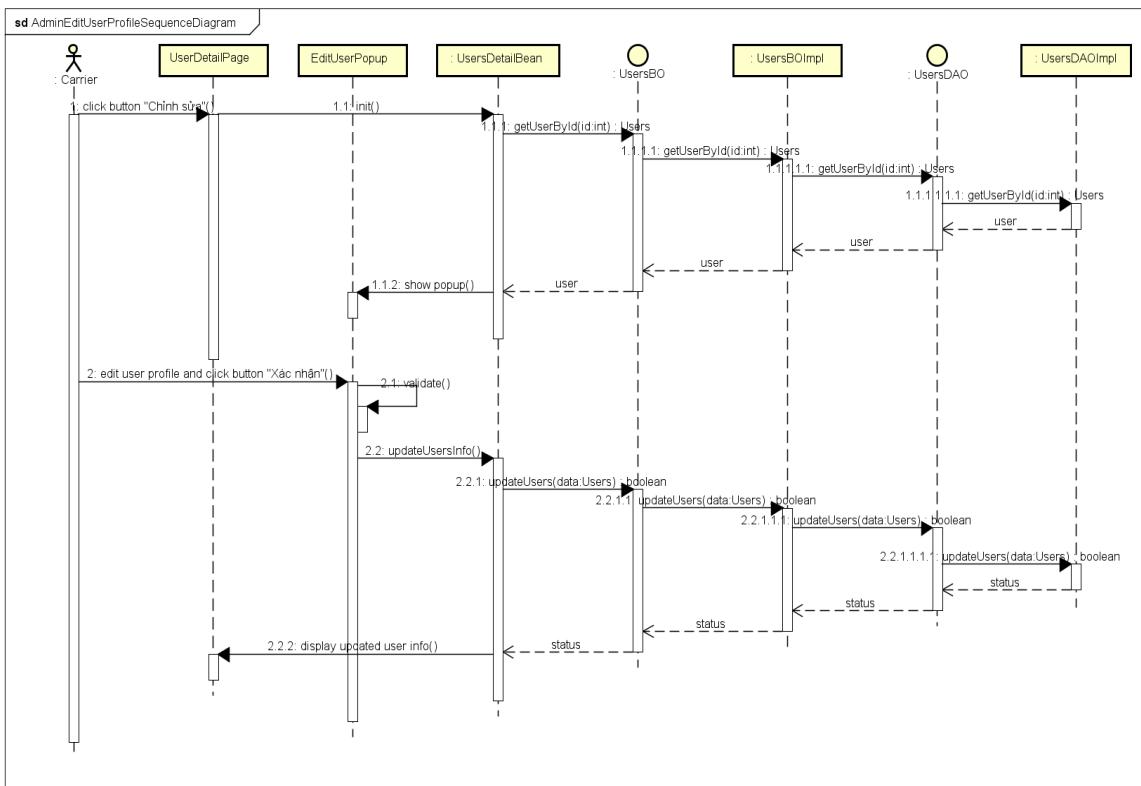


Figure 4.2-243 Edit profile Sequence Diagram

#### 4.2.2.71 Carrier change password

##### 4.2.2.71.1 Class Diagram

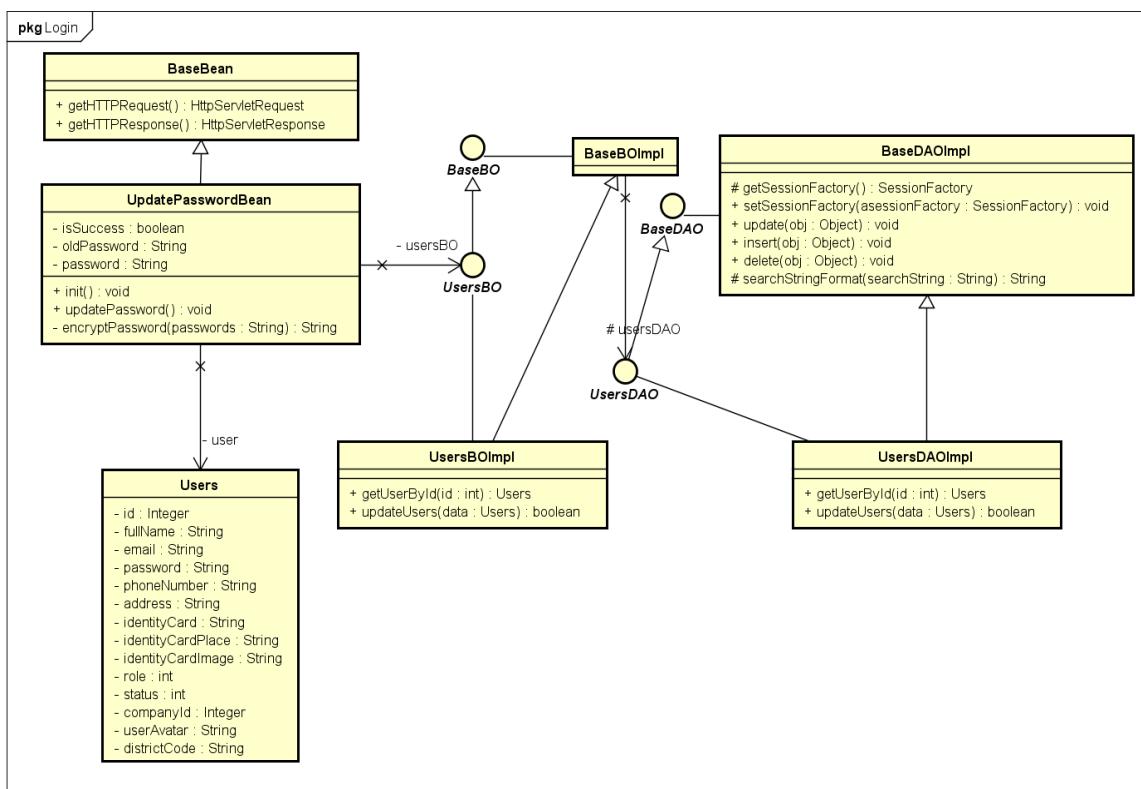


Figure 4.2-244 Change Password Class Diagram

#### 4.2.2.71.2 Screen Design

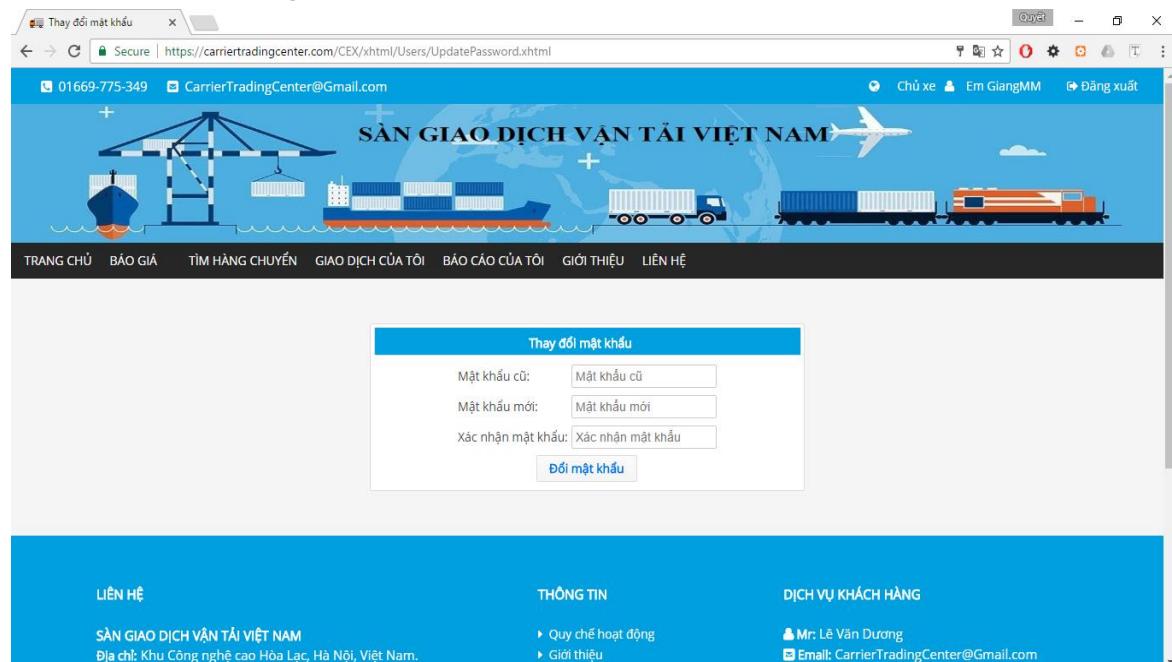


Figure 4.2-245 Update Password

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thay đổi mật khẩu	resetPassword	panelGrid			
2	Mật khẩu cũ	fullName	password			
3	Mật khẩu mới	role	password			
4	Xác nhận mật khẩu	email	password			
5	Đổi mật khẩu	phoneNumber	commandButton			

#### 4.2.2.71.3 Sequence Diagram

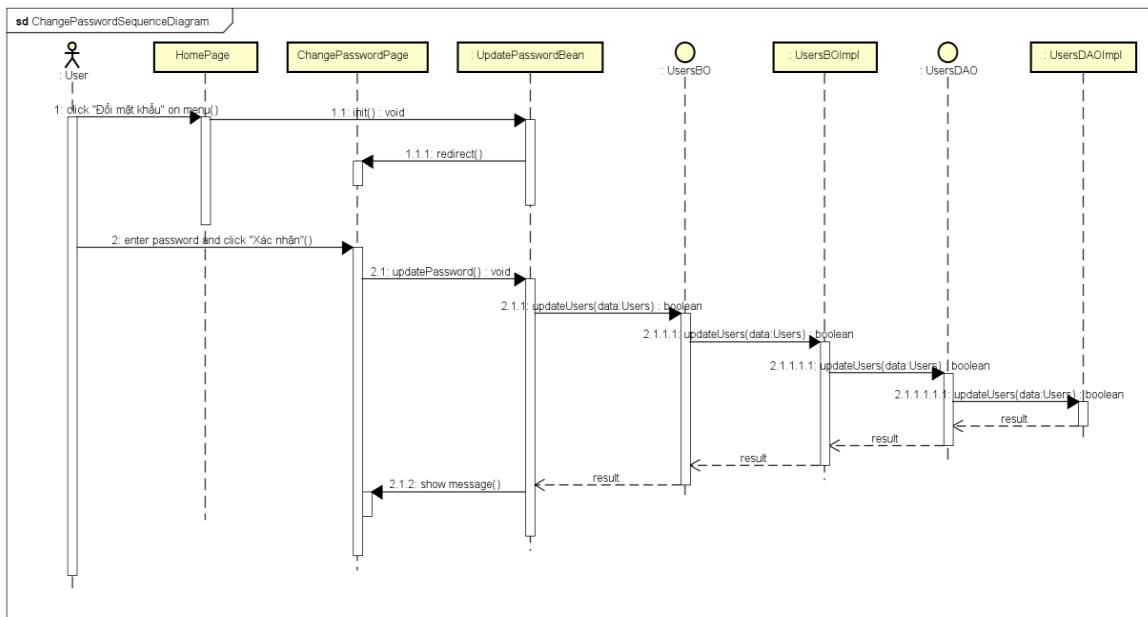


Figure 4.2-246 Update Password Sequence Diagram

#### 4.2.2.72 Carrier forgot password

##### 4.2.2.72.1 Class Diagram

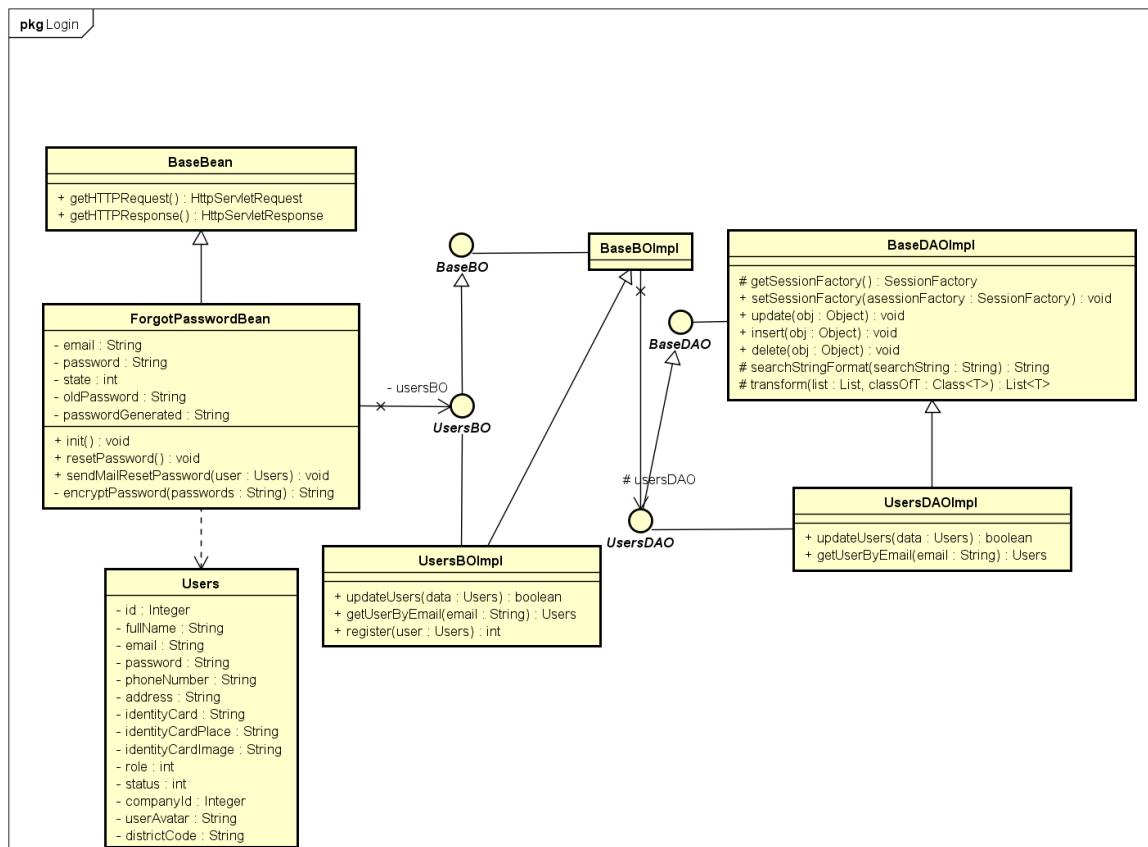


Figure 4.2-247 Forgot Password Class Diagram

#### 4.2.2.72.2 Screen Design

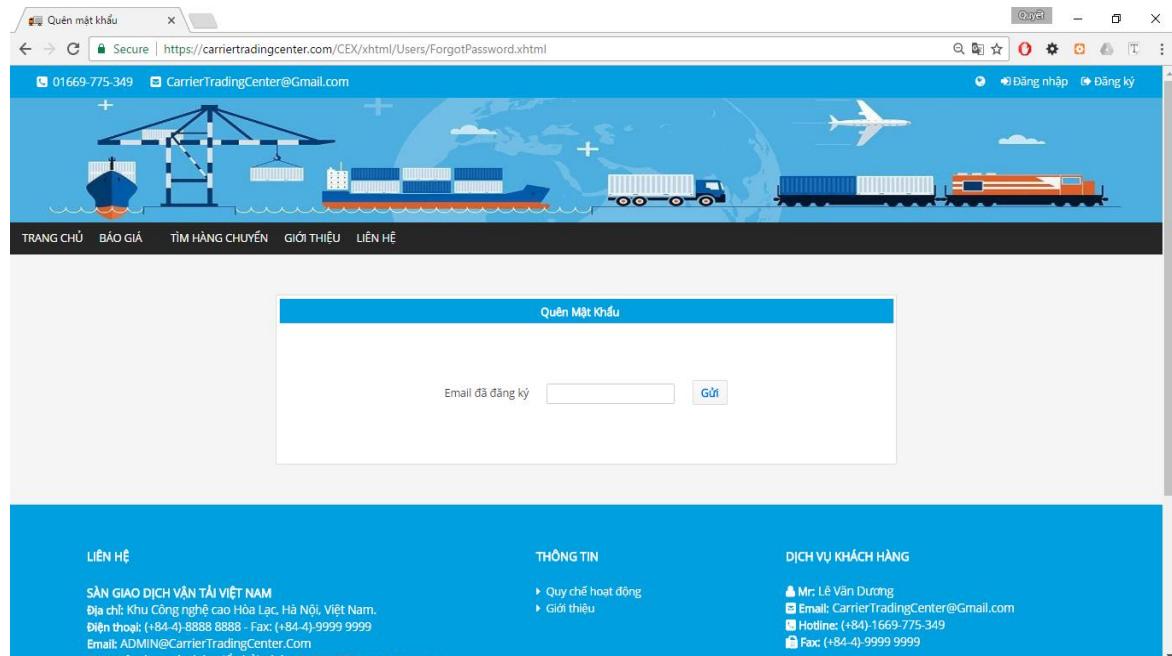


Figure 4.2-248 Send Mail Reset Password

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Quên mật khẩu	forgotPassword	panelGrid			
2	Email đã đăng ký	email	inputText			
3	Gửi	send	commandButton			

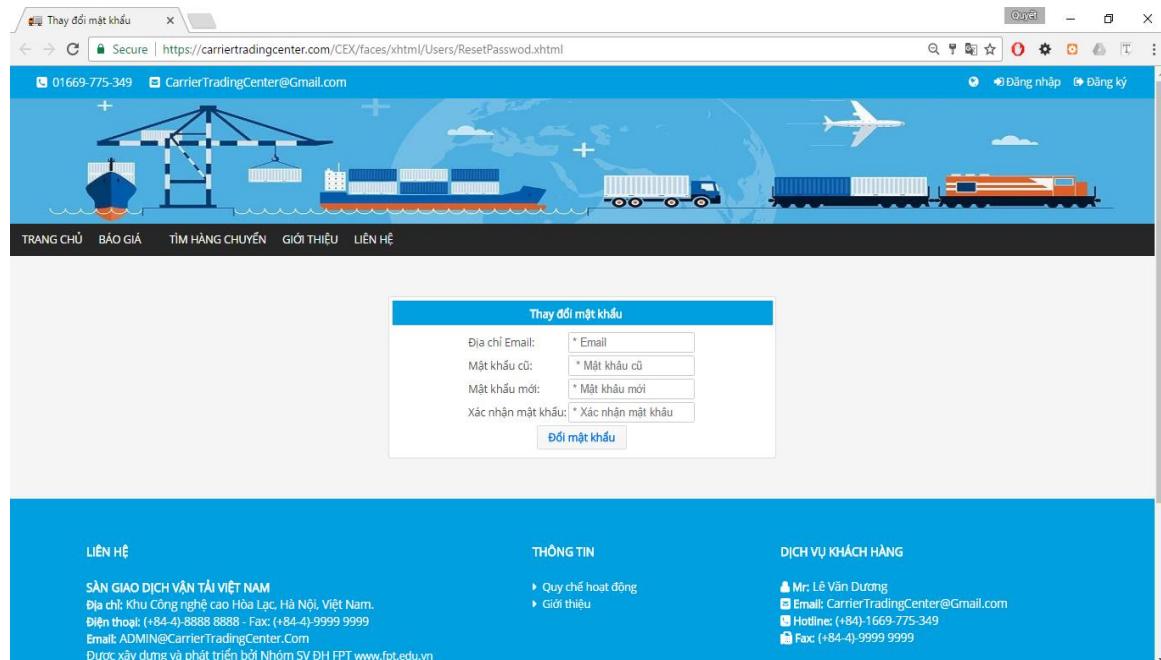


Figure 4.2-249 Reset Password

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thay đổi mật khẩu	resetPassword	panelGrid			
2	Địa chỉ email	chooseImg	inputText			
3	Mật khẩu cũ	fullName	password			
4	Mật khẩu mới	role	password			
5	Xác nhận mật khẩu	email	password			
6	Đổi mật khẩu	phoneNumber	commandButton			

#### 4.2.2.72.3 Sequence Diagram

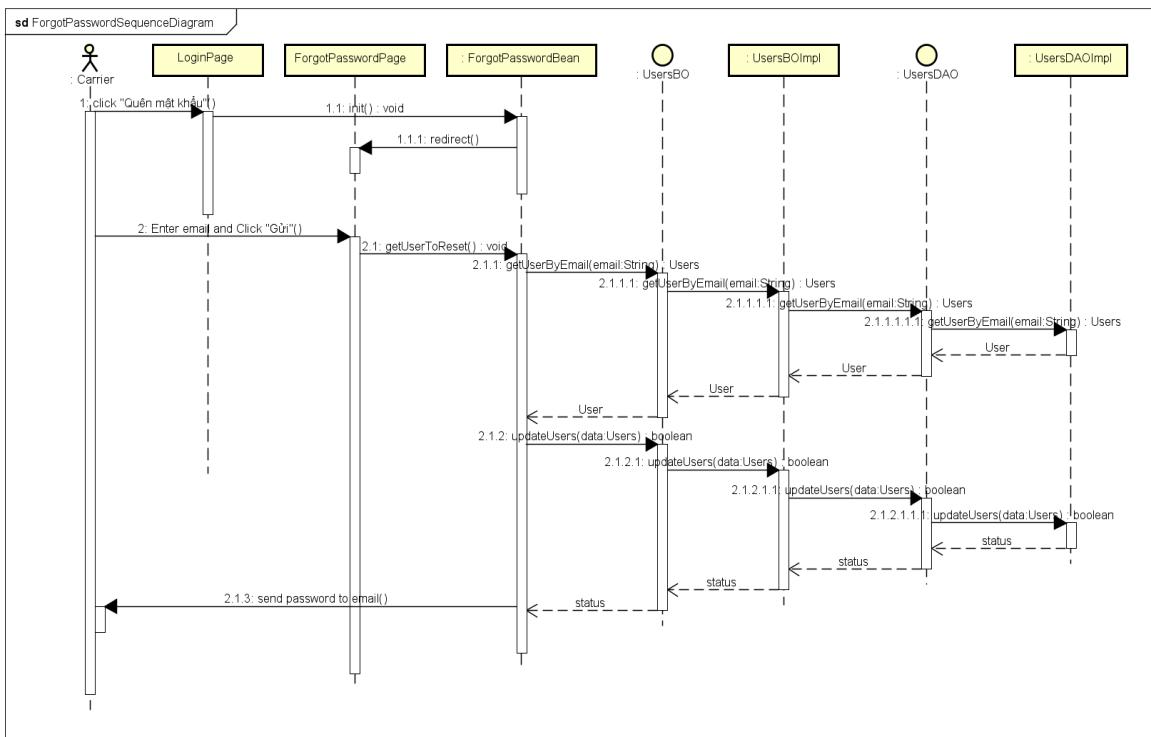


Figure 4.2-250 Forgot Password Sequence Diagram

#### 4.2.2.73 Carrier send report

##### 4.2.2.73.1 Class Diagram

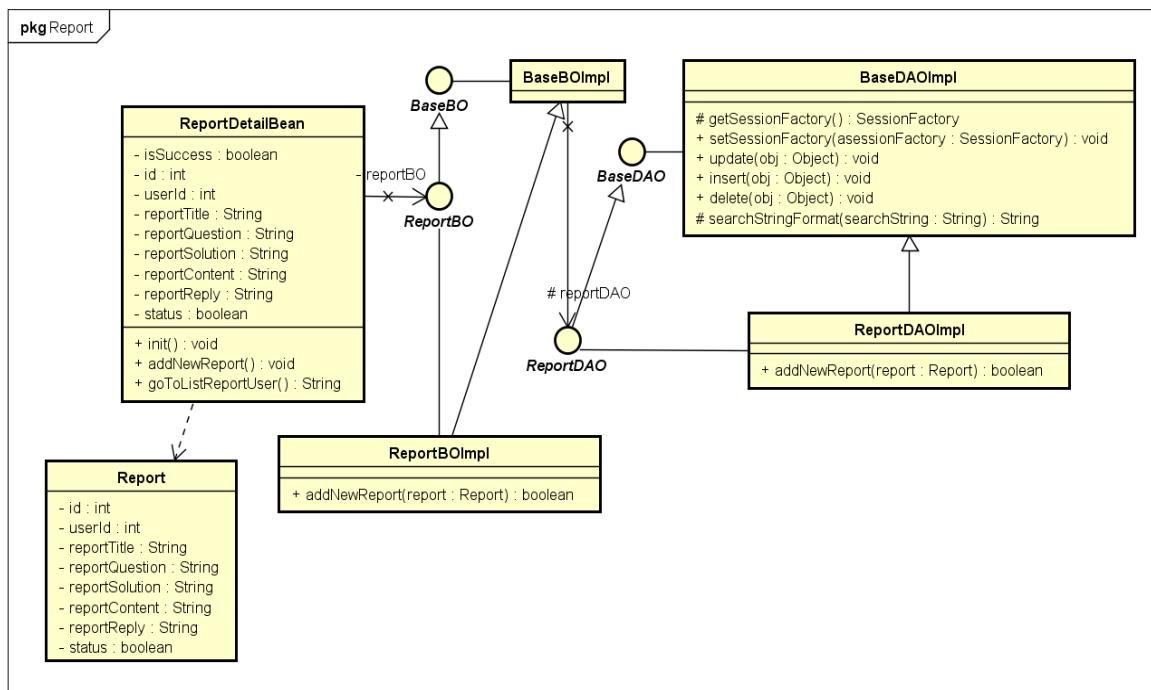


Figure 4.2-251 Send Report Class Diagram

## 4.2.2.73.2 Screen Design

The screenshot shows a web-based reporting interface. At the top, there is a navigation bar with links for 'TRANG CHỦ', 'BÁO GIÁ', 'TÌM HÀNG CHUYỂN', 'GIAO DỊCH CỦA TÔI', 'BÁO CÁO CỦA TÔI', 'GIỚI THIỆU', and 'LIÊN HỆ'. The main content area has a blue header bar with the text 'MẪU BÁO CÁO CHO QUẢN TRỊ VIỆN'. Below this, there are four input fields with labels in Vietnamese: 'Chủ đề bạn muốn báo cáo là gì?' (Subject), 'Câu hỏi của bạn là gì?' (Question), 'Bạn mong muốn xử lý như thế nào?' (Solution), and 'Nội dung báo cáo của bạn?' (Content). Each field has a placeholder text 'Nhập chủ đề bạn muốn báo cáo vào đây', 'Nhập câu hỏi của bạn vào đây', 'Nhập yêu cầu bạn muốn xử lý vào đây', and 'Nhập nội dung báo cáo của bạn vào đây'. At the bottom right of the form are two buttons: a blue 'Gửi báo cáo' (Send Report) button and a red 'Quay lại' (Cancel) button.

Figure 4.2-252 Add new Report

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Chủ đề bạn muốn báo cáo là gì?	reportTitle	inputText			
2	Câu hỏi của bạn là gì?	reportQuestion	inputText			
3	Bạn mong muốn xử lý như thế nào	reportSolution	outputText			
4	Nội dung báo cáo của bạn	reportContent	outputText			
5	Gửi báo cáo	addNewReport	commandButton			
6	Quay lại	goback	commandButton			

#### 4.2.2.73.3 Sequence Diagram

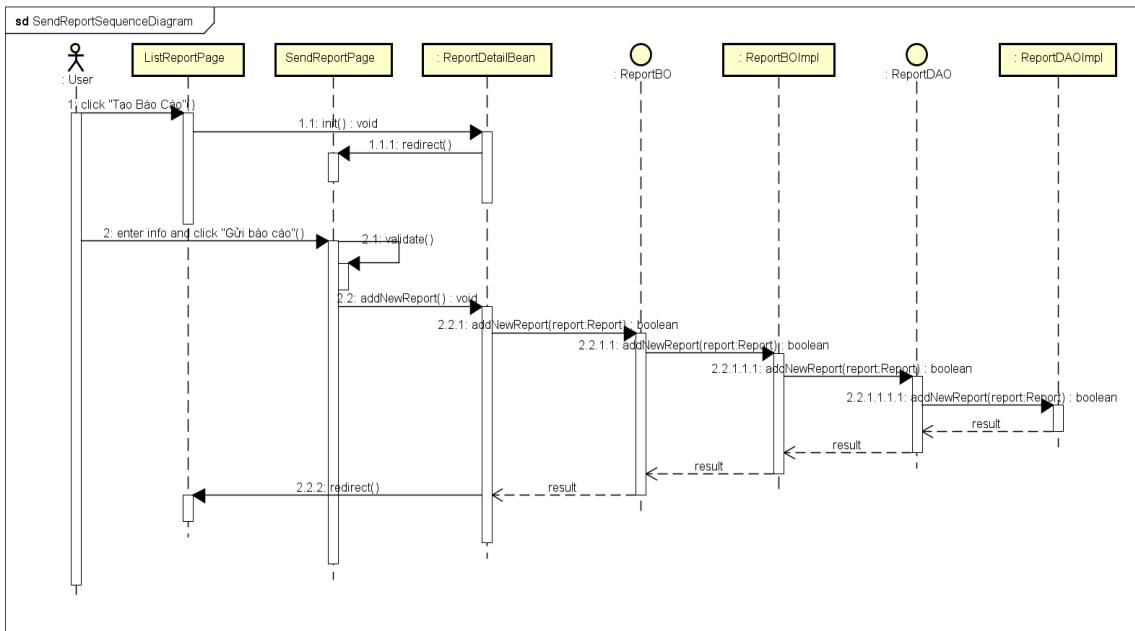


Figure 4.2-253 Send Report Sequence Diagram

#### 4.2.2.74 Carrier view list report

##### 4.2.2.74.1 Class Diagram

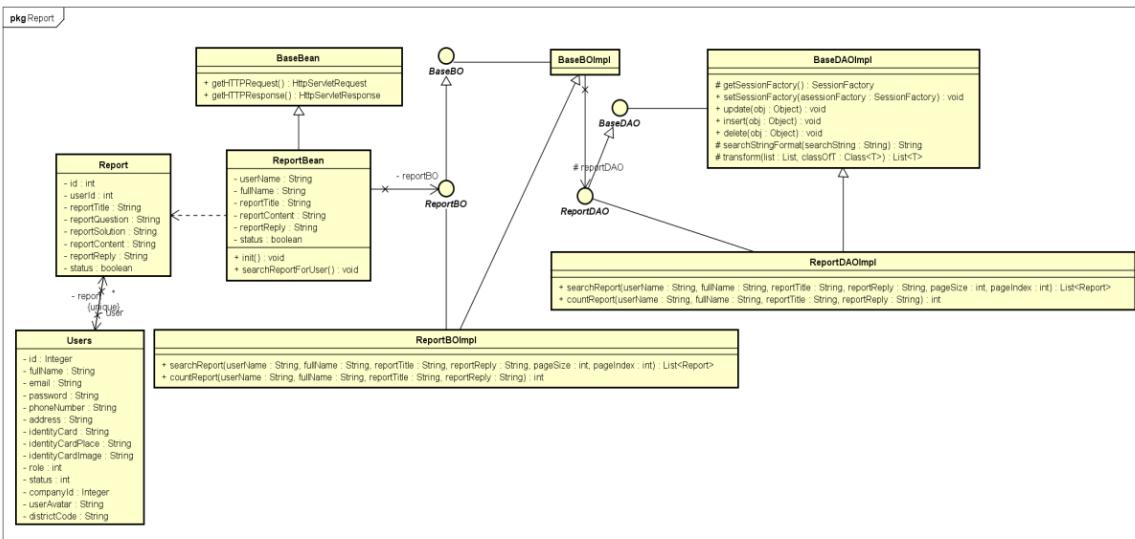


Figure 4.2-254 View List Report Class Diagram

#### 4.2.2.74.2 Screen Design

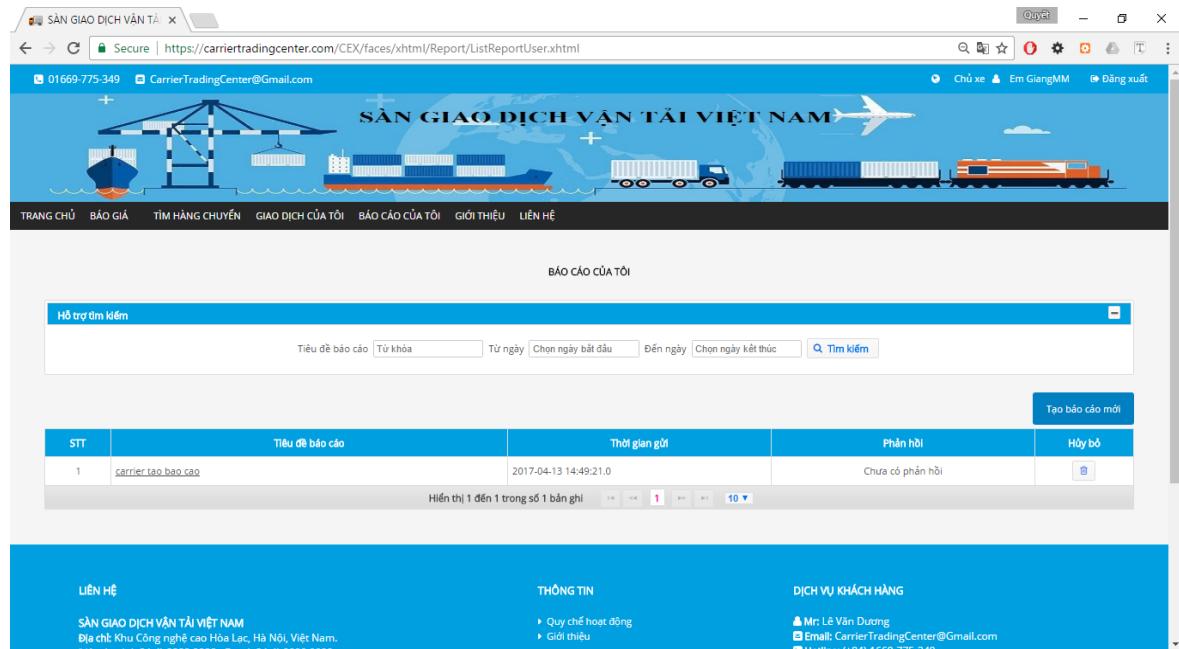


Figure 4.2-255 List Carrier's Report

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Hỗ trợ tìm kiếm		panelGrid			
2	Tiêu đề báo cáo	reportTitle	inputText	No	75	
3	Từ ngày	reportDateBegin	calendar	No		
4	Đến ngày	reportDateEnd	calendar	No		
5	Tìm kiếm	search	commandButton			
6	Danh sách báo cáo	litsReport	dataTable			

#### 4.2.2.74.3 Sequence Diagram

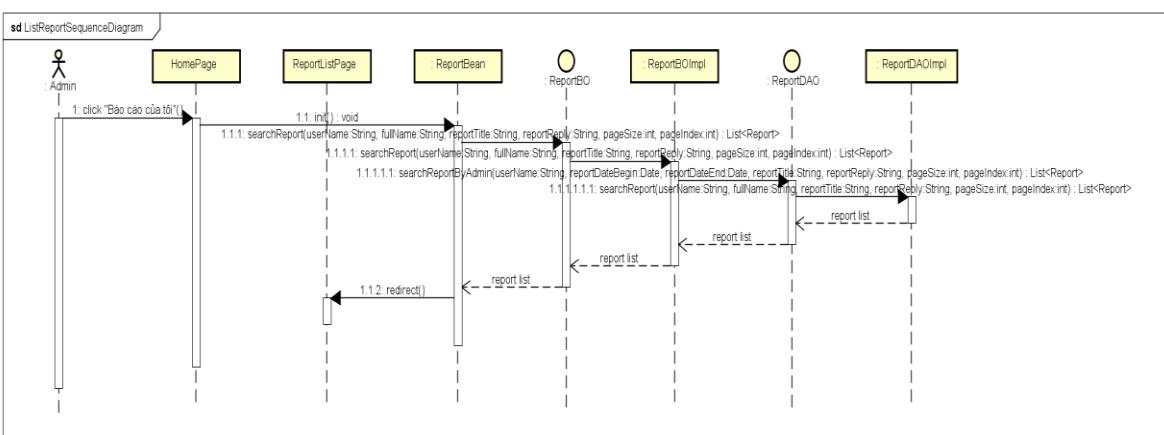


Figure 4.2-256 List Report Sequence Diagram

#### 4.2.2.75 Carrier search report

##### 4.2.2.75.1 Class Diagram

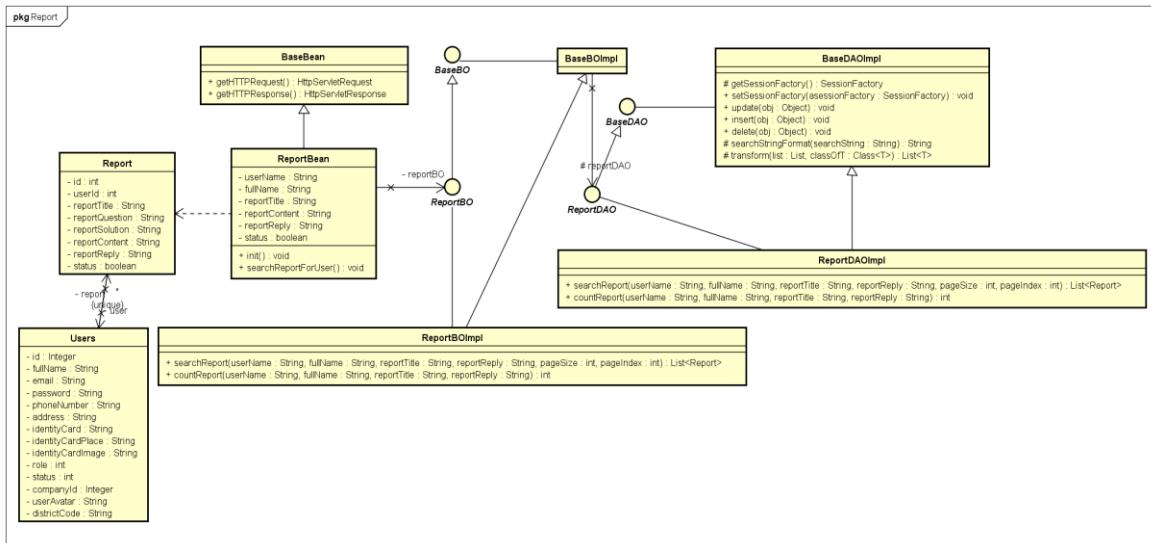


Figure 4.2-257 Search Report Class Diagram

##### 4.2.2.75.2 Screen Design

Figure 4.2-258 Search Report

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Hỗ trợ tìm kiếm		panelGrid			
2	Tiêu đề báo cáo	reportTitle	inputText	No	75	
3	Từ ngày	reportDateBegin	calendar	No		
4	Đến ngày	reportDateEnd	calendar	No		

5	Tìm kiếm	search	commandButton			
6	Danh sách báo cáo	litsReport	dataTable			

#### 4.2.2.75.3 Sequence Diagram

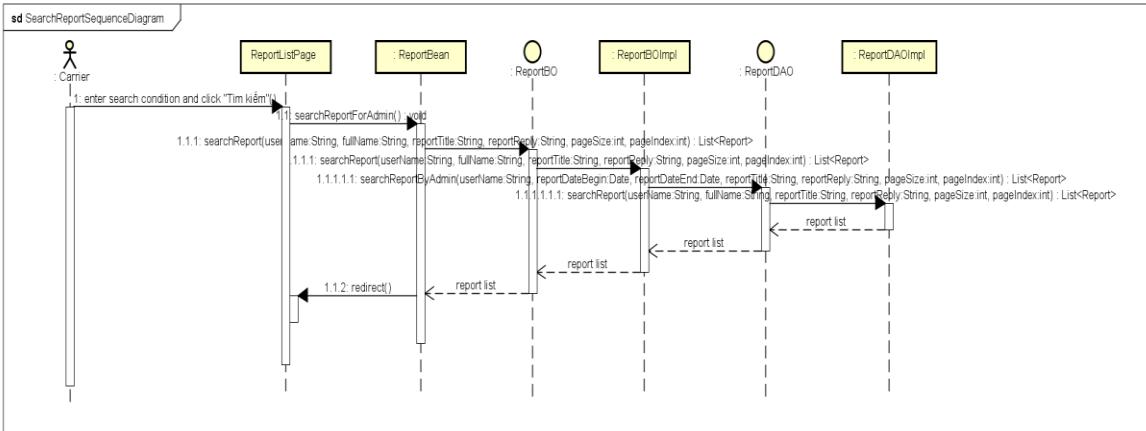


Figure 4.2-259 Search Report Sequence Diagram

#### 4.2.2.76 Carrier view transaction history

##### 4.2.2.76.1 Class Diagram

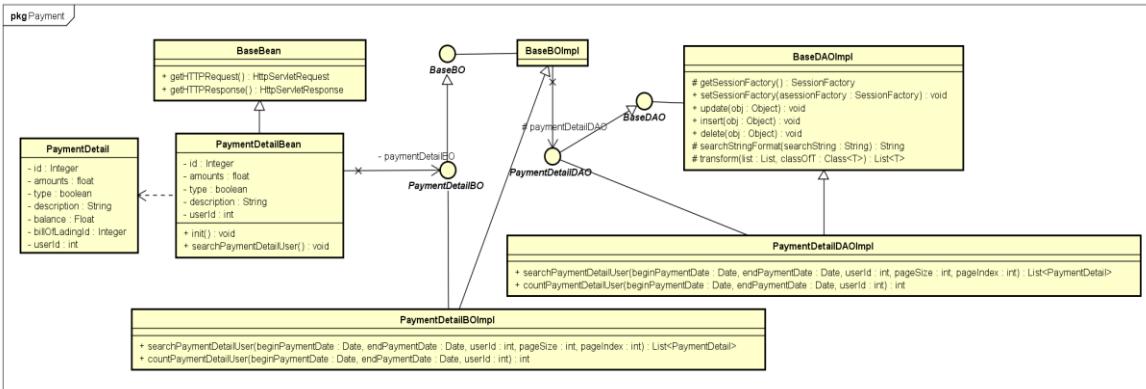


Figure 4.2-260 View Transaction History Class Diagram

## 4.2.2.76.2 Screen Design

The screenshot shows a web-based application for managing account information and transaction history. At the top, there is a header bar with the URL <https://carriertradingcenter.com/CEX/faces/xhtml/UsersAccountInformation/UsersAccountInformation.xhtml>. The header also includes a phone number (01669-775-349), an email (CarrierTradingCenter@Gmail.com), and user information (Chủ xe Em GiangMM, Đăng xuất).

The main content area is titled "THÔNG TIN VỀ TÀI KHOẢN" (Account Information). It displays a table with three columns: "Tên người dùng" (User Name), "Số dư tài khoản" (Account Balance), and "Tiền tệ" (Currency). The data shows "Em GiangMM" with a balance of 9,929,960 VND.

Below this is a section titled "LIỆT KÊ GIAO DỊCH" (Transaction History). It includes a search bar with fields for "Ngày bắt đầu" (Start Date) and "Ngày kết thúc" (End Date), and a "Tìm kiếm" (Search) button. The transaction history table has columns: "Thời gian" (Time), "Mô tả giao dịch" (Transaction Description), "Số tiền (VND)" (Amount (VND)), and "Số dư (VND)" (Balance (VND)). The table lists several transactions, including deposits and withdrawals, with the final balance shown as 9,979,990 VND.

Figure 4.2-261 Payment Detail

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin về tài khoản	accountInformation	panelGrid	Yes		
2	Hỗ trợ tìm kiếm	searchPanel	panel	No		
3	Ngày bắt đầu	departureDate	calendar	No		
4	Ngày kết thúc	arrivalDate	calendar	No		
5	Tìm kiếm	search	commandButton			
6	Liệt kê giao dịch	tablePaymentDetail	dataTable			

#### 4.2.2.76.3 Sequence Diagram

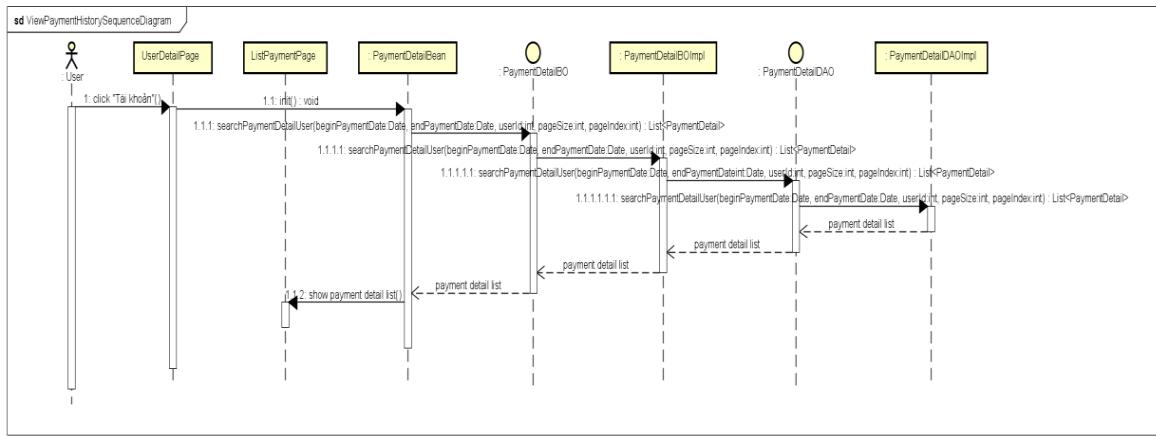


Figure 4.2-262 View Transaction History Sequence Diagram

#### 4.2.2.77 Carrier Login

##### 4.2.2.77.1 Class Diagram

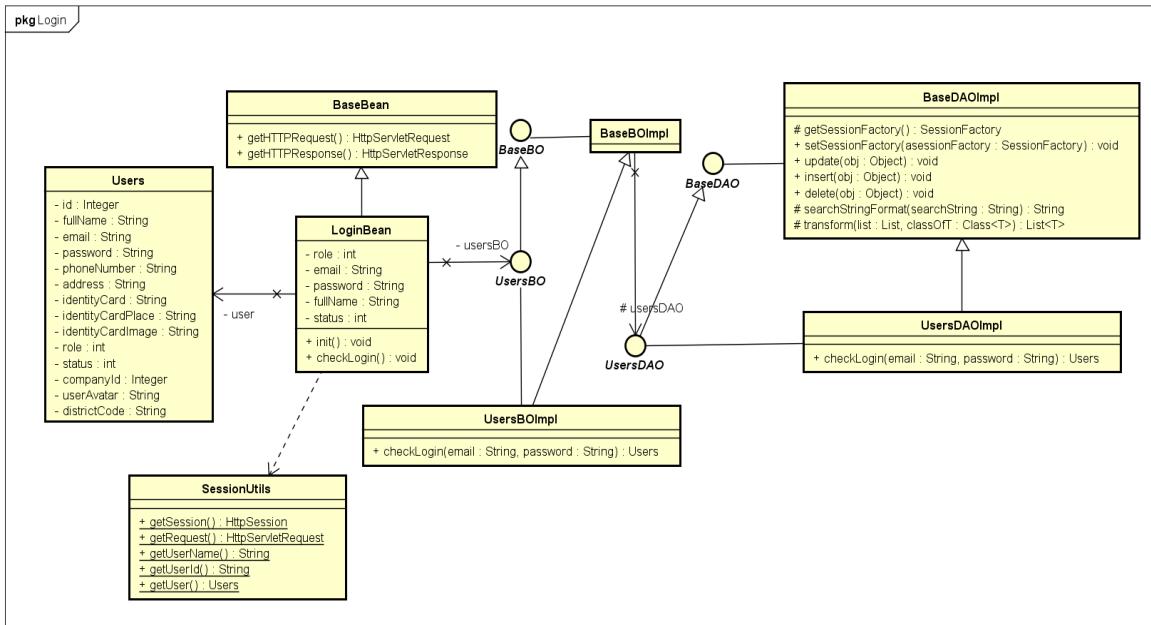


Figure 4.2-263 Login

#### 4.2.2.77.2 Screen Design

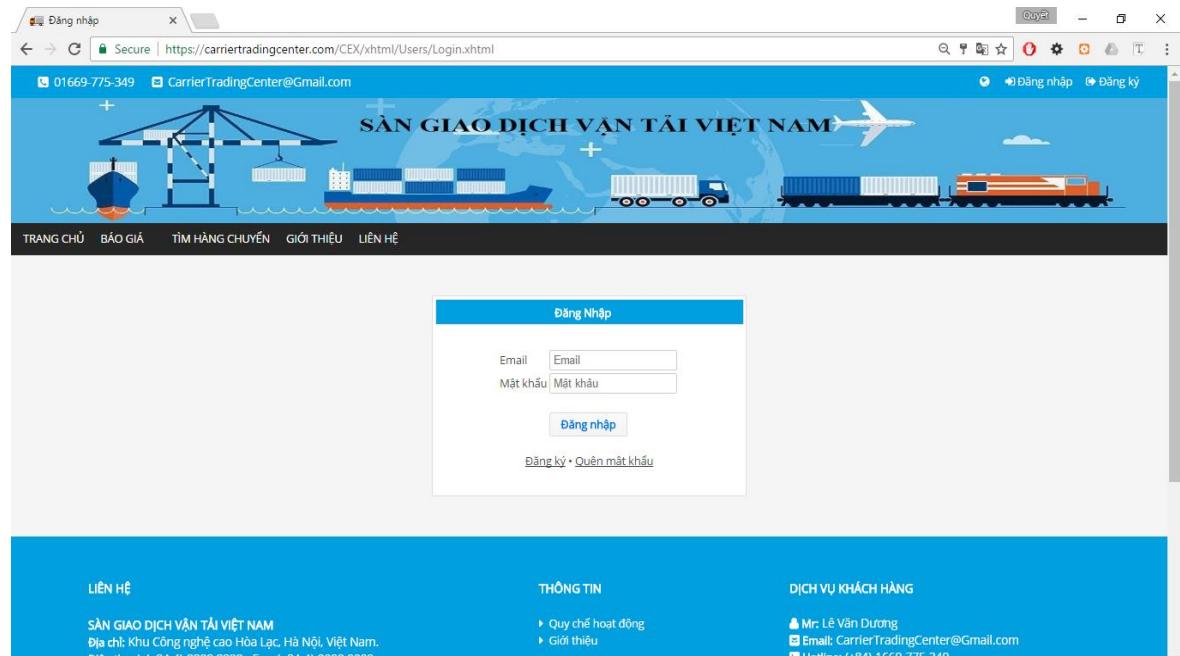


Figure 4.2-264 Login

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Đăng nhập	loginForm	panelGrid			
2	Email	email	inputText			
3	Mật khẩu	password	password			

#### 4.2.2.77.3 Sequence Diagram

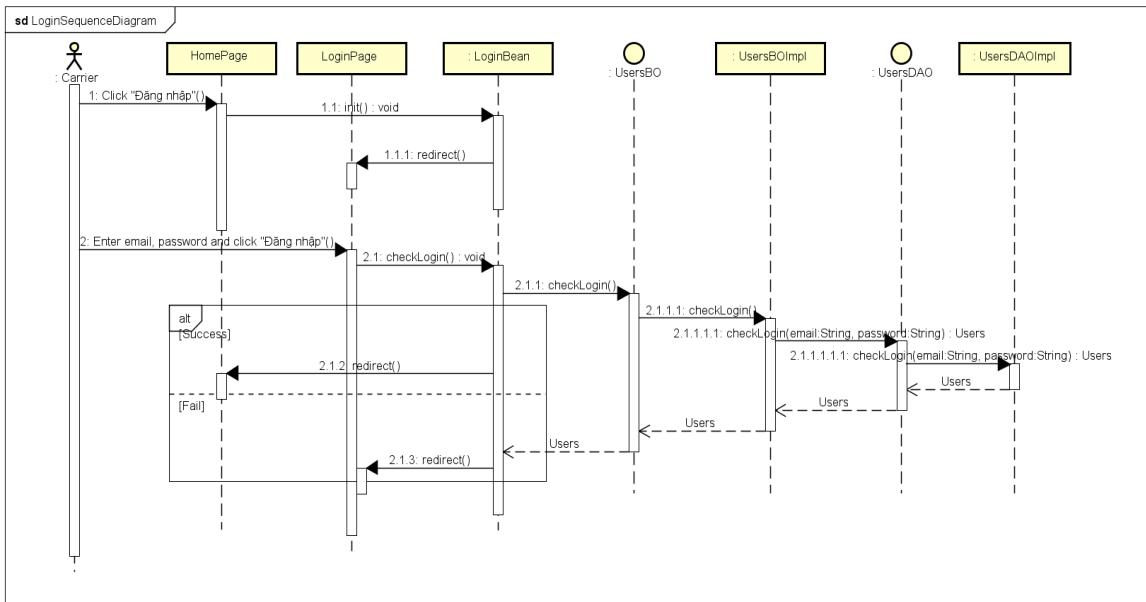


Figure 4.2-265 Login Sequence Diagram

#### 4.2.2.78 Carrier logout

##### 4.2.2.78.1 Class Diagram

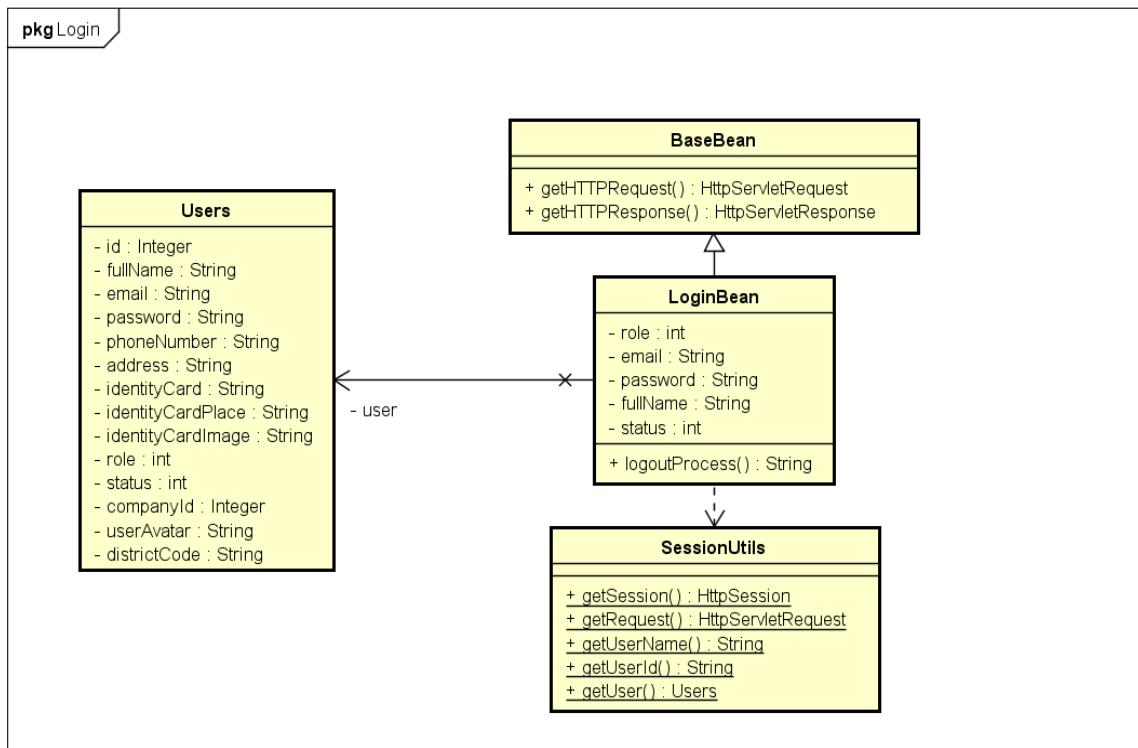


Figure 4.2-266 Logout Class Diagram

#### 4.2.2.78.2 Screen Design

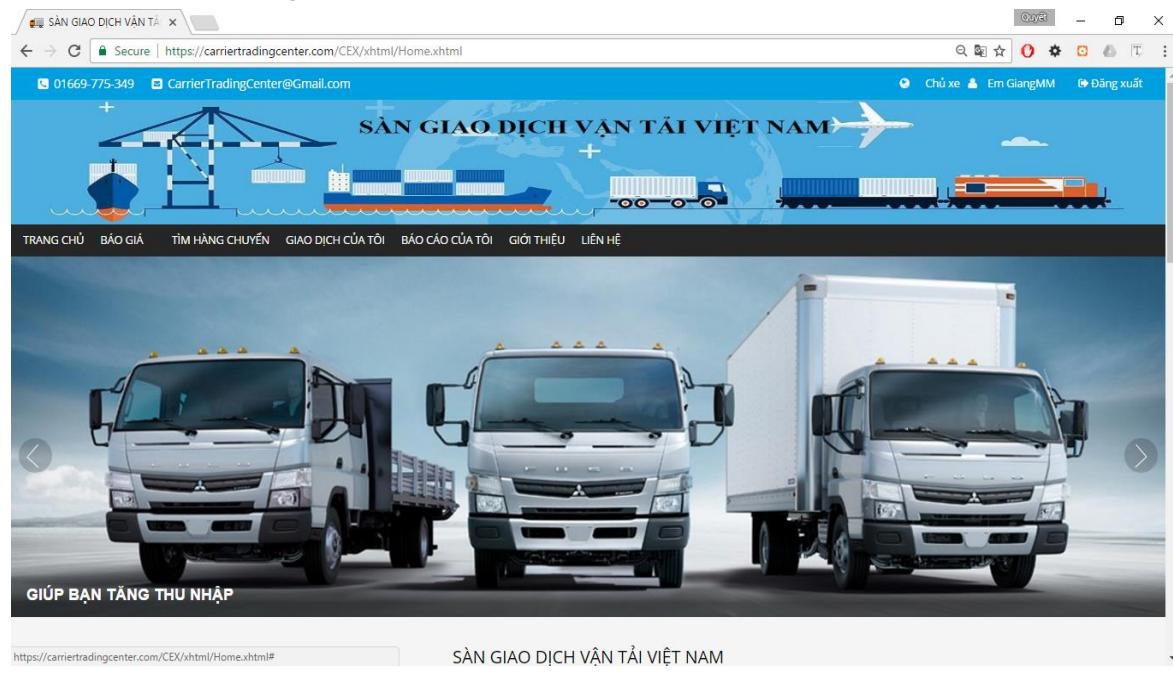


Figure 4.2-267 Logout

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Đăng xuất	logout	commandLink			

#### 4.2.2.78.3 Sequence Diagram

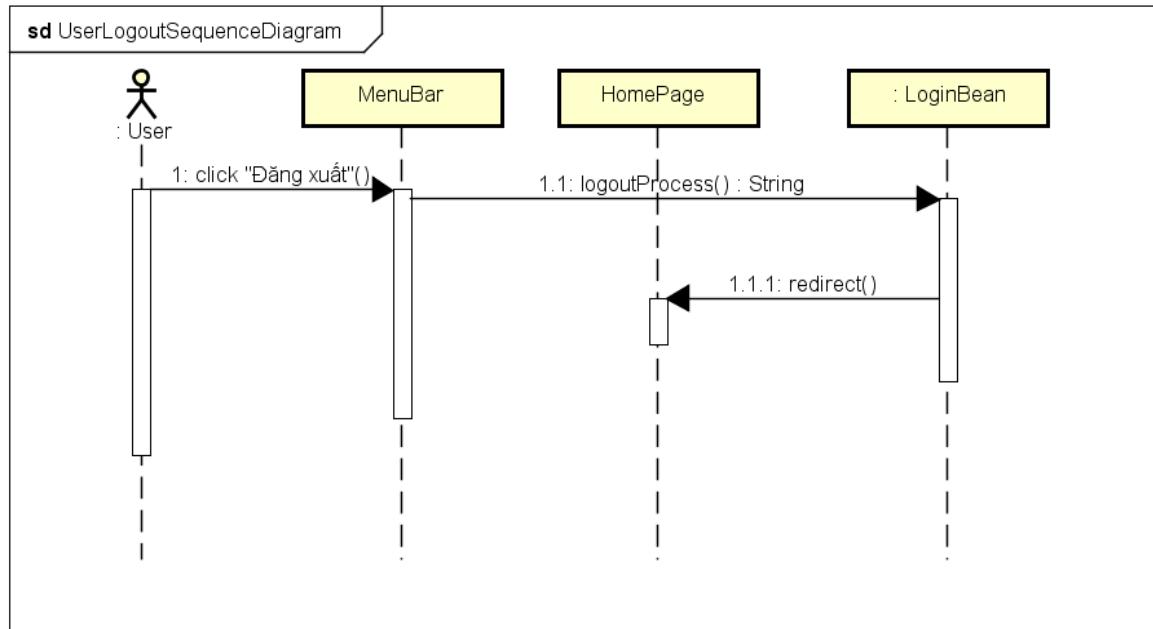


Figure 4.2-268 Logout Sequence Diagram

#### 4.2.2.79 Carrier reference fee

##### 4.2.2.79.1 Class Diagram

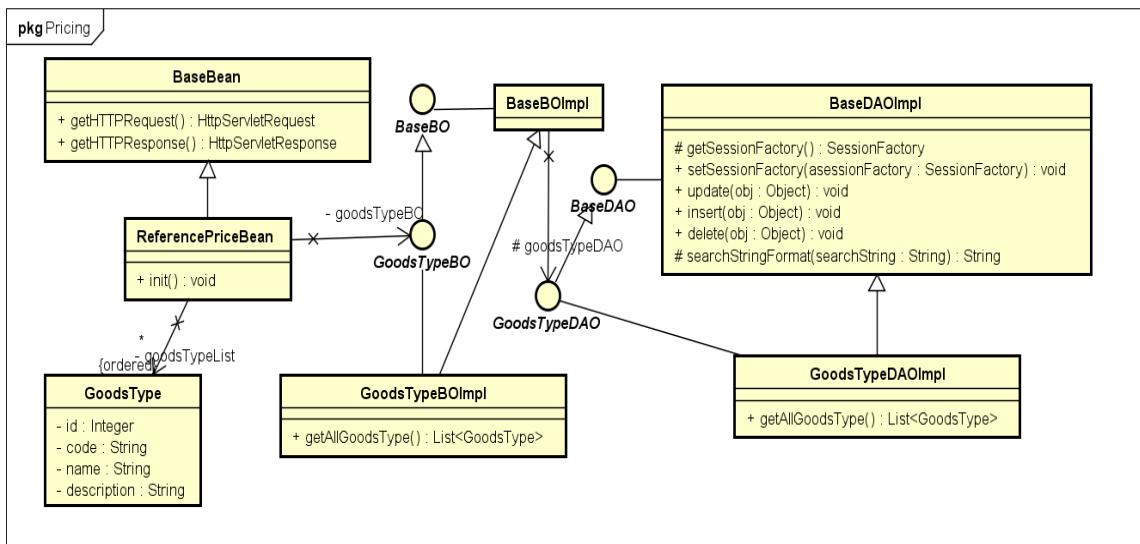


Figure 4.2-269 View Reference Fee Class Diagram

##### 4.2.2.79.2 Screen Design

STT	Loại hàng	Khối lượng	Quãng đường	Giá tham chiếu (VNĐ)
1	Bàn-ghế-giường-tủ	100 (kg)	10 (km)	10,000
2	Đồ uống	100 (kg)	10 (km)	10,000
3	Động vật	100 (kg)	10 (km)	10,000
4	Hàng điện tử	100 (kg)	10 (km)	10,000
5	Hóa chất	100 (kg)	10 (km)	10,000
6	Hoa quả	100 (kg)	10 (km)	10,000
7	Kim loại - nguyên liệu	100 (kg)	10 (km)	10,000
8	Máy móc - cơ khí	100 (kg)	10 (km)	10,000
9	Sức khỏe - làm đẹp	100 (kg)	10 (km)	10,000
10	Thể thao	100 (kg)	10 (km)	10,000
11	Thực phẩm khô	100 (kg)	10 (km)	10,000
12	Thực phẩm tươi	100 (kg)	10 (km)	10,000
13	Văn phòng phẩm	100 (kg)	10 (km)	10,000
14	Vật liệu xây dựng	100 (kg)	10 (km)	10,000

Figure 4.2-270 Reference Fee (part 1)

Bảng giá cước vận chuyển hàng hóa đường bộ từ TP.HCM đi các tỉnh

H.C.M	Tu 100 - 500 kg	Tu 500 - 1.000 kg	Tu till 2.5 km	Tu till 5 km	Tu till 10 km	10km đến 20 km	Tu 20 km	Tu till 20 km	Tu till khỏi	Ghi chú
Cần Thơ	650	600	550	500	450	380	300	225.000	165.000	
Vũng Tàu	650	600	550	500	450	380	300	225.000	165.000	
Tiền Giang	850	600	600	550	500	380	300	225.000	165.000	
Vĩnh Long	850	600	600	550	500	380	300	225.000	165.000	
Nhà Trang	1.500	1.000	850	800	750	700	650	270.000	225.000	
Gia Lai	1.500	1.000	850	800	750	700	650	270.000	225.000	
An Giang	1.500	1.000	850	800	750	700	650	270.000	225.000	
Bình Thuận	1.500	1.000	850	800	750	700	650	270.000	225.000	
Ninh Thuận	1.500	1.000	850	800	750	700	650	270.000	225.000	
Cà Mau	1.500	1.000	850	800	750	750	750	320.000	270.000	
Kiên Giang	1.500	1.000	850	800	750	750	750	320.000	270.000	
Bạc Liêu	1.500	1.000	850	800	750	750	750	320.000	270.000	
Sóc Trăng	1.500	1.000	850	800	750	750	750	320.000	270.000	
Đà Lạt	1.500	1.000	850	800	750	750	750	320.000	270.000	

Bảng giá cước vận chuyển hàng hóa đường bộ từ Hà Nội đi các tỉnh

HÀ NỘI	500 – 1.000 (Kg)	1.000 – 2.500 (Kg)	2.500 trэр lên (Kg)	5.000 – 10.000 (Kg)	10.000 (Kg) trэр lén
Hải Phòng	1100	800	600	500	350
Lai Châu	3300	2800	2.300	2.100	1.900
Điện Biên	4.000	3.000	2.500	2.300	2.100
Sơn La	3.000	2.500	1.900	1.700	1.500
Hoa Bình	1.100	800	600	500	400
Hà Giang	2.000	1.700	1.500	1.300	1.200
Cao Bằng	2.000	1.700	1.500	1.300	1.200
Lào Cai	2.000	1.700	1.500	1.300	1.200
Yên Bái	1.600	1.200	900	800	700
Tuyên Quang	1.400	1.100	800	700	600
Bắc Kạn	1.600	1.200	900	800	700
Thai Nguyên	900	700	500	400	350
Lạng Sơn	1.600	1.200	900	800	700
Việt Trì	1.100	800	600	500	400
Bắc Giang	1.200	900	700	600	500
Hà Long	1.600	1.200	900	800	700
Vĩnh Phúc	700	500	400	350	300

Figure 4.2-271 Reference Fee (part 2)

Bảng giá cước vận chuyển hàng hóa đường bộ từ Hà Nội đi các tỉnh

HÀ NỘI	500 – 1.000 (Kg)	1.000 – 2.500 (Kg)	2.500 trэр lên (Kg)	5.000 – 10.000 (Kg)	10.000 (Kg) trэр lén
Hải Phòng	1100	800	600	500	350
Lai Châu	3300	2800	2.300	2.100	1.900
Điện Biên	4.000	3.000	2.500	2.300	2.100
Sơn La	3.000	2.500	1.900	1.700	1.500
Hoa Bình	1.100	800	600	500	400
Hà Giang	2.000	1.700	1.500	1.300	1.200
Cao Bằng	2.000	1.700	1.500	1.300	1.200
Lào Cai	2.000	1.700	1.500	1.300	1.200
Yên Bái	1.600	1.200	900	800	700
Tuyên Quang	1.400	1.100	800	700	600
Bắc Kạn	1.600	1.200	900	800	700
Thai Nguyên	900	700	500	400	350
Lạng Sơn	1.600	1.200	900	800	700
Việt Trì	1.100	800	600	500	400
Bắc Giang	1.200	900	700	600	500
Hà Long	1.600	1.200	900	800	700
Vĩnh Phúc	700	500	400	350	300

Lưu ý: Bảng giá trên mang tính chất tham khảo

Figure 4.2-272 Reference Fee (part 3)

LIÊN HỆ

SÀN GIAO DỊCH VẬN TẢI VIỆT NAM  
Địa chỉ: Khu Công nghệ cao Hòa Lạc, Hà Nội, Việt Nam.  
Điện thoại: (+84-4)-8888 8888 - Fax: (+84-4)-9999 9999  
Email: ADMIN@CarrierTradingCenter.com  
Được xây dựng và phát triển bởi Nhóm SV DH FPT www.fpt.edu.vn

THÔNG TIN

• Quy chế hoạt động  
• Giới thiệu

DỊCH VỤ KHÁCH HÀNG

• Mr. Lê Văn Dương  
• Email: CarrierTradingCenter@gmail.com  
• Hotline: (+84)-1669-775-349  
• Fax: (+84)-9999 9999

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Bảng giá tham chiếu chi phí vận chuyển	goodsTypeList	dataTable			
2	Bảng giá cước vận chuyển hàng hóa đường bộ từ TP.HCM đi các tỉnh		graphicImage			
3	Bảng giá cước vận chuyển hàng hóa		graphicImage			

	đường bộ từ Hà Nội đi các tỉnh				
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#### 4.2.2.79.3 Sequence Diagram

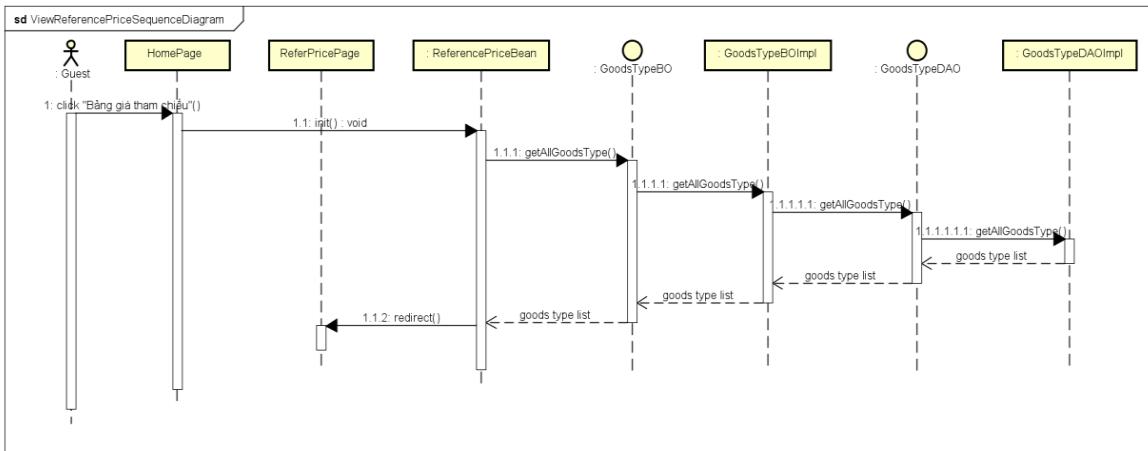


Figure 4.2-273 View Reference Fee Sequence Diagram

#### 4.2.2.80 Carrier confirm complete transaction

##### 4.2.2.80.1 Class Diagram

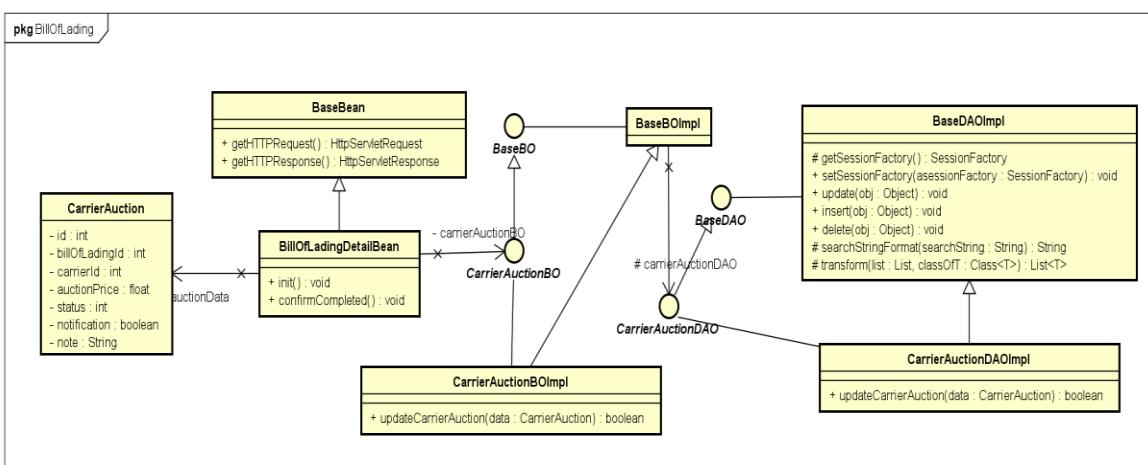


Figure 4.2-274 Confirm Complete Transaction Class Diagram

#### 4.2.2.80.2 Screen Design

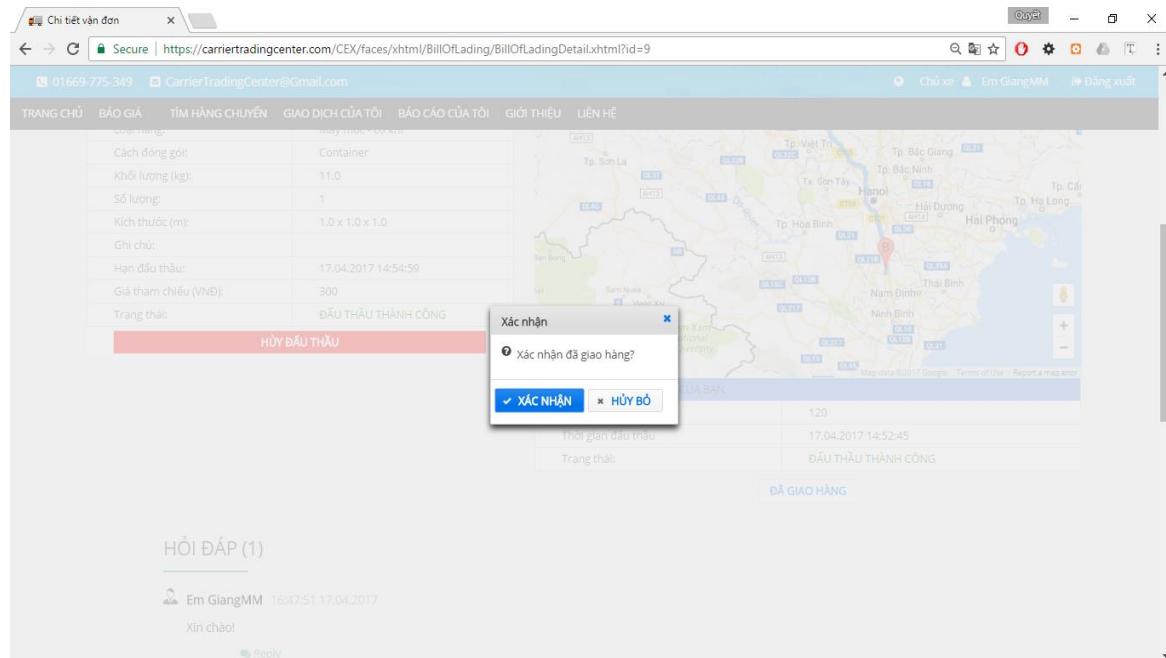


Figure 4.2-275 Confirm Complete Transaction

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Xác nhận	confirm	commandButton			
2	Hủy bỏ	cancel	commandButton			

#### 4.2.2.80.3 Sequence Diagram

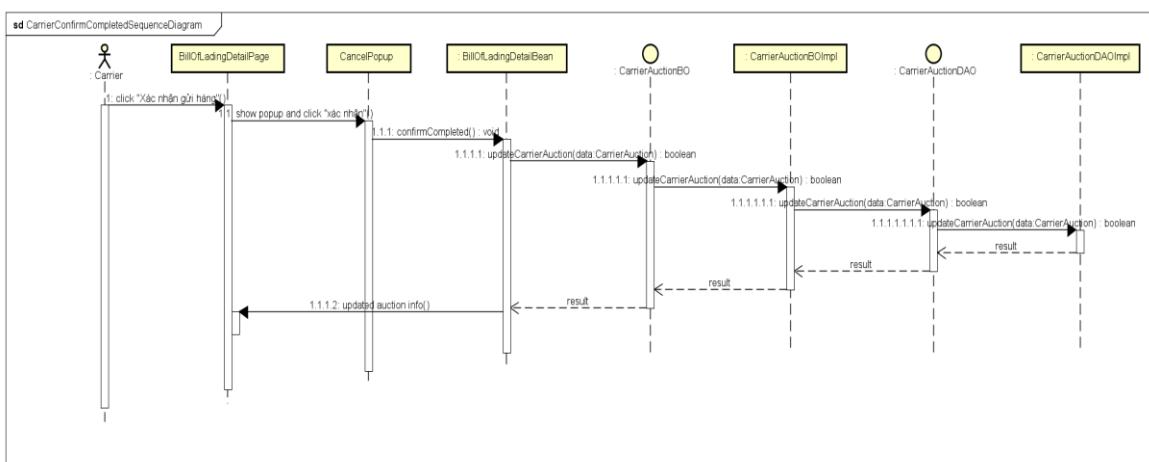


Figure 4.2-276 Confirm Complete Transaction Sequence Diagram

#### 4.2.2.81 Carrier add company

##### 4.2.2.81.1 Class Diagram

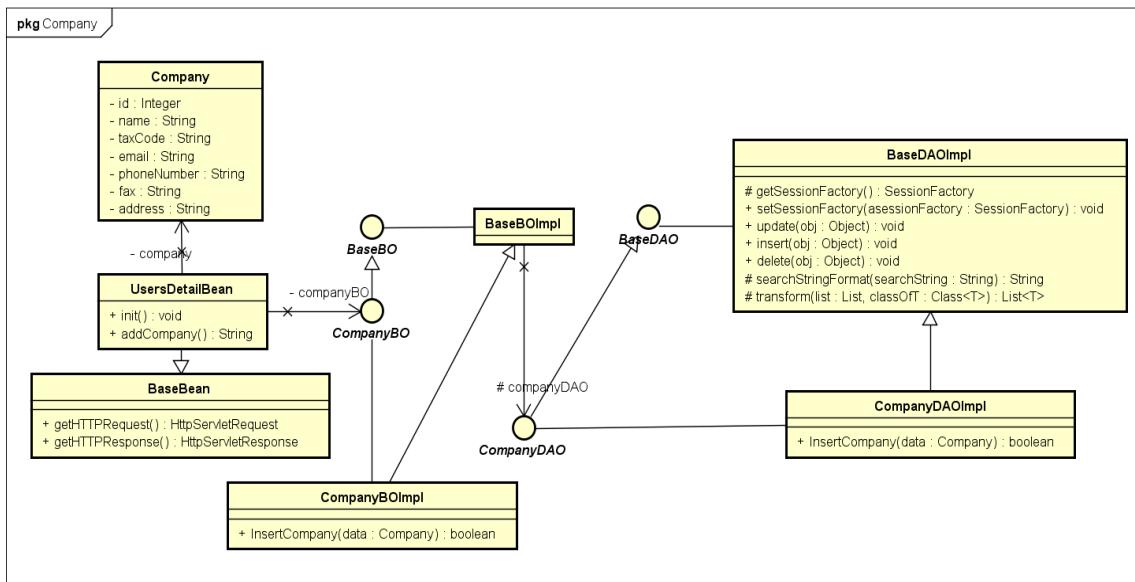


Figure 4.2-277 Add Company Class Diagram

##### 4.2.2.81.2 Screen Design

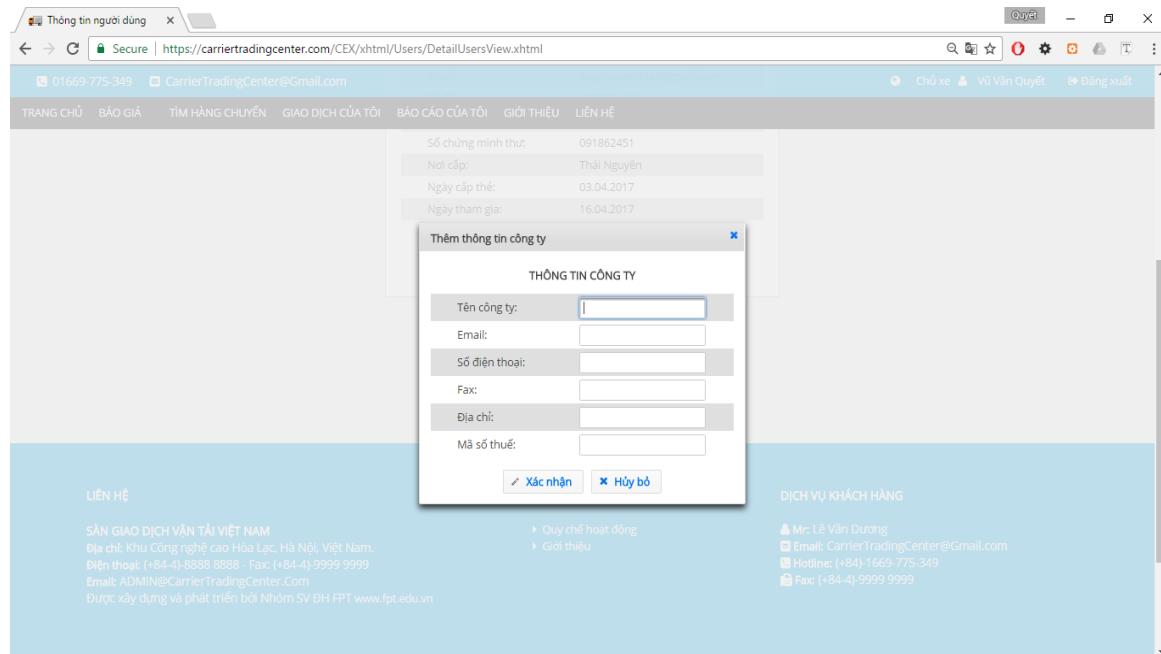


Figure 4.2-278 Add Company

No	Object/Control Name	Object/Control Name in English	Type	Required	Length	Description
1	Thông tin công ty	companyInformation	panelGrid			
2	Tên công ty	comapnyName	inputText		100	
3	Email	email	inputText		50	
4	Số điện thoại	phoneNumber	inputText		11	

5	Fax	fax	inputText		20	
6	Địa chỉ	address	inputText		100	
7	Mã số thuế	taxCode	inputText		20	
8	Lưu thay đổi	confirm	commandButton			
9	Hủy bỏ	cancel	commandButton			

#### 4.2.2.81.3 Sequence Diagram

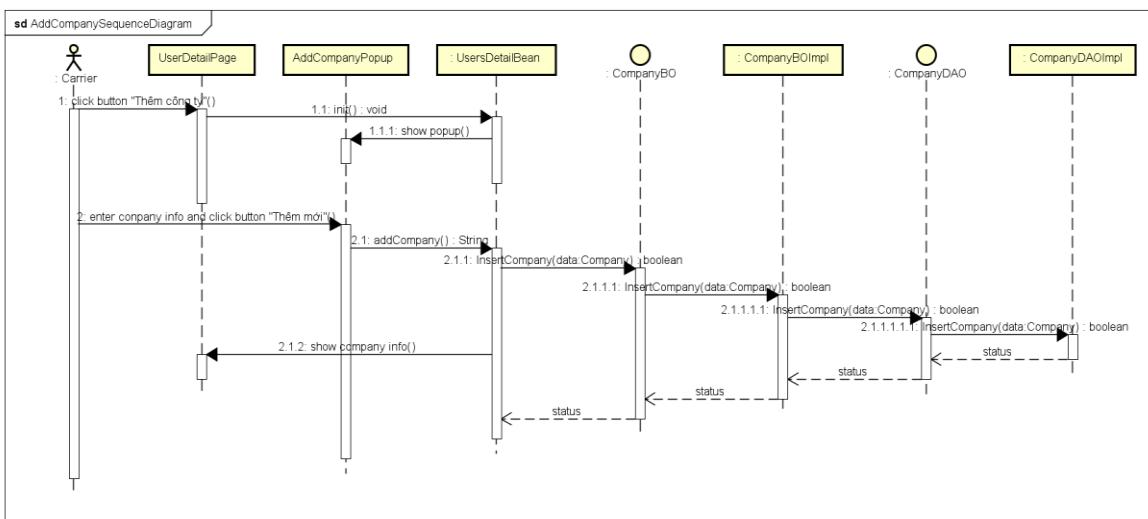


Figure 4.2-279 Add Company Class Diagram

## 4.3 Database design

### 4.3.1 Database Diagram

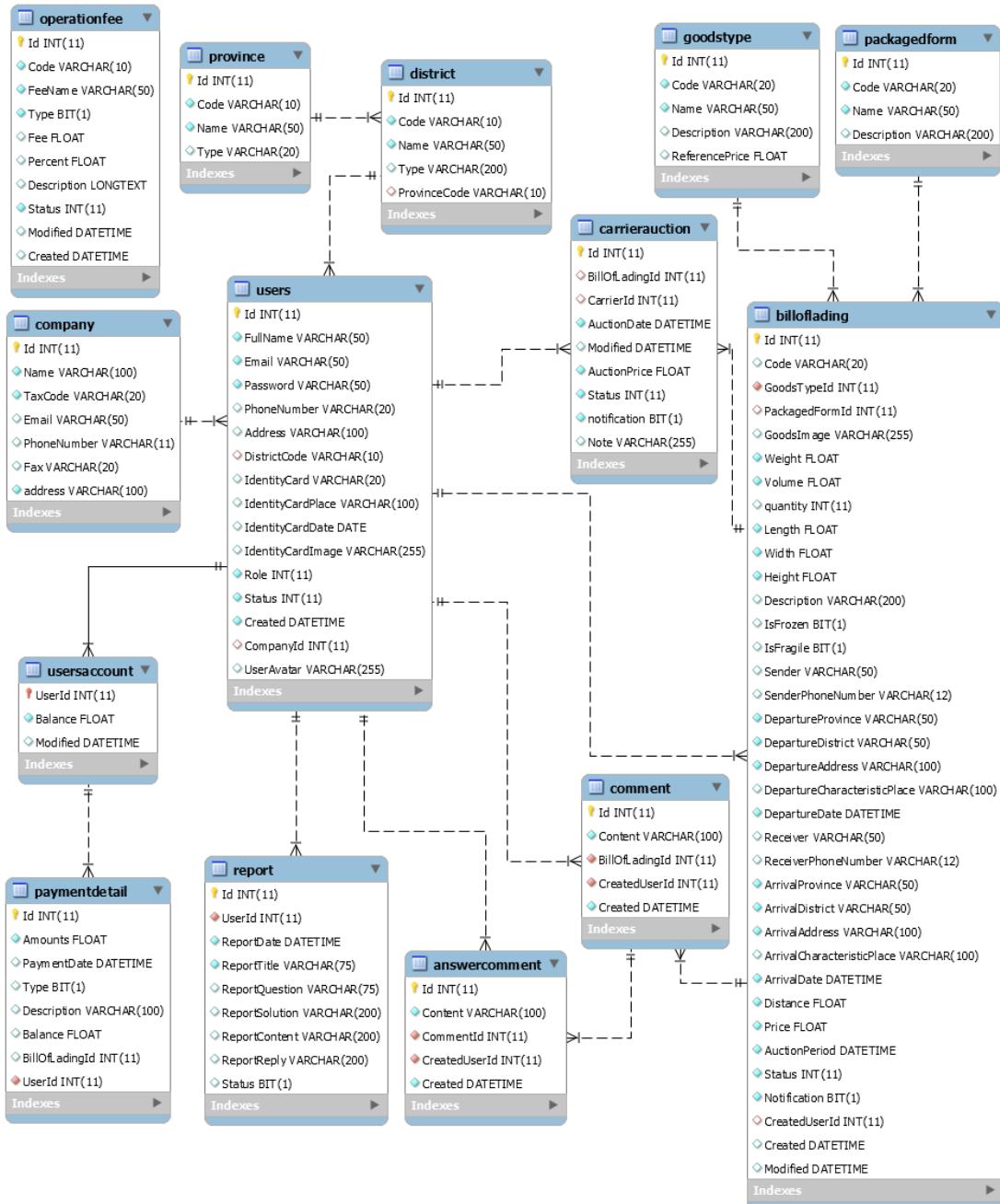


Figure 4.3-1 Database Diagram

### 4.3.2 Table Descriptions

#### 4.3.2.1 Table answercomment

No.	Attribute	Type	Constraints	Description
-----	-----------	------	-------------	-------------

1	Id	int(11)	NOT NULL PRIMARY KEY	
2	Content	varchar(100)	NOT NULL	
3	CommentId	int(11)	NOT NULL FOREIGN KEY	
4	CreatedUserId	int(11)	NOT NULL FOREIGN KEY	
5	Created	datetime	NOT NULL	

#### 4.3.2.2 Table billoflading

No	Attribute	Type	Constraints	Description
1	Id	int(11)	NOT NULL PRIMARY KEY	
2	Code	varchar(20)	DEFAULT NULL	
3	GoodsTypeId	Int(11)	NOT NULL FOREIGN KEY	
4	PackagedFormId	int(11)	DEFAULT NULL FOREIGN KEY	
5	GoodsImage	varchar(255)	DEFAULT NULL	
6	Weight	float	NOT NULL	
7	Volume	float	NOT NULL	
8	Quantity	int(11)	DEFAULT NULL	
9	Length	float	NOT NULL	
10	Width	float	NOT NULL	
11	Height	varchar(50)	NOT NULL	
12	Description	varchar(12)	DEFAULT NULL	
13	IsFrozen	varchar(50)	DEFAULT NULL	
14	IsFragile	varchar(50)	DEFAULT NULL	
15	Sender	varchar(100)	DEFAULT NULL	
16	SenderPhoneNumber	varchar(100)	DEFAULT NULL	
17	DepartureProvince	varchar(50)	NOT NULL	
18	DepartureDistrict	varchar(50)	NOT NULL	
19	DepartureAddress	varchar(100)	NOT NULL	
20	DepartureCharacteristicPlace	varchar(100)	DEFAULT NULL	
21	DepartureDate	datetime	NOT NULL	
22	Receiver	varchar(50)	DEFAULT NULL	
23	ReceiverPhoneNumber	varchar(12)	DEFAULT NULL	

24	ArrivalProvince	varchar(50)	NOT NULL	
			NOT NULL	
25	ArrivalDistrict	varchar(50)	NOT NULL	
26	ArrivalAddress	varchar(100)	DEFAULT NULL	
27	ArrivalCharacteristicPlace	varchar(100)	NOT NULL	
28	ArrivalDate	datetime	NOT NULL	
29	Distance	float	NOT NULL	
30	Fee	float	NOT NULL	
31	AuctionPeriod	datetime	NOT NULL	
32	Status	int(11)	NOT NULL	
33	Notification	bit(1)	DEFAULT NULL	
34	CreatedUserId	int(11)	DEFAULT NULL	
35	Created	datetime	DEFAULT NULL	
36	Modified	datetime	NOT NULL	

#### 4.3.2.3 Table carrierauction

No	Attribute	Type	Constraints	Description
1	Id	int(11)	NOT NULL PRIMARY KEY	
2	BillOfLadingId	int(11)	DEFAULT NULL FOREIGN KEY	
3	CarrierId	int(11)	DEFAULT NULL FOREIGN KEY	
4	AuctionDate	datetime	NOT NULL	
5	Modified	datetime	DEFAULT NULL	
6	AuctionFee	float	NOT NULL	
7	Status	int(11)	NOT NULL	
8	notification	bit(1)	NOT NULL	
9	Note	varchar(255)	DEFAULT NULL	

#### 4.3.2.4 Table comment

No	Attribute	Type	Constraints	Description
1	Id	int(11)	NOT NULL PRIMARY KEY	
2	Content	varchar(100)	NOT NULL FOREIGN KEY	
3	BillOfLadingId	int(11)	NOT NULL FOREIGN KEY	
4	CreatedUserId	int(11)	NOT NULL	
5	Created	datetime	NOT NULL	

#### 4.3.2.5 Table company

No	Attribute	Type	Constraints	Description
1	Id	int(11)	NOT NULL PRIMARY KEY	
2	Name	varchar(100)	NOT NULL	
3	TaxCode	varchar(20)	NOT NULL	
4	Email	varchar(50)	DEFAULT NULL	
5	PhoneNumber	varchar(11)	DEFAULT NULL	
6	Fax	varchar(20)	DEFAULT NULL	
7	address	varchar(100)	NOT NULL	

#### 4.3.2.6 Table district

No	Attribute	Type	Constraints	Description
1	Id	int(11)	NOT NULL PRIMARY KEY	
2	Code	varchar(10)	NOT NULL UNIQUE KEY	
3	Name	varchar(50)	NOT NULL	
4	Type	varchar(200)	DEFAULT NULL	
5	ProvinceCode	varchar(10)	DEFAULT NULL	

#### 4.3.2.7 Table goodstype

No	Attribute	Type	Constraints	Description
1	Id	int(11)	NOT NULL PRIMARY KEY	
2	Code	varchar(20)	NOT NULL	
3	Name	varchar(50)	NOT NULL	
4	Description	varchar(200)	DEFAULT NULL	
5	ReferenceFee	float	DEFAULT NULL	

#### 4.3.2.8 Table operationfee

No	Attribute	Type	Constraints	Description
1	Id	int(11)	NOT NULL PRIMARY KEY	
2	Code	varchar(10)	NOT NULL	
3	FeeName	varchar(50)	NOT NULL	
4	Type	bit(1)	NOT NULL	
5	Fee	float	DEFAULT NULL	
6	Percent	float	DEFAULT NULL	
7	Description	longtext		
8	Status	int(11)	NOT NULL	
9	Modified	datetime	DEFAULT NULL	
10	Created	datetime	DEFAULT NULL	

#### 4.3.2.9 Table packagedform

No	Attribute	Type	Constraints	Description
1	Id	int(11)	NOT NULL PRIMARY KEY	
2	Code	varchar(20)	NOT NULL	

3	Name	varchar(50)	NOT NULL	
4	Description	varchar(200)	DEFAULT NULL	

#### 4.3.2.10 Table paymentdetail

No	Attribute	Type	Constraints	Description
1	Id	int(11)	NOT NULL PRIMARY KEY	
2	Amounts	float	NOT NULL	
3	PaymentDate	datetime	DEFAULT NULL	
4	Type	bit(1)	DEFAULT NULL	
5	Description	varchar(100)	DEFAULT NULL	
6	Balance	float	DEFAULT NULL	
7	BillOfLadingId	int(11)	DEFAULT NULL	
8	UserId	int(11)	NOT NULL FOREIGN KEY	

#### 4.3.2.11 Table province

No	Attribute	Type	Constraints	Description
1	Id	int(11)	NOT NULL PRIMARY KEY	
2	Code	varchar(10)	NOT NULL UNIQUE KEY	
3	Name	varchar(50)	NOT NULL	
4	Type	varchar(20)	DEFAULT NULL	

#### 4.3.2.12 Table report

No	Attribute	Type	Constraints	Description
1	Id	int(11)	NOT NULL PRIMARY KEY	
2	UserId	int(11)	NOT NULL FOREIGN KEY	
3	ReportDate	datetime	NOT NULL	
4	ReportTitle	varchar(75)	NOT NULL	

5	ReportQuestio	varchar(75)	DEFAULT NULL	
6	ReportSolutio	varchar(200)	DEFAULT NULL	
7	ReportContent	varchar(200)	DEFAULT NULL	
8	ReportReply	varchar(200)	DEFAULT NULL	
9	Status	bit(1)	DEFAULT NULL	

#### 4.3.2.13 Table users

No	Attribute	Type	Constraints	Description
1	Id	int(11)	NOT NULL PRIMARY KEY	
2	FullName	varchar(50)	NOT NULL	
3	Email	varchar(50)	NOT NULL	
4	Password	varchar(50)	NOT NULL	
5	PhoneNumber	varchar(20)	NOT NULL	
6	Address	varchar(100)	DEFAULT NULL	
7	DistrictCode	varchar(10)	DEFAULT NULL FOREIGN KEY	
8	IdentityCard	varchar(20)	DEFAULT NULL	
9	IdentityCardPlace	varchar(100)	DEFAULT NULL	
10	IdentityCardDate	date	DEFAULT NULL	
11	IdentityCardImage	varchar(255)	DEFAULT NULL	
12	Role	int(11)	DEFAULT NULL	
13	Status	int(11)	NOT NULL	
14	Created	datetime	NOT NULL	
15	CompanyId	int(11)	NOT NULL FOREIGN KEY	
16	UserAvatar	varchar(255)	DEFAULT NULL	

#### 4.3.2.14 Table usersaccount

No	Attribute	Type	Constraints	Description
1	UserId	int(11)	NOT NULL PRIMARY KEY FOREIGN KEY	
2	Balance	Float	NOT NULL	DEFAULT 0

3	Modified	Datetime	NOT NULL	
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## 5 SOFTWARE TEST DOCUMENT

### 5.1 Introduction

#### 5.1.1 Purpose

The purpose of this document is to plan all the activities needed to perform testing for the system including test strategy and test control. This document also defines scope, requirements, and constraints, risks of testing stages.

#### 5.1.2 System overview

CTC is an online system that can run on web application. It is flexible and convenient to use every time and everywhere that can connect to the internet. The system is divided into multiple modules for each specific kind of user. The combination of these modules makes the workflow of the whole system become unified, so it can work fluently. On CTC, that system provides these main functions

##### 5.1.2.1 Client features

###### 5.1.2.1.1 Guest features

- **Register:**
  - Register a new account: guest can register a new account to become a new user to use CTC service.
- **List bill of lading:**
  - Search bill of lading: guest can search bill of lading on CTC with key words
  - View bill of lading list: guest can view bill of lading are auctioning on CTC.
- **Fee list:**
  - View fee: guest can view fee list on CTC.
  - Reference fee: guest can reference fee actual fee system updated.

###### 5.1.2.1.2 Goods owner features

- **List bill of lading:**
  - View bill of lading list: goods owner can view bill of lading are auctioning on CTC.
  - View bill of lading detail: goods owner can view detail of bill of lading on CTC.
  - Search bill of lading: goods owner can search bill of lading on CTC with key words.
  - View carrier auction success: When bill of lading of goods owner is successful, they can view who got their bill of lading.
  - Confirm complete transaction: when receiver received goods, goods owner had to confirm with system to get the arrange payment.
  - Register a new bill of lading: when goods owner has goods for transport they can create a bill of lading to post on CTC to find carrier.
  - Cancel bill of lading: when goods owner doesn't want to send their goods, they can be using cancel function to remove their bill of lading.
- **Manage profile:**
  - Edit profile: goods owner can edit their profile on system.
  - View profile: goods owner can view their profile on system.
  - Change password: goods owner can change their password for raise security.
  - Forget password: when goods owner do not remember their password, they can send request to system to reset password.
  - Add company: goods owner can add company's information to their detail.
- **Manage report:**

- Send report: goods owner can send report to admin.
- Search report: goods owner can search report in their report list with title of report, time sent.
- View report list: goods owner can view their report on their report list.
- Cancel report: goods owner can cancel their report.
- **Fee list:**
  - Reference fee: goods owner can view fee list on CTC.
  - View fee list: goods owner can reference fee actual fee system updated.
  - Account recharge: goods owner can recharge to their account for use CTC's services.
- **Transaction history:**
  - Transaction history: goods owner can check money in their account and check what did they do with their money.
- **Login:**
  - Login: goods owner can login to CTC to use CTC's service.
- **Logout:**
  - Logout: goods owner can logout CTC.
- **Connect to carrier:**
  - Connect to carrier: when goods owner is success on auction bill of lading, they can contact to carrier who got the auction and will distribute their goods.

#### 5.1.2.1.3 Carrier feature

- **List bill of lading:**
  - View bill of lading list: carrier can view bill of lading are auctioning on CTC.
  - Confirm complete transaction: when receiver got goods, carrier have to confirm with system to get down payment.
  - View bill of lading detail: carrier can view bill of lading detail on CTC
  - Auction bill of lading: when carrier want to transport goods, they can find a bill of lading and then auction it.
  - Search bill of lading: carrier can search bill of lading on CTC with key words.
  - Cancel bill of lading: because some reason carrier cannot transport continue, they can be cancel bill of lading.
- **Manage profile:**
  - Edit profile: carrier can edit their profile on system.
  - View profile: carrier can view their profile on system.
  - Change password: carrier can change their password for raise security.
  - Forget password: carrier do not remember their password, they can send request to system to reset password.
  - Add company: carrier can add company's information to their information.
- **Manage report:**
  - Send report: carrier can send report to admin.
  - Search report: carrier can search report in their report list with title of report, time sent.
  - View report list: carrier can view their report on their report list.
  - Cancel report: carrier can cancel their report.
- **Fee list:**
  - Reference fee: carrier can view fee list on CTC.

- View fee list: carrier can reference fee actual fee system updated.
- **Account recharge:**
  - Account recharge: carrier can recharge their account for use CTC's services.
  - Transaction history: carrier can check money in their account and keep track what did they do with their money.
- **Login:**
  - Login: carrier can login to CTC to use CTC's service.
- **Logout:**
  - Logout: carrier can logout CTC.
- **Connect to goods owner:**
  - Connect to goods owner: when goods owner is success on auction bill of lading, they can connect to goods owner who have goods they carry.

#### 5.1.2.2 Admin features

- **List bill of lading:**
  - View bill of lading list: admin can view bill of lading are auctioning on CTC.
  - View bill of lading detail: admin can view bill of lading detail on CTC.
  - Search bill of lading: admin can search bill of lading on CTC with key words.
  - View carrier auction success: When bill of lading of goods owner is successful, admin can view how are get their bill of lading.
  - Summary all bill of lading: admin can summary all bill of lading.
  - View carrier list who are auctioning: admin can view how many carrier are auctioning a bill of lading and who are auctioning bill of lading.
- **Manage user:**
  - Search user: admin can search user with name of user, email address, province, role of user keyword.
  - View user profile: admin can view user profile.
  - Edit user profile: admin can edit user profile.
  - Active user: admin can active user to allow this user can use CTC's service.
  - Deactivate user: admin can deactivate user to disallow user use CTC's service.
  - Add company: admin can add company's information to user detail.
  - Account recharge for user: admin can recharge directly to account of user.
  - Edit company information: admin can edit user's company's information.
- **Fee list:**
  - Reference fee: admin can view fee list on CTC.
  - View fee list: admin can reference fee actual fee system updated.
  - Add a new fee: admin can add a new fee to fee list on CTC.
  - Edit fee list: admin can edit fee on fee list on CTC.
  - View fee table history: admin can view history of fee table.
  - Edit reference fee: admin can edit reference fee.
- **Manage report:**
  - Send report: admin can response report to goods owner and carrier.
  - Search report: admin can search report in their report list with title of report, time sent.
  - View report list: admin can view their report on their report list.
- **Transaction history:**

- Transaction history: admin can check money in their account and keep track what did they do with their money.
- **Login:**
  - Login: admin can login to CTC to use CTC's service.
- **Logout:**
  - Logout: admin can logout CTC.
- **Manage profile:**
  - Edit profile: admin can edit their profile on system.
  - View profile: admin can view their profile on system.
  - Change password: admin can change their password to raise account's security.
  - Forget password: admin do not remember their password, they can send request to system to reset password.

## 5.2 Test plan

### 5.3 Scope of testing

The scope of testing in the project include:

- **Stages of testing:** the team has responsibility to conduct Unit testing, Integration testing and System testing
- **Types of testing:** The test team have to test functional and user interface testing
- **Range of testing:** Team performs testing all functions defined in the SRS based on the approved version. Test cases of each function are defined in the Test cases document that will be tested to determine if they meet the requirements and result at the moment will also be checked according to the SRS

#### 5.3.1 Requirement for testing

##### 5.3.1.1 Test items

UC No.	Group Of Functions	Function	Glossary
<b>Guest</b>			
UC001	<b>Register</b>	Register a new account	
UC002	<b>Bill of lading list</b>	Search bill of lading	
UC003		View bill of lading list	
UC004	<b>Fee list</b>	View fee	
UC005		Reference fee	
<b>Admin</b>			
UC006	<b>Bill of lading list</b>	View bill of lading detail	
UC007		Search bill of lading	
UC008		View bill of lading list	
UC009		View carrier auction success	
UC010		Summary all bill of lading	
UC011		View carrier list who are auctioning	
UC012	<b>Manage user</b>	Search user	
UC013		View user profile	
UC014		Edit user profile	
UC015		Add company	

UC016		Account recharge for user	
UC017		Active user	
UC018		Deactivate user	
UC019		Edit company information	
UC020		View user list	
UC021	<b>Fee list</b>	View fee list	
UC022		Add a new fee	
UC023		View fee table history	
UC024		Edit fee list	
UC025		Reference fee	
UC026		Edit reference fee	
UC027	<b>Transaction history</b>	Transaction History	
UC028	<b>Login</b>	Login	
UC029	<b>Logout</b>	Logout	
UC030	<b>Manage report</b>	Search report	
UC031		Response report	
UC032		View report list	
UC033	<b>Manage profile</b>	View profile	
UC034		Edit profile	
UC035		Forget password	
UC036		Change password	
<b>Goods owner</b>			
UC037	<b>Bill of lading list</b>	View bill of lading list	
UC038		View bill of lading detail	
UC039		Search bill of lading	
UC040		View carrier auction success	
UC041		Confirm complete transaction	
UC042		Post a new bill of lading	
UC043		Cancel bill of lading	
UC044	<b>Manage profile</b>	Edit profile	
UC045		View profile	
UC046		Change password	
UC047		Forget password	
UC048		Add company	
UC049	<b>Manage report</b>	Send report	
UC050		Search report	
UC051		View report list	
UC052	<b>Fee list</b>	Reference fee	
UC053		View fee list	
UC054	<b>Account recharge</b>	Account recharge	
UC055	<b>Transaction history</b>	Transaction history	
UC056	<b>Login</b>	Login	
UC057	<b>Logout</b>	Logout	
UC058	<b>Connect to carrier</b>	Connect to carrier	
<b>Carrier</b>			
UC059	<b>Bill of lading list</b>	View bill of lading list	
UC060		Confirm complete transaction	
UC061		View bill of lading detail	
UC062		Auction bill of lading	
UC063		Search bill of lading	

UC064		Cancel bill of lading	
UC065	<b>Manage profile</b>	Edit profile	
UC066		View profile	
UC067		Change password	
UC068		Forget password	
UC069		Add company	
UC070	<b>Manage report</b>	View report list	
UC071		Search report	
UC072		Send report	
UC073	<b>Fee list</b>	Reference fee	
UC074		View fee list	
UC075	<b>Transaction history</b>	Transaction history	
UC076	<b>Login</b>	Login	
UC077	<b>Logout</b>	Logout	
UC078	<b>Connect to goods owner</b>	Connect to goods owner	
UC079	<b>Account recharge</b>	Account recharge	

Table 5.3-1: Test item

### 5.3.1.2 Acceptance Test Criteria

- System does not have customers to perform acceptance test.

### 5.3.1.3 Constraints

- Testing team only has 2 members
- The program has many functions so the number of line of code is very high, which leads to have more number of test cases.

#### 5.3.1.3.1 Risk list

The project could face with some risks:

- Tester has not familiar with CTC so that the progress testing is slower than plan, team may not keep the deadline as planned
- Test devices may shut-down or corrupted.
- Lack of time and resources for testing
- Members may get sick during project implementation

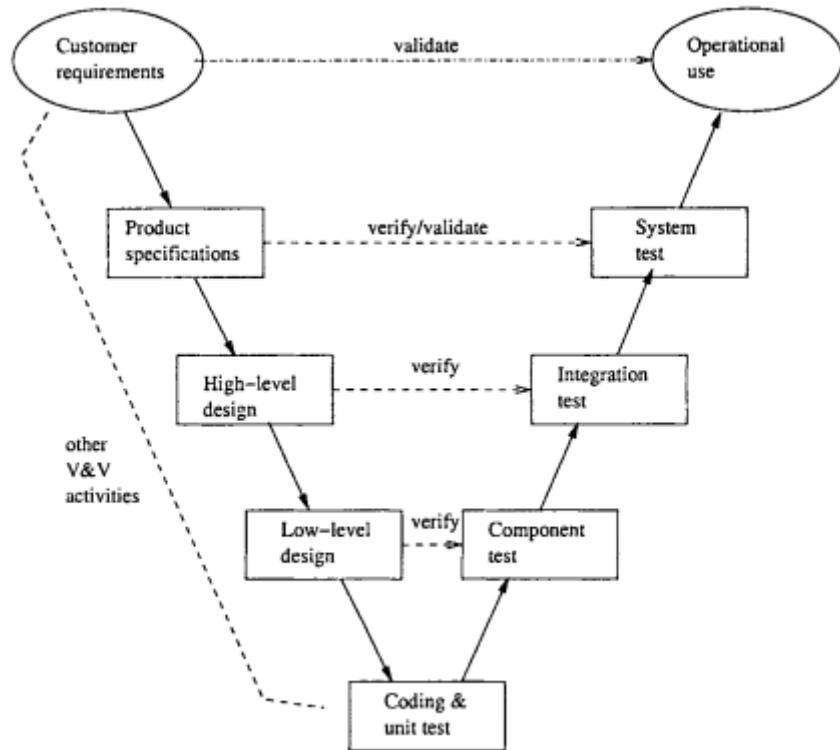
### 5.3.2 Test strategy

#### 5.3.2.1 Test policy

- Test without moral and ethic.
- Find bugs as soon as possible and always make sure they have been fixed.
- No outstanding high severity faults.
- Ensuring the product covers key features and attributes requirements.

#### 5.3.2.2 Test model

Using V-Model to implement testing process



**Figure 5.3-1: V-Model to implement testing process**

Due to scope of CTC project and project must always fulfill user requirements. With V-Model, software development is separated into two appropriate phases' groups: development and testing. Testing phase is carried out simultaneously from the early of project, the requirement specification phase. Therefore, tester could study and understand the entire requirement as well as business of project

Moreover, there are many variations among planning, design and implementation during the whole project. To catch up with all changes and ensure logic as well as business, V-model is choose as a solution to help testers control and follow the actual workflows.

This testing is executed to ensure that all requirements mentioned in SRS, included both functional requirements and non-functional requirements which are implemented correctly.

- **Technique:**

- **Integration test:** Base on requirement in SRS and validation in database, test team will test as black box testing method to check if the input and output display as expected and does that flow work fluently
- **System testing:** Based on requirements in SRS, test team will create scenarios for system testing (ST) to ensure project's business. In ST, tester will create test cases based on these scenarios and run to verify functional and non-functional requirements.

- **Completion criteria:**

- All planned test cases have been executed compared with expected result in test cases.
- System test cases must be green (passed) at least 97%
- All defects must be logged into test documents and re-tested after it is fixed.

- All defects, which are accepted by customer or project technical leader and project manager, will be marked as accepted and not be retested.
  - All defects must be resolved or accepted.
  - These criteria will be applied for all test types.
- **Special considerations:**
- Test databases will be required
  - Testing may be stopped when:
    - A certain number of defects found
    - Time runs out
    - Test coverage > 97%
    - Stop when testing becomes unproductive.

### 5.3.2.3 Type of testing

#### 5.3.2.3.1 Functional Testing

Function testing of the target-of-test should focus on any requirements for test that can be traced directly to use cases or business functions and business rules. The goals of these tests are to verify proper data acceptance, processing, and retrieval, and the appropriate implementation of the business rules. This type of testing is based upon black box a 1application via the Graphical User Interface (GUI) and analyzing the output or results. Identified below is an outline of the testing recommended for each application

<b>Test Objective:</b>	The type of this test is to ensure proper target-of-test functionality, including user interaction, all function defined in specification document implemented correctly.
<b>Technique:</b>	The test team will execute each use case, use-case flow, or function, using valid and invalid data, to verify the following: <ul style="list-style-type: none"> <li>• The expected results occur when valid data is used.</li> <li>• The appropriate error or warning messages are displayed when invalid data is used.</li> <li>• Each business rule is properly applied.</li> </ul>
<b>Completion Criteria:</b>	All planned tests have been executed. All identified defects have been addressed and closed
<b>Special Considerations:</b>	Testing may be stopped when <ul style="list-style-type: none"> <li>• Time runs out</li> <li>• A certain number of defects found</li> <li>• Test coverage &gt; 97%</li> <li>• Stop when testing becomes unproductive</li> </ul>

**Table 5.3: Functional testing**

#### 5.3.2.3.2 User Interface Testing

User Interface (UI) testing verifies a user's interaction with the software. The goal of UI testing is to ensure that the User Interface provides the user with the appropriate access and navigation through the functions of the target-of-test. In addition, UI testing ensures that the objects within the UI function as expected and conform to corporate or industry standards.

<b>Test Objective:</b>	Verify the following: Navigation through the target-of-test properly reflects business functions and requirements, including window-to-window, field-to-field, and use of access methods (tab keys, mouse movements, accelerator keys)
<b>Technique:</b>	Create or modify tests for each page to verify proper navigation and object states for each page
<b>Completion Criteria:</b>	Each window successfully verified to remain consistent with benchmark version or within acceptable standard

**Table 5.3-3: User Interface testing****5.3.2.4 Test stage**

Clearly state the stage in which the test will be executed. Identified below are the stages in which common test are executed

<b>Type of Tests</b>	<b>Stage of Test</b>		
	<b>Unit</b>	<b>Integration</b>	<b>System</b>
Function Test	x	X	x
User Interface test	x		x

**Table 5.3-4: Test stages****5.3.2.5 Tools**

<b>Purpose</b>	<b>Tool</b>	<b>Vendor/ In- house</b>	<b>Version</b>
Access to website	Chrome		
	Firefox		
Keep tracking defects	Hostedredmine.com		
Test Plan	MS Word		Office 2016
Test Case, Test Report	MS Excel		Office 2016

**Table 5.3-5: Tools****5.3.2.6 Resources**

This table shows the staffing assumptions for the project.

<b>Worker/Doer</b>	<b>Specific Responsibilities/Comments</b>
Trịnh Đình Quyết Đặng Lê Tuân	<ul style="list-style-type: none"> <li>- Manage Test resource and assign test tasks</li> <li>- Create Test Plan</li> <li>- Review Test Cases</li> <li>- Create Test Report</li> </ul>

	- Execute Test
--	----------------

**Table 5.3-6: Human resource**

## 5.4 Test case

ID	Test case description	Test case procedure	Expect output	Result	
[Admin-1]	Sign in with empty username & password	1. Click button "Đăng nhập" in navigation bar 2. Sign up with empty username & password. 3. Click "Đăng nhập".	1. Show 2 messages "Bạn chưa nhập Email!" and "Bạn chưa nhập Mật khẩu!"	Pass	
[Admin-2]	Sign in with wrong username & empty password	1. Click button "Đăng nhập" in navigation bar 2. Sign in with wrong username & empty password 3. Click "Đăng nhập".	1. Show Error Message "Bạn chưa nhập Mật khẩu!"	Pass	
[Admin-3]	Sign in with correct username & empty password	1. Click button "Đăng nhập" in navigation bar 2. Sign in with empty username & password 3. Click "Đăng nhập".	1. Show Error Message "Bạn chưa nhập Mật khẩu!"	Pass	
[Admin-4]	Sign in with empty username & wrong password	1. Click button "Đăng nhập" in navigation bar 2. Sign in with correct username & empty password 3. Click "Đăng nhập".	1. Show Error Message "Bạn chưa nhập Email!"	Pass	
[Admin-5]	Sign in with wrong username & password	1. Click button "Đăng nhập" in navigation bar 2. Sign in with wrong username & password 3. Click "Đăng nhập".	1. Show pop-up error message "Email và mật khẩu chưa đúng!"	Pass	
[Admin-6]	Sign in with correct username & wrong password	1. Click button "Đăng nhập" in navigation bar 2. Sign in with correct username & wrong password 3. Click "Đăng nhập".	1. Show pop-up error message "Email và mật khẩu chưa đúng!"	Pass	

[Admin-7]	Sign in with empty username & correct password	1. Click button "Đăng nhập" in navigation bar 2. Sign in with empty username & correct password 3. Click "Đăng nhập".	1. Show error message "Bạn chưa nhập Email!"	Pass	
[Admin-8]	Sign in with wrong username & correct password	1. Click button "Đăng nhập" in navigation bar 2. Sign in with wrong username & correct password 3. Click "Đăng nhập".	1. Show pop-up error message "Email và mật khẩu chưa đúng!"	Pass	
[Admin-9]	Sign in with correct username & correct password	1. Click button "Đăng nhập" in navigation bar 2. Sign in with correct username & correct password 3. Click "Đăng nhập".	1. Redirect to homepage	Pass	
[Admin-10]	Go to Change password page	1. Hover on the username in navigation link 2. Click on "Thay đổi mật khẩu"	1. Redirect link to change password page	Pass	
[Admin-11]	Empty value on all field in change password page	1. Goods owner not input anything on the change password page 2. Click on "Đổi mật khẩu"	1. Return message for all field required "Mật khẩu cũ không được để trống!" and "Mật khẩu mới không được để trống!" and "Xác nhận mật khẩu không được để trống!" 2. Decline goods owner request to change password	Pass	
[Admin-12]	Input wrong old password	1. Goods owner input all correct-form password in the new password and confirm new password 2. Input wrong old password 3. Click on "Đổi mật khẩu"	1. Redirect to home page	Pass	
[Admin-13]	Input correct old password and not input	1. Goods owner not input all correct-form password in the new password and confirm	1. Return message "Mật khẩu mới không được để trống!" and "Xác nhận mật khẩu	Pass	

	in other field	<p>new password</p> <p>2. Input correct old password</p> <p>3. Click on "Đổi mật khẩu"</p>	<p>không được để trống!"</p> <p>2. Decline goods owner request to change password</p>		
[Admin-14]	Input correct old password and not input in confirm new password	<p>1. Goods owner not input all correct-form password in the new password and confirm new password</p> <p>2. Input correct old password</p> <p>3. Click on "Đổi mật khẩu"</p>	<p>1. Return message "Mật khẩu mới không trùng nhau!"</p> <p>2. Decline goods owner request to change password</p>	Pass	
[Admin-15]	Input correct old password and input new password without uppercase	<p>1. Goods owner input correct-form without uppercase password in the new password and confirm new password</p> <p>2. Input correct old password</p> <p>3. Click on "Đổi mật khẩu"</p>	<p>1. Return message "Mật khẩu phải có từ 6 đến 20 ký tự, có ít nhất 1 chữ số, 1 chữ cái viết hoa và một trong các ký tự (? , !, #, @, *, %)." </p> <p>2. Decline goods owner request to change password</p>	Pass	
[Admin-16]	Input correct old password and input new password without number	<p>1. Goods owner input correct-form without number password in the new password and confirm new password</p> <p>2. Input correct old password</p> <p>3. Click on "Đổi mật khẩu"</p>	<p>1. Return message "Mật khẩu phải có từ 6 đến 20 ký tự, có ít nhất 1 chữ số, 1 chữ cái viết hoa và một trong các ký tự (? , !, #, @, *, %)." </p> <p>2. Decline goods owner request to change password</p>	Pass	
[Admin-17]	Input correct old password and input new password without special symbol	<p>1. Goods owner input correct-form without special symbol password in the new password and confirm new password</p> <p>2. Input correct old password</p> <p>3. Click on "Đổi mật khẩu"</p>	<p>1. Return message "Mật khẩu phải có từ 6 đến 20 ký tự, có ít nhất 1 chữ số, 1 chữ cái viết hoa và một trong các ký tự (? , !, #, @, *, %)." </p> <p>2. Decline goods owner request to change password</p>	Pass	
[Admin-18]	Input correct old password and input	<p>1. Goods owner input correct-form with least than 6 characters</p>	<p>1. Return message "Mật khẩu phải có từ 6 đến 20 ký tự, có ít</p>	Pass	

	new password least than 6 characters	password in the new password and confirm new password 2. Input correct old password 3. Click on "Đổi mật khẩu"	nhất 1 chữ số, 1 chữ cái viết hoa và một trong các ký tự (? , !, #, @, *, %)." 2. Decline goods owner request to change password		
[Admin-19]	Input correct old password and input new password more than 21 characters	1. Goods owner input correct-form with more than 20 characters password in the new password and confirm new password 2. Input correct old password 3. Click on "Đổi mật khẩu"	1. Return message "Mật khẩu phải có từ 6 đến 20 ký tự, có ít nhất 1 chữ số, 1 chữ cái viết hoa và một trong các ký tự (? , !, #, @, *, %)." 2. Decline goods owner request to change password	Pass	
[Admin-20]	Input correct old password and mismatch correct-form of new password and confirm new password	1. Goods owner input all correct-form password in the new password and confirm new password but mismatch 2. Input correct old password 3. Click on "Đổi mật khẩu"	1. Return pop-up message "Mật khẩu mới không trùng nhau!" 2. Decline goods owner request to change password	Pass	
[Admin-21]	Input all correct value in all field	1. Goods owner input all correct-form password in the new password and confirm new password 2. Input correct old password 3. Click on "Đổi mật khẩu"	1. Return pop-up message "Thay đổi mật khẩu thành công!" 2. Accept goods owner request to change password 3. Redirect to homepage	Pass	
[Admin-22]	Sign out	1. Carrier clicks his/her full name on top right of navigation bar. 2. Carrier clicks “Đăng xuất”.	1. Redirect to Homepage	Pass	
[Admin-23]	View list of users under table page	1. Log in with admin's account 2. Click on "Quản lý người dùng" on navigation page 3. View all information	1. Show all information of all users registered in page 2. All key information list in table form	Pass	

		of each user under list	3. There's 2 buttons to using with each user in 2 columns "Kích hoạt" and "Chi tiết"		
[Admin-24]	Not input anything in search form	1. Log in with admin's account 2. Click on "Quản lý người dùng" on navigation page 3. Left all input box in search form empty and click "Tìm kiếm"	1. Show all information of all users registered in page 2. All key information list in table form 3. There's 2 buttons to using with each user in 2 columns "Kích hoạt" and "Chi tiết"	Pass	
[Admin-25]	Input value in input box "Email" and left others empty in search form	1. Log in with admin's account 2. Click on "Quản lý người dùng" on navigation page 3. Left all input box in search form empty and click "Tìm kiếm" except input box "Email"	1. Show all information of all users registered in page 2. All key information list in table form match the value input in search form 3. There's 2 buttons to using with each user in 2 columns "Kích hoạt" and "Chi tiết"	Pass	
[Admin-26]	Input value in input box "Tỉnh" and left others empty in search form	1. Log in with admin's account 2. Click on "Quản lý người dùng" on navigation page 3. Left all input box in search form empty and click "Tìm kiếm" except input box "Tỉnh"	1. Show all information of all users registered in page 2. All key information list in table form match the value input in search form 3. There's 2 buttons to using with each user in 2 columns "Kích hoạt" and "Chi tiết"	Pass	
[Admin-27]	Select value from drop down list "Quyền truy cập" and left others empty in search form	1. Log in with admin's account 2. Click on "Quản lý người dùng" on navigation page 3. Left all input box in search form empty and click "Tìm kiếm" except combo box	1. Show all information of all users registered in page 2. All key information list in table form match the value input in search form 3. There's 2 buttons to using with each user	Pass	

		"Quyền truy cập"	in 2 columns "Kích hoạt" and "Chi tiết"		
--	--	------------------	---	--	--

**Table 5.4-1:** Test Item

For more details about all test suites, please look at file “**CTC\_TestCase\_Final.xlsx**”

## 5.5 Check list

### 5.5.1 Checklists about general

#### 5.5.1.1 Screen design

No	Question	Yes	No	N/A
1	Screen elements are consistent, and important information is above the fold?			
2	Text is over plain background, and there is high contrast between the two?			

**Table 5.5-1:** Screen design checklist

#### 5.5.1.2 Fonts and graphics

No	Question	Yes	No	N/A
1	Graphics are properly optimized			
2	Text in graphics is generally avoided.			
3	Fonts, when enlarged, do not destroy layout.			
4	Fonts are large enough and scalable.			

**Table 5.5-2:** Fonts and graphics checklist

#### 5.5.1.3 Content design

No	Question	Yes	No	N/A
1	Uses lists, very short paragraphs, etc. to make content scanable			
2	No moving text; most is left justified; no upper case sentences/paragraphs; italics and bold are used sparingly.			

**Table 5.5-3:** Content design checklist

#### 5.5.1.4 3.1.4 Writing

No	Question	Yes	No	N/A
1	Writing is brief, concise, and well edited			
2	Uses simple sentence structures and words.			

**Table 5.5-6:** Writing checklist

## 5.5.2 Checklists for user interface testing

### 5.5.2.1 Contents

No	Question	Yes	No	N/A
1	All fonts to be the same?			
2	Are all the screen prompts specified in the correct screen font?			
3	Is all text properly aligned?			
4	Is the text in all fields specified in the correct screen font?			
5	Is all the headings left aligned?			

**Table 5.5-8:** Content checklist

### 5.5.2.2 Color

No	Question	Yes	No	N/A
1	Are hyperlink colors standard?			
2	Are the field backgrounds the correct color?			
3	Are all the buttons are in standard format and size?			
4	Is the general screen background the correct color?			
5	Are the screen and field colors adjusted correctly for non-editable mode?			

**Table 5.5-9:** Color checklist

### 5.5.2.3 Usability

No	Question	Yes	No	N/A
1	Are checkboxes, radio button, dropdown list... showing data correctly and updated?			
2	Are all the field prompts spelt correctly?			
3	Are fonts too large or too small to read?			
4	Are names in command button & option box names are not abbreviations			
5	Assure that option boxes, option buttons, and command buttons are logically grouped together in clearly demarcated areas "Group Box"			
6	Can users run the system without frustration?			

**Table 5.5-10:** Usability checklist

## 5.6 Test logs

### 5.6.1 Defect log

- CTC project used <http://www.hostedredmine.com/> to manager tasks, bugs and defects.
- Every member of CTC project created an account in HostedRedmine to take part in activities: control bugs, fix bugs, re-test bugs and close bug. Bug will be log by tester or developer in development progress.

### 5.6.2 Test report

Project Name	Carrier Trading Center	Creator	QuyetTD
Project Code	CTC	Reviewer/Approver	SangNV
Document Code	CTC_TestReport	Issue Date	06/04/2017

Table 5.6-1: Test report

No.	Function	Test case				Checklist			Total
		Yes	No	Untested	N/A	Yes	No	N/A	
<b>Guest</b>									
01	Register a new account	50				24		2	76
02	Search bill of lading	17				22		4	43
03	View bill of lading list	6				22		4	32
04	View fee	1				22		4	27
05	Reference fee	1				22		4	27
<b>Admin</b>									
06	View bill of lading detail	7				22		4	33
07	Search bill of lading	23				22		4	59
08	View bill of lading list	1				24		2	27
09	View carrier auction success	1				24		2	27
10	Summary all bill of lading	17				24		2	43
11	View carrier list who are auctioning	1				24		2	27
12	Search user	12				22		4	38
13	View user profile	1				22		4	27
14	Edit user profile	38				24		2	64
15	Add company	26				24		2	52
16	Account recharge for user	4				24		2	30
17	Active user	1				24		2	27
18	Deactivate user	1				24		2	27
19	Edit company information	27				24		2	53
20	View user list	4				24		2	30
21	View fee list	5				24		2	31
22	Add a new fee	22				24		2	48
23	View fee table history	1				22		4	27
24	Edit fee list	19				22		4	45

25	Reference fee	1			24		2	27
26	Edit reference fee	5			24		2	31
27	Transaction History	3			24		2	29
28	Login	9			24		2	35
29	Logout	1			24		2	27
30	Search report	10			24		2	36
31	Response report	1			24		2	27
32	View report list	13			24		2	39
33	View profile	1			24		2	27
34	Edit profile	51			24		2	77
35	Forget password	3			24		2	29
36	Change password	11			24		2	37
<b>Goods Owner</b>								
37	View bill of lading list	6			22		4	32
38	View bill of lading detail	1			22		4	27
39	Search bill of lading	52			24		2	78
40	View carrier auction success	1			24		2	27
41	Confirm complete transaction	1			24		2	27
42	Post a new bill of lading	66			24		2	92
43	Cancel bill of lading	2			22		4	28
44	Edit profile	9			22		4	35
45	View profile	1			24		2	27
46	Change password	12			24		2	38
47	Forget password	3			24		2	29
48	Add company	27			24		2	53
49	Send report	13			24		2	39
50	Search report	4			24		2	30
51	View report list	14			24		2	40
52	Reference fee	1			24		2	27
53	View fee list	1			24		2	27
54	Account recharge for user	2			22		4	28
55	Transaction history	10			22		4	36
56	Login	9			24		2	35
57	Logout	1			24		2	27
58	Connect to carrier	2			24		2	28
59	Cancel report	2			22		4	28
<b>Carrier</b>								
60	View bill of lading list	6			22		4	32
61	Confirm complete transaction	1			22		4	27
62	View bill of lading detail	1			24		2	27
63	Auction bill of lading	5			24		2	31
64	Search bill of lading	52			24		2	78
65	Cancel bill of lading	2			24		2	28
66	Edit profile	9			22		4	35
67	View profile	1			22		4	27
68	Change password	12			24		2	38
69	Forget password	3			24		2	29
70	Add company	27			24		2	53
71	View report list	14			24		2	40

72	Search report	4			24		2	30
73	Send report	13			24		2	39
74	Reference fee	1			24		2	27
75	View fee list	1			24		2	27
76	Transaction history	10			24		2	36
77	Login	9			22		4	35
78	Logout	1			22		4	27
79	Connect to goods owner	1			24		2	27
80	Account recharge	2			22		4	28
81	Cancel reports	2			22		4	28
<hr/>								
Total		813			1894		212	2919
Test coverage		100%						
Test successful coverage		100%						

**Table 5.6-2: Test result**

## 6 USER'S GUIDE

### 6.1 Introduction

This document contains guidelines to deploy “Carrier Trading Center” Web app on AWS Elastic Beanstalk, Mysql with Amazon RDS, register a domain name for a web app, configure to use SSL with AWS certificate manager and Amazon Route 53 to route end users to the Web app.

#### 6.1.1 Environment

Following are the software required to setup the Ca System:

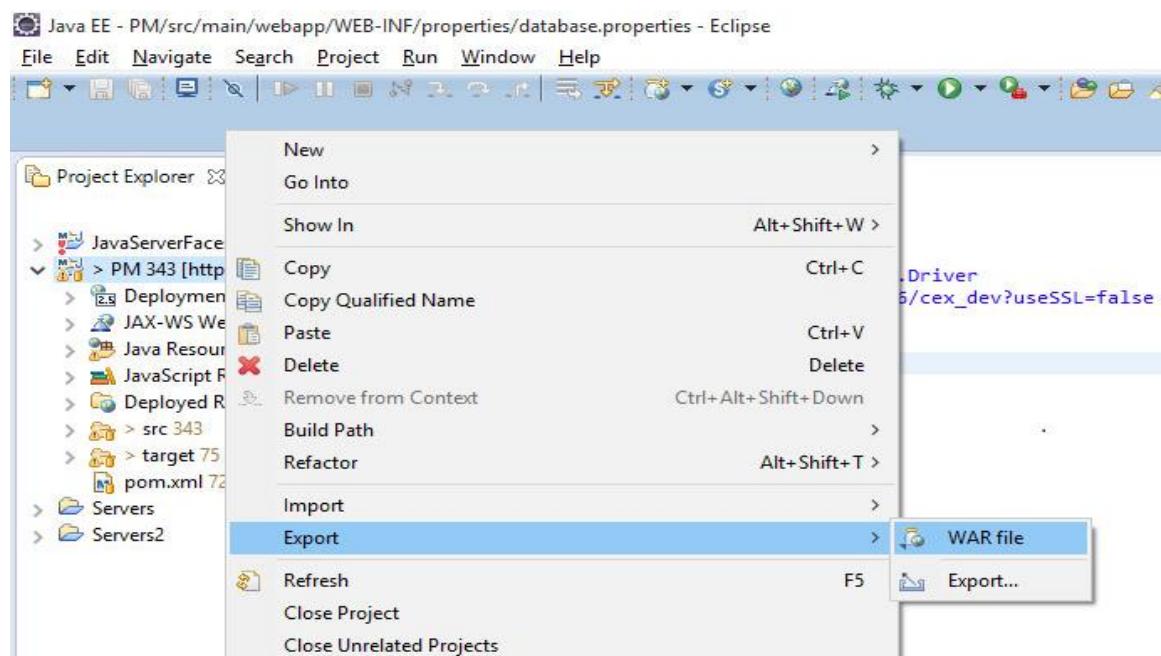
- For Client:
  - Web browser as Firefox, Chrome, Safari or alternatively.
- For Server:
  - Web server: AWS Elastic Beanstalk running Tomcat 8.0.41, Java 8
  - Database: Amazon RDS for MySQL 5.7

#### 6.1.2 Deployment Guide

Creating and deploying “Carrier Trading center” Web app on AWS Elastic Beanstalk

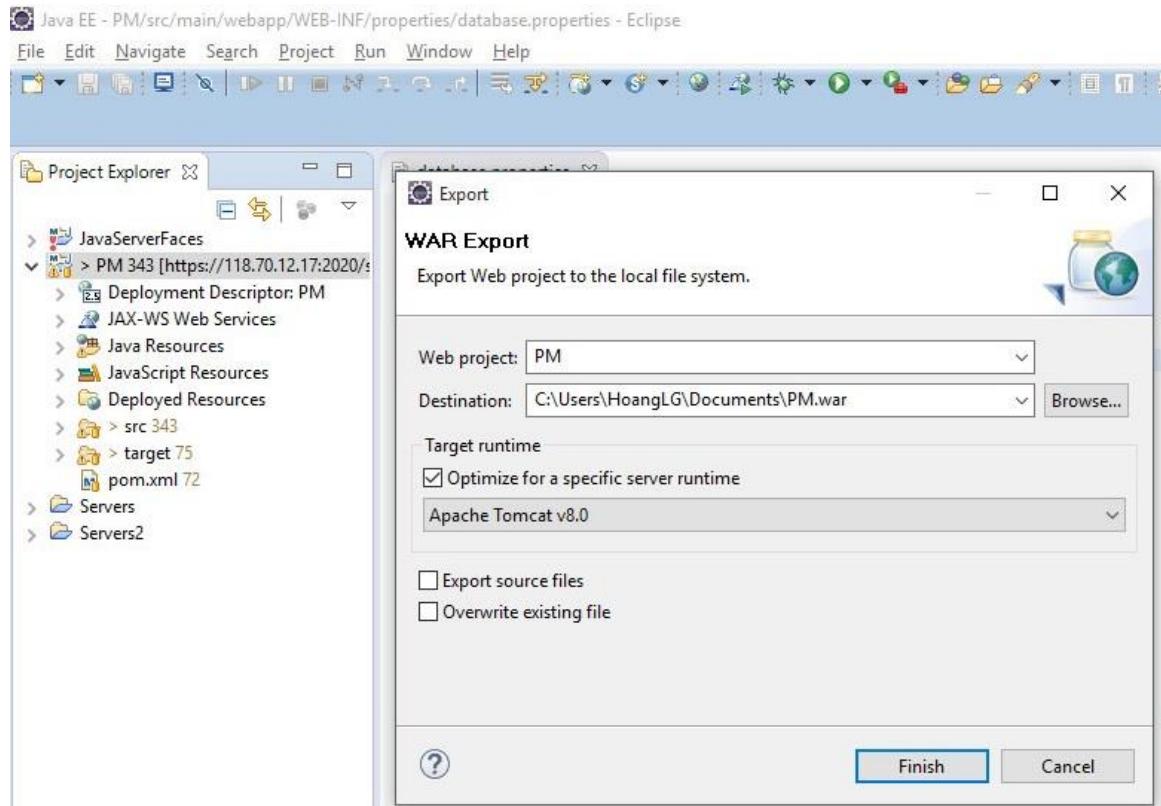
##### 6.1.2.1 Export WAR file from Eclipse

**Step 1:** Right click on a Web project folder and select Export from the pop-up menu. Then select WAR file.



**Step 2:** Specify the Web project you want to export, and specify a location for the new WAR file.

**Optional:** select Optimize for a specific server runtime, then click Finish.



#### 6.1.2.2 Creating an AWS Elastic Beanstalk Environment

**Step 1:** Open the [Elastic Beanstalk console](#).

**Step 2:** Choose an application or [create a new one](#).

**Step 3:** In the upper right corner, choose **Create New Environment** from the **Actions** menu.

All Applications

My First Elastic Beanstalk Application

Actions ▾

carriervn

Environment tier: Web Server  
Running versions: ROOT  
Last modified: 2017-03-28 02:35:49 UTC+0700  
URL: carriervn.ap-southeast-1.elasticbeanstalk.com

Create environment  
Restore terminated environment  
View application versions  
View saved configurations  
Delete application

**Step 4:** Choose Web Server as Tier, Tomcat as Preconfigured platform and choose Create environment.

**Optional:** you can upload WAR file in this step.

Application name My First Elastic Beanstalk Application

Tier Web Server (Choose tier)

Platform  Preconfigured platform  
Platforms published and maintained by AWS Elastic Beanstalk.  
Tomcat

Custom platform NEW  
Platforms created and owned by you. Learn more  
-- Choose a custom platform --

Application code  Sample application  
Get started right away with sample code.  
 Existing version  
Application versions that you have uploaded for My First Elastic Beanstalk Application.  
-- Choose a version --

Upload your code  
Upload a source bundle from your computer or copy one from Amazon S3.  
Upload ZIP or WAR

Cancel Configure more options Create environment

Go back to [Elastic Beanstalk console](#), you could see result in the picture below:

# All Applications

## My First Elastic Beanstalk Application

carriervn
<b>Environment tier:</b> Web Server
<b>Platform:</b> 64bit Amazon Linux 2016.09 v2.5.3 running Tomcat 8 Java 8
<b>Running versions:</b> ROOT
<b>Last modified:</b> 2017-03-28 02:35:49 UTC+0700
<b>URL:</b> carriervn.ap-southeast-1.elasticbeanstalk.com

### Step 5: Update time zone

1. Edit File /etc/sysconfig/clock as:

```
ZONE="Asia/Ho_Chi_Minh"
```

```
UTC=true
```

2. Running following command:

```
sudo ln -sf /usr/share/zoneinfo/Asia/Ho_Chi_Minh /etc/localtime
```

3. Reboot EC2 instance to take effect.

#### 6.1.2.3 Upload WAR file to AWS Elastic Beanstalk and config secure port

### Step 1: Open AWS Elastic Beanstalk Environment Management Console

Dashboard Overview Actions ▾ Refresh

Logs Health OK Causes Running Version ROOT Upload and Deploy Configuration 64bit Amazon Linux 2016.09 v2.5.3 running Tomcat 8 Java 8 Change

Recent Events Show All

Time	Type	Details
2017-03-28 03:01:12 UTC+0700	INFO	Environment health has transitioned from Degraded to Ok.
2017-03-28 03:00:12 UTC+0700	WARN	Environment health has transitioned from Ok to Degraded. 20.0 % of the requests are failing with HTTP 5xx.
2017-03-28 02:37:14 UTC+0700	INFO	Environment health has transitioned from Info to Ok. Application update completed 72 seconds ago and took 90 seconds.
2017-03-28 02:36:14 UTC+0700	INFO	Environment health has transitioned from Ok to Info. Application update in progress. 1 out of 1 instance completed (running for 72 seconds).

**Step 2:** Choose Upload and Deploy to deploy WAR file from Export WAR file from Eclipse.

#### 6.1.2.4 Create an RDS DB (Mysql) Instance

**Step 1:** Sign in to the AWS Management Console and open the Amazon RDS console at <https://console.aws.amazon.com/rds/>.

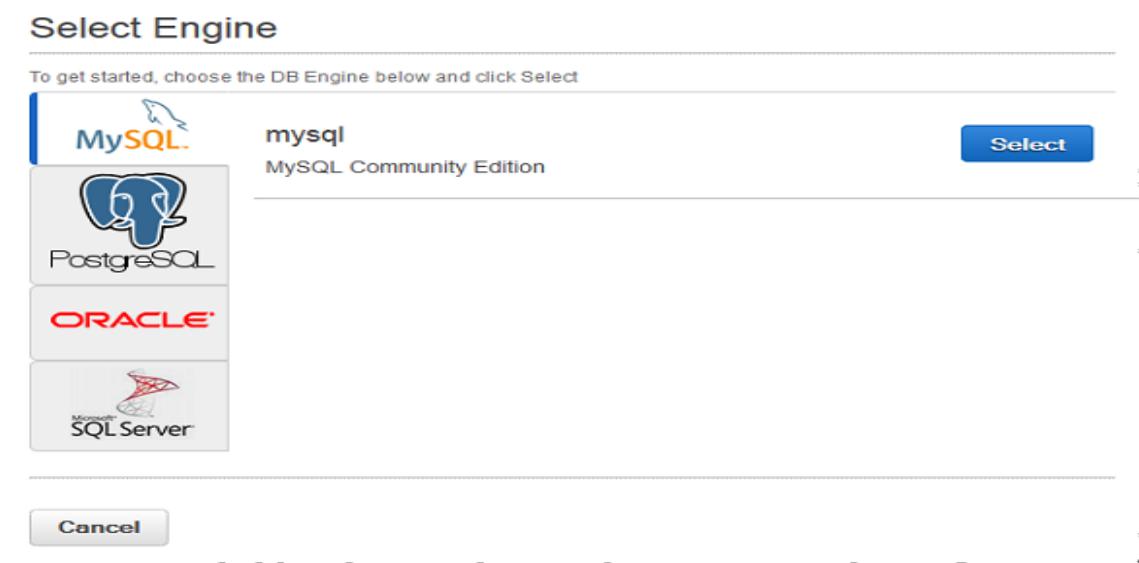
**Step 2:** In the top-right corner of the AWS Management Console, choose the region in which you want to create the DB instance. We use Singapore Region

**Step 3:** Choose Instances.

**Step 4:** Choose Launch DB Instance.

**Step 5:** On the **Select Engine** page, shown following, choose the MySQL DB engine, and then

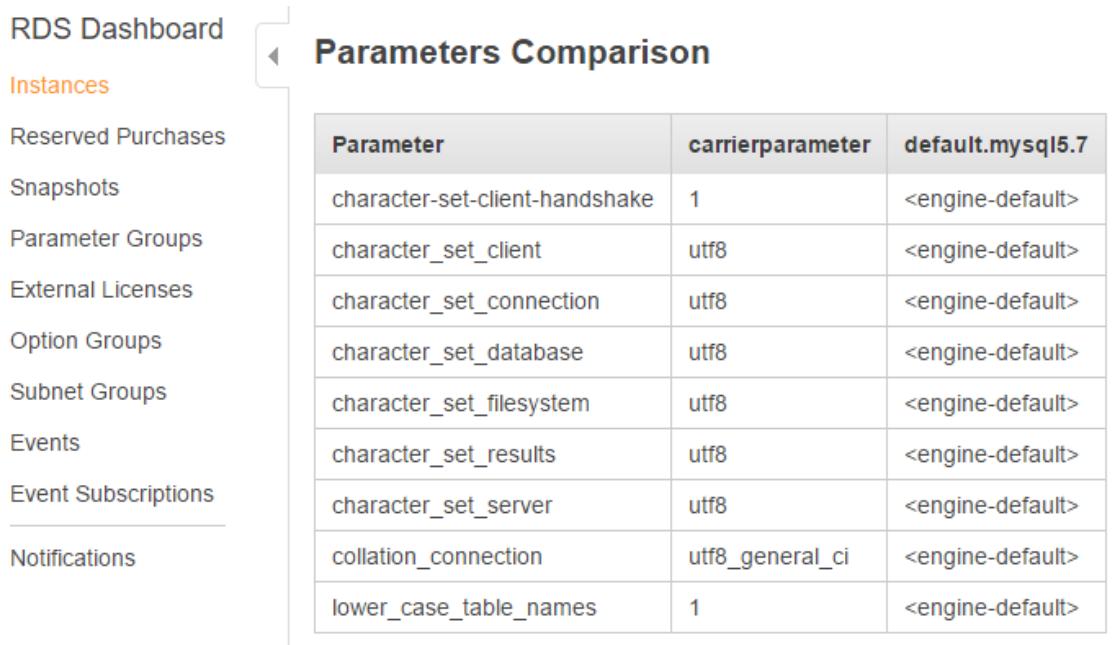
choose **Select**.



**Step 6:** On the **Specify DB Details** page, shown following, set these values:

- **DB Engine Version:** Use the default value.
- **DB Instance Class:** db.t2.micro
- **Multi-AZ Deployment:** No
- **Storage Type:** Magnetic
- **Allocated Storage:** 50 GB
- **DB Instance Identifier:** tutorial-db-instance
- **Master Username:** choose a username
- **Master Password:** Choose a password.
- **Confirm Password:** Retype the password.

**Step 7:** Configure parameter group as the image below:



The screenshot shows the AWS RDS Dashboard with the 'Instances' tab selected. On the left, a sidebar lists various RDS resources: Reserved Purchases, Snapshots, Parameter Groups, External Licenses, Option Groups, Subnet Groups, Events, Event Subscriptions, and Notifications. The 'Parameter Groups' item is highlighted. To the right, a 'Parameters Comparison' table is displayed with the following data:

Parameter	carrierparameter	default.mysql5.7
character-set-client-handshake	1	<engine-default>
character_set_client	utf8	<engine-default>
character_set_connection	utf8	<engine-default>
character_set_database	utf8	<engine-default>
character_set_filesystem	utf8	<engine-default>
character_set_results	utf8	<engine-default>
character_set_server	utf8	<engine-default>
collation_connection	utf8_general_ci	<engine-default>
lower_case_table_names	1	<engine-default>

**Step 8:** Config time zone as tutorial below:

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/set-time.html>

**Step 9:** Reboot Amazon RDS Instance.

#### 6.1.2.5 Configure SSL, domain name for AWS Elastic Beanstalk

To use a custom domain name: first, create a hosted zone for your domain. A hosted zone contains the name server and start of authority (SOA) records that specify the DNS hosts that will resolve requests for your domain name.

##### 6.1.2.5.1 Creating a hosted zone

**Step 1:** Sign in to the AWS Management Console and open the Amazon Route 53 console at <https://console.aws.amazon.com/route53/>.

Services ▾ Resource Groups ▾

Dashboard

Hosted zones

Health checks

Traffic flow

Traffic policies

Policy records

Domains

Registered domains

Pending requests

DNS management

Traffic management

Availability monitoring

Domain registration

1 Hosted zones

A visual tool that lets you easily create policies for multiple endpoints in complex configurations.

Create policy

Health checks monitor your applications and web resources, and direct DNS queries to healthy resources.

Create health check

A domain is the name, such as example.com, that your users type to access your application.

Register domain

Register domain

More info

Developer Guide

FAQs

Pricing

Forum - DNS and health

Alerts

**Step 2:** If you're new to Amazon Route 53, choose to **Get Started Now** under **DNS Management**.

If you're already using Amazon Route 53, choose **Hosted Zones** in the **navigation pane**.

Dashboard

**Hosted zones**

Health checks

Traffic flow

Traffic policies

Create Hosted Zone

Go to Record Sets

Delete Hosted Zone

Search all fields

All Types

Domain Name

Type

Record Set Count

Comment

carriertradingcenter.com.

Public 3

**Step 3:** Choose to **Create Hosted Zone**.

**Step 4:** In the **Create Hosted Zone** pane, enter a domain name and, optionally, a comment. For more information about a setting, pause the mouse pointer over its label to see a tool tip.

**Create Hosted Zone**

A hosted zone is a container that holds information about how you want to route traffic for a domain, such as example.com, and its subdomains.

**Domain Name:**

**Comment:**

**Type:** ▼

A public hosted zone determines how traffic is routed on the Internet.

**Create**

**Step 5:** Choose **Create**

**6.1.2.5.2 Change Z.com DNS Configuration to Amazon Route 53 as the DNS service**

**Step 1:** In the Amazon Route 53 console, get the name servers for your Amazon Route 53 hosted zone:

- a. Sign in to the AWS Management Console and open the Amazon Route 53 console at <https://console.aws.amazon.com/route53/>.
- b. In the navigation pane, click **Hosted Zones**.
- c. On the **Hosted Zones** page, choose the radio button (not the name) for the hosted zone.
- d. In the right pane, make note of the four servers listed for **Name Servers**.

The screenshot shows the AWS Route 53 console. On the left, a sidebar lists navigation options: Dashboard, Hosted zones (which is selected and highlighted in orange), Health checks, Traffic flow, Traffic policies, Policy records, Domains, Registered domains, and Pending requests. At the top, there are buttons for 'Create Hosted Zone', 'Go to Record Sets', and 'Delete Hosted Zone'. The main content area displays a table with one row for the domain 'carriertradingcenter.com.'. The table columns are 'Domain Name', 'Type', 'Record Set Count', 'Comment', and 'Hosted Zone ID'. The data row shows 'carriertradingcenter.com.' as the domain name, 'Public' as the type, '3' as the record set count, and 'Z2SUENLK1TRY77' as the Hosted Zone ID. To the right of the table, a 'Hosted Zone Details' panel is open, showing the domain name, type, Hosted Zone ID, Record Set Count (with a link), and a 'Comment' field. Below these, the 'Name Servers' section is listed with four entries: ns-329.awsdns-41.com, ns-908.awsdns-49.net, ns-1224.awsdns-25.org, and ns-1876.awsdns-42.co.uk. A note at the bottom of this panel states: '\* Before the Domain Name System will start to route traffic for this domain to Route 53, you must update your domain's name servers to use the servers listed here.'

**Step 2:** Replace the name servers in the registrar's NS records (z.com) with the four Amazon Route 53 name servers

The screenshot shows the Z.com domain management interface. At the top, there is a navigation bar with links for Web Hosting, WordPress, Cloud Hosting, Email Server, SSL, and Domain. Below the navigation bar, there is a search bar with the placeholder 'Find your own domain' and a 'Search for ...' button. The main content area has a sidebar with 'Domain' and 'Transfer' options. The main panel shows 'Domain & Contract information' and 'Name Server Settings'. The 'Name Server Settings' section is expanded, showing a 'Custom' tab selected (indicated by a red underline). Below the tab, there is a section for 'Custom Name Server' with four entries: ns-1224.awsdns-25.org, ns-908.awsdns-49.net, ns-329.awsdns-41.com, and ns-1876.awsdns-42.co.uk.

Next, add a record to the hosted zone that resolves your domain name to your environment.

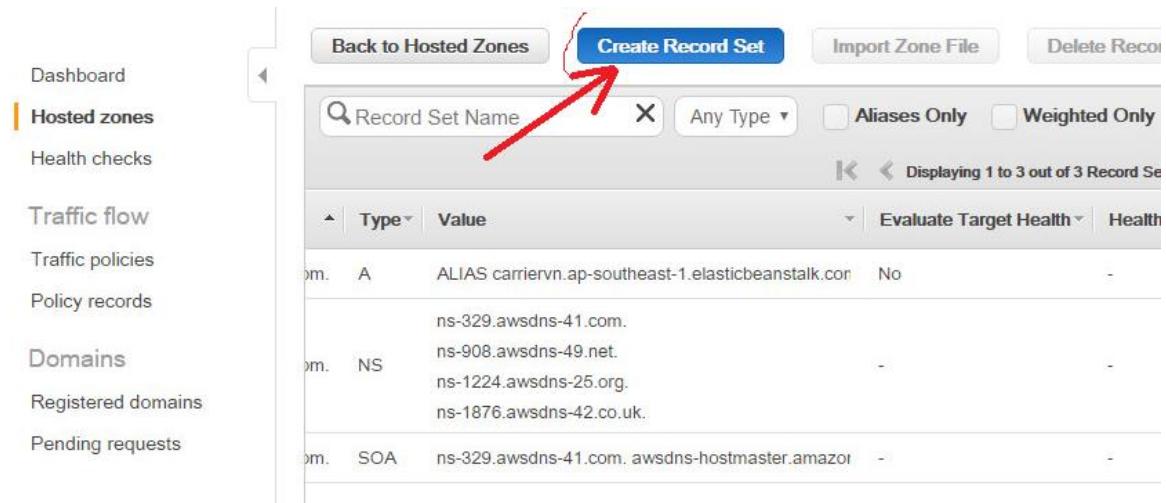
#### 6.1.2.5.3 Add an alias resource record set in Amazon Route 53

**Step 1:** Open the Amazon Route 53 console at <https://console.aws.amazon.com/route53/>.

**Step 2:** Select the hosted zone that you just created for your domain.

**Step 3:** Choose **Go to Record Sets**.

**Step 4:** Choose **Create Record Set**.



**Step 5:** For **Create Record Set**, do the following:

- a. Leave the default name, which is the name of your domain.
- b. For **Type**, select **A — IPv4 address**.
- c. For **Alias**, choose **Yes**. An alias enables Amazon Route 53 to associate your domain name with an AWS resource, such as a load balancer.
- d. Choose **Alias Target**. Select your load balancer from the list. The console adds the dual stack prefix.
- e. For **Routing Policy**, select **Simple**.
- f. Leave **Evaluate Target Health** set to **No**.
- g. Choose to **Create**.

**Edit Record Set**

**Name:** carriertradingcenter.com. 

**Type:** A – IPv4 address

**Alias:**  Yes  No

**Alias Target:** carriervn.ap-southeast-1.elasticbeanst

**Alias Hosted Zone ID:** Z16FZ9L249IFLT

You can also type the domain name for the resource. Examples:

- CloudFront distribution domain name: d111111abcdef8.cloudfront.net
- Elastic Beanstalk environment CNAME: example.elasticbeanstalk.com
- ELB load balancer DNS name: example-1.us-east-1.elb.amazonaws.com
- S3 website endpoint: s3-website.us-east-2.amazonaws.com
- Resource record set in this hosted zone: www.example.com

[Learn More](#)

**Routing Policy:** Simple

Route 53 responds to queries based only on the values in this record. [Learn More](#)

**Evaluate Target Health:**  Yes  No

**Save Record Set**

#### 6.1.2.5.4 Configure HTTPS for Elastic Beanstalk Environment

##### Step 1: Request a certificate

1. Log into your AWS Management Console. You'll find Certificate Manager under the Security & Identity section.

2. Click Request a certificate.

Enter your domain name or subdomain name.

# CTC\_FinalReport\_v1.0\_EN

## Request a certificate

Step 1: Add domain names

Step 2: Review and request

Step 3: Validation

You can use AWS Certificate Manager certificates only with Elastic Load Balancing. [Learn more](#).

Add domain names

Type the fully qualified domain name of the site you want to secure with an SSL/TLS certificate (for example, www.example.com). Use an asterisk (\*) to request a wildcard certificate to protect several sites in the same domain. For example: \*example.com protects www.example.com, site.example.com and images.example.com.

Domain name*	Remove
carriertradingcenter.com	X
*.carriertradingcenter.com	X

[Add another name to this certificate](#)

You can add additional names to this certificate. For example, if you're requesting a certificate for "www.example.com", you might want to add the name "example.com" so that customers can reach your site by either name. [Learn more](#).

\*At least one domain name is required

[Cancel](#) [Review and request](#)

Confirm and continue.

## Request a certificate

Step 1: Add domain names

Step 2: Review and request

Step 3: Validation

Review and request

After you request the certificate, email will be sent to the registered owner of each domain name below. The domain owner or an authorized representative can validate control of the domain and approve the certificate by following the instructions in the body of the email. After all of the domains are validated, the certificate will be issued.

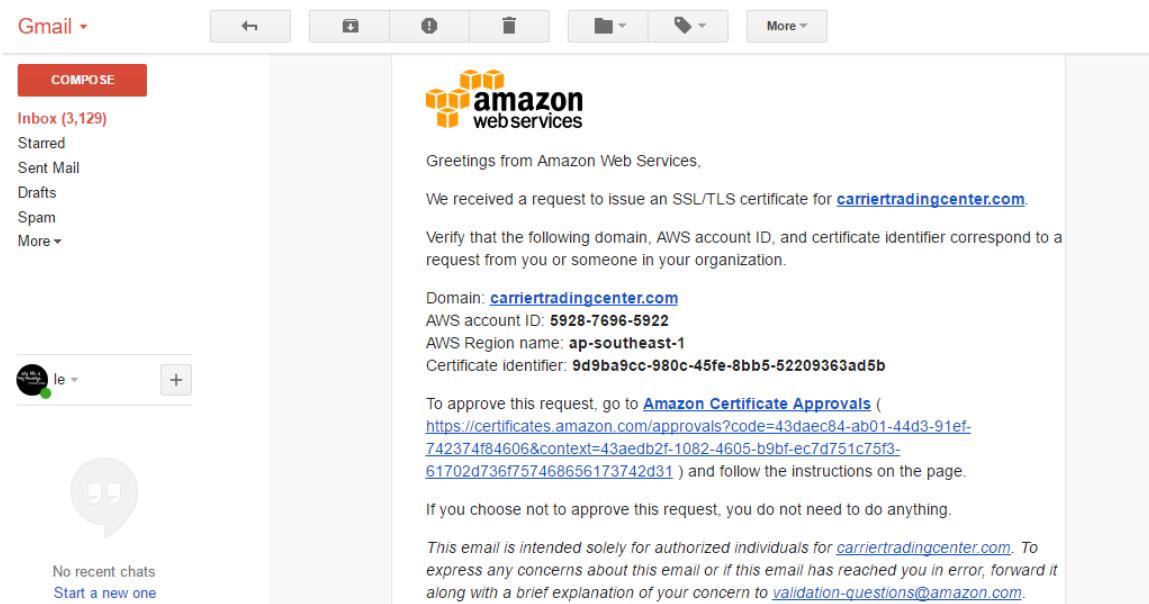
Domain name

The names you want to secure with an SSL/TLS certificate.

Domain name	carriertradingcenter.com
Additional name	*.carriertradingcenter.com

[Cancel](#) [Previous](#) [Confirm and request](#)

Check your email(admin@carriertradingcenter.com) — it may take several minutes — and approve the certificate request.



## Step 2: Assign a certificate to environment's load balancer

1. Open the [Elastic Beanstalk console](#).
2. Navigate to the [management page](#) for your environment.
3. Choose **Configuration**
4. In the Network Tier section, choose the gear icon next to **Load Balancing**.
5. In the secure listener port: choose 443 and Protocol choose HTTPS
6. In the **Load Balancer** section, choose your certificate from the **SSL certificate ID** to drop down menu.

### Load Balancer

The following settings let you control the behavior of your environment's load balancer. [Learn more](#).

Listener port:  The external facing HTTP port number to the load balancer.

Protocol:  The protocol used by the listener.

Secure listener port:  The external facing HTTPS port number to the load balancer.

Protocol:  The protocol used by the secure listener.

Cross-zone load balancing:  Enable load balancing across multiple Availability Zones.

SSL certificate ID:  [Refresh](#)

The Amazon Resource Name of the certificate to use for SSL.

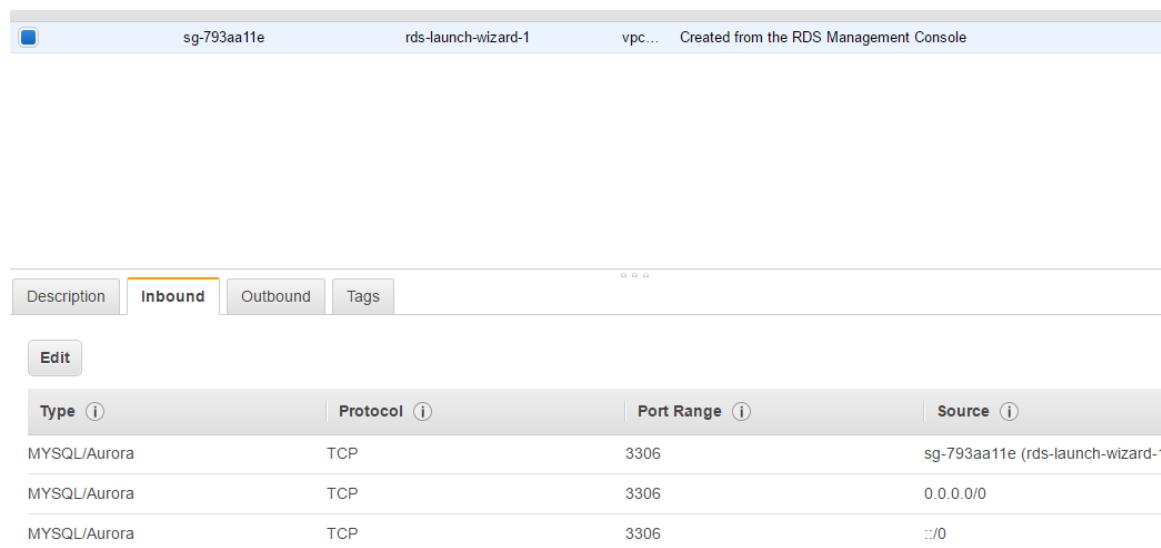
### 6.1.2.5 Configure Security Group, Reverse Proxy, Tomcat, connect web app in Elastic Beanstalk to Amazon RDS(Mysql)

#### Step 1: Security group for Elastic Beanstalk, Amazon RDS:

##### 1.Elastic Beanstalk

	sg-bb3b53dc	awseb-e-bpvq94ccp-stack-...	vpc...	SecurityGroup for ElasticBeanstalk environment.
<hr/>				
<a href="#">Edit</a>				
Type <a href="#">i</a>	Protocol <a href="#">i</a>	Port Range <a href="#">i</a>	Source <a href="#">i</a>	
HTTP	TCP	80	sg-1e3c5479 (awseb-e-bpvq94ccp-stack-... AWSEBLoadBalancerSecurityGroup- LKGTCNLKCKH)	
SSH	TCP	22	0.0.0.0/0	

##### 2.Amazon RDS



## Step 2: Setting reverse proxy

1. Open file and edit file `:/etc/httpd/conf.d/elasticbeanstalk/00_application.conf` with following line:

```
LoadModule rewrite_module modules/mod_rewrite.so
```

```
RewriteEngine on
```

```
RewriteCond %{HTTP:X-Forwarded-Proto} =http
```

```
RewriteRule ^ https:// %{HTTP_HOST} %{REQUEST_URI} [L,R=301]
```

```

1 # Elastic Beanstalk Managed
2 <VirtualHost *:80>
3 LoadModule rewrite_module modules/mod_rewrite.so
4 RewriteEngine on
5 RewriteCond %{HTTP:X-Forwarded-Proto} =http
6 RewriteRule ^ https:// %{HTTP_HOST} %{REQUEST_URI} [L,R=301]
7 <Proxy *>
8   Order Allow,Deny
9   Allow from all
10 </Proxy>
11 ProxyPass / http://localhost:8080/ retry=0
12 ProxyPassReverse / http://localhost:8080/
13 ProxyPreserveHost on
14
15 ErrorLog /var/log/httpd/elasticbeanstalk-error_log
16 </VirtualHost>
17

```

### Step 3: Setting tomcat

Add the following line to /etc/tomcat8/server.xml :

```
<Context path="/CEX" docBase="ROOT/">  
<WatchedResource>WEB-INF/web.xml</WatchedResource>  
</Context>
```

```
<Host name="localhost" appBase="webapps">  
    unpackWARs="true" autoDeploy="true">  
    ↓  
    <!-- SingleSignOn valve, share authentication between web applications  
        Documentation at: /docs/config/valve.html -->  
    |<Context path="/CEX" docBase="ROOT/">  
    |<WatchedResource>WEB-INF/web.xml</WatchedResource>  
    |</Context>  
    |<!--  
    |<Valve className="org.apache.catalina.authenticator.SingleSignOn" />  
    |-->  
    ↓
```

**Step 4:** Edit file /usr/share/tomcat8/webapps/ROOT/WEB-INF/properties/database.properties in the web apps with following content:

```
jdbc.driverClassName=com.mysql.jdbc.Driver  
jdbc.url=jdbc:mysql://172.31.0.103:3306/cex_dev?useSSL=false  
jdbc.username=root  
jdbc.password=rootroot
```

```
4 jdbc.driverClassName=com.mysql.jdbc.Driver  
5 jdbc.url=jdbc:mysql://172.31.0.103:3306/cex_dev?useSSL=false  
6 jdbc.username=root  
7 jdbc.password=rootroot
```

**Step 4:** Create Elastic beanstalk share folder that allow web app save file to it:

1. Connect Elastic beanstalk via putty and run following command:

```
3 sudo chown tomcat:tomcat /etc/tomcat8/tomcat-users.xml
4 sudo chown -R tomcat:tomcat /home/root/
```

## 6.2 User's guide

### 6.2.1 Guest

#### 6.2.1.1 Register Account

Typically for using <https://carriertradingcenter.com/> guest will register as Goods Owner or Carrier as who they really are.

Follow these steps to register:

**Step 1:** Go to home page <https://carriertradingcenter.com/> then click “Đăng ký” at top rightmost corner, Guest will be redirected to Register page



**Step 2:** Enter require information and click “Đăng Kí” at the bottom of the page.

ire | <https://carriertradingcenter.com/CEX/xhtml/Users/RegisterUsers.xhtml>

CarrierTradingCenter@Gmail.com

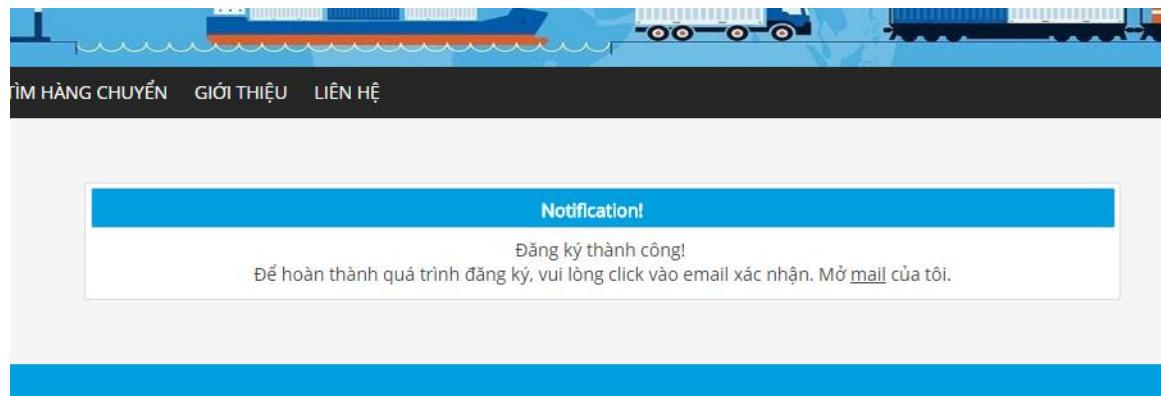
TÌM HÀNG CHUYỂN GIỚI THIỆU LIÊN HỆ

**Đăng Ký**

Tên đầy đủ:	<input type="text" value="* Họ và tên"/>
Địa chỉ Email:	<input type="text" value="* Email"/>
Số điện thoại:	<input type="text" value="* Số điện thoại"/>
Địa chỉ:	<input type="text" value="* Địa chỉ"/>
Tỉnh/Thành phố:	--Chọn--
Quận/Huyện: *	--Chọn--
Chứng minh thư:	<input type="text" value="* Số chứng minh thư"/>
Nơi cấp:	<input type="text" value="* Nơi cấp"/>
Ngày cấp:	<input type="text" value="* Ngày cấp"/> <input type="button" value=""/>
Ảnh chứng minh thư:	<input type="button" value="+ Chọn ảnh"/>
Mật khẩu:	<input type="text" value="* Mật khẩu"/>
Mật khẩu phải có từ 6 đến 20 ký tự, có ít nhất 1 chữ số, 1 chữ cái viết hoa và một trong các ký tự ?, !, #, @, *, %).	
Xác nhận mật khẩu:	<input type="text" value="* Xác nhận mật khẩu"/>
Loại người dùng:	<input type="radio"/> Chủ hàng <input type="radio"/> Chủ xe
<input type="button" value="Đăng Ký"/>	

A red arrow points to the "Đăng Ký" button, and a red circle highlights the "Chủ xe" radio button.

**Step 3:** Confirmation emails



**Step 4:** Go to your mailbox, you will see something like this:

Chào mừng đến với Sàn Giao Dịch Vận Tải Inbox Print Email

carriertradingcenter@gmail.com to me 2:03 PM (0 minutes ago) Star Forward Reply

Vietnamese English Translate message Turn off for: Vietnamese

Chào bạn hoanglse03200!

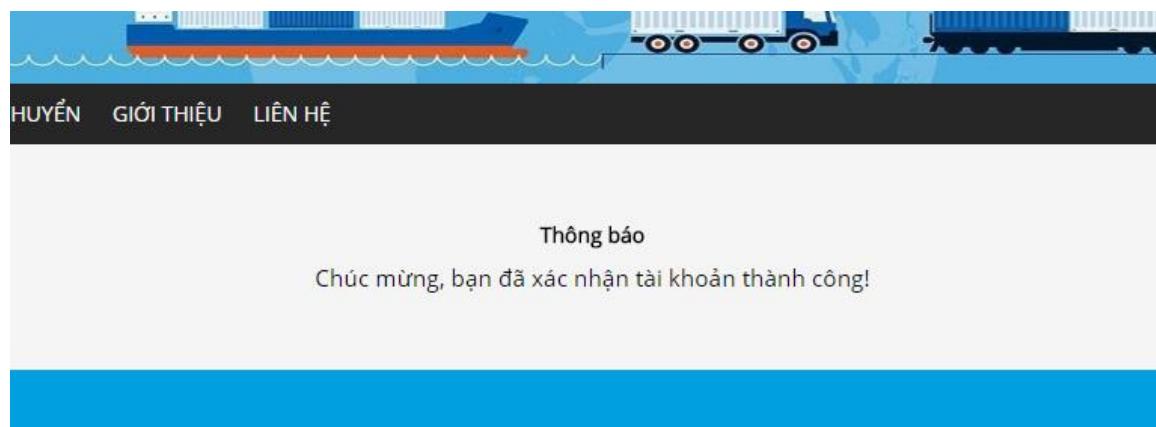
Đây là email tự động được gửi từ website: <http://carriertradingcenter.com>  
Bạn vừa sử dụng địa chỉ mail [hoanglse03200@fpt.edu.vn](mailto:hoanglse03200@fpt.edu.vn) để đăng ký trên <http://carriertradingcenter.com>,  
với thông tin đăng nhập như sau:  
Loại tài khoản: Chủ hàng  
Địa chỉ email: [hoanglse03200@fpt.edu.vn](mailto:hoanglse03200@fpt.edu.vn)  
Số điện thoại: 0976838383  
Vui lòng click vào link dưới đây để kích hoạt tài khoản.

**KÍCH HOẠT TÀI KHOẢN**

Sàn giao dịch vận tải trân trọng cảm ơn sự quan tâm của Quý khách tới hoạt động và dịch vụ của Sàn giao dịch vận tải.  
Mọi ý kiến thắc mắc xin liên hệ  
Sàn giao dịch vận tải - <http://carriertradingcenter.com>  
Hotline: (+84)-1669-775-349

Trân trọng.  
Sàn Giao Dịch Vận Tải.

**Step 5:** Click on “KÍCH HOẠT TÀI KHOẢN” in new page to active your account:



#### 6.2.1.2 View fee list

To view fee list, Goods Owner click on “BÁO GIÁ” in navigation bar, then click “HỆ THỐNG” as image below

STT	Chi Phí	Mã	Giá	Mô Tả
1	Tiền cọc đăng vận đơn	C001	10.0 (%)	Tiền cọc khi chủ hàng đăng vận đơn. Tính theo 10% giá trấn.
2	Tiền cọc đặt thầu	C002	10.0 (%)	Tiền cọc khi chủ xe đặt thầu vận đơn. Tính theo 10% tiền đặt thầu.
3	Phí đăng vận đơn	F001	10,000(VND)	Phí khi chủ hàng đăng vận đơn.
4	Phí đấu thầu	F002	10,000(VND)	Phí khi chủ xe đấu thầu vận đơn.

#### 6.2.1.3 View reference fee

To view Reference fee, Guest click on “BÁO GIÁ” in navigation bar then click “THAM CHIẾU” as image below

STT	Loại hàng	Khối lượng	Quãng đường	Giá tham chiếu (VND)
1	Bàn-ghế-giường-tủ	100 (kg)	10 (km)	10,000
2	Đồ uống	100 (kg)	10 (km)	10,000
3	Động vật	100 (kg)	10 (km)	10,000
4	Hàng điện tử	100 (kg)	10 (km)	10,000
5	Hóa chất	100 (kg)	10 (km)	10,000
6	Hoa quả	100 (kg)	10 (km)	10,000
7	Kim loại - nguyên liệu	100 (kg)	10 (km)	10,000
8	Máy móc - cơ khí	100 (kg)	10 (km)	10,000
9	Sức khỏe - làm đẹp	100 (kg)	10 (km)	10,000

#### 6.2.1.4 Bill of lading

##### 6.2.1.4.1 View bill of lading list

Guest can quickly access bill of lading list whenever they are on any specific page of <https://carriertradingcenter.com/> by click “Giao Dịch Của Tôi” in Navigation Bar

#### 6.2.1.4.2 Search bill of lading

If Guest want to find Bill of lading that created by other Users in <https://carriertradingcenter.com/> they can search them by click “TÌM HÀNG CHUYỂN” in Navigation Bar

In the top of “TÌM HÀNG CHUYỂN” page, Guest can set filter condition and then click Search to find concise Bill of Lading that they want.

## 6.2.2 Goods Owner

### 6.2.2.1 Bill of lading list

#### 6.2.2.1.1 View bill of lading list

Goods Owner can quickly access bill of lading list whenever they are on any specific page of <https://carriertradingcenter.com/> by click “Giao Dịch Của Tôi” in Navigation Bar

TÌM KIẾM

RANG CHỦ
BÁO GIÁ
TÌM HÀNG CHUYỂN
GIAO DỊCH CỦA TÔI
TẠO VẬN ĐƠN
BÁO CÁO CỦA TÔI
GIỚI THIỆU
LIÊN HỆ

Loại hàng
--lựa chọn--

Hình thức đóng gói
--lựa chọn--

Địa điểm đi
--lựa chọn--
Địa điểm đến
--lựa chọn--

Khối lượng <
(kg)
Thể tích <
(m<sup>3</sup>)

Thời gian đi

Thời gian đến

Tìm kiếm
TÌM KIẾM

### 6.2.2.1.2 View bill of lading detail

In bill of lading list screen Goods Owner can only see just few information about bill of lading, to get more information Goods Owner can click on Image at rightmost of item in the bill of lading list to go to Bill of Lading Detail page

1		Hóa chất	Thùng gỗ	Hà Đông, Hà Nội - Nông Công, Thanh Hóa 2017-04-13 08:04:02.0 - 2017-04-16 08:04:02.0	Hết giờ	150.000 (VNĐ)	Chủ hàng hủy giao dịch	
2		Hàng điện tử	Container	Phan Thiết, Bình Thuận - Phước Long, Bình Phước 2017-04-13 08:28:09.0 - 2017-04-15 08:28:09.0	Hết giờ	100 (VNĐ)	Đã giá thành công	
3		Thể thao	Bưu kiện	Ngã Sơn, Thanh Hóa - Mèo Vạc, Hà Giang 2017-04-13 14:58:26.0 - 2017-04-14 14:58:26.0	Hết giờ	600.000 (VNĐ)	Chủ hàng hủy giao dịch	
4		Động vật	Container	Tây Sơn, Bình Định - Thạch An, Cao Bằng 2017-04-13 15:07:49.0 - 2017-04-17 15:07:49.0	Hết giờ	700 (VNĐ)	Đã giá thất bại	
5		Kim loại - nguyên liệu	Chai - lọ - thùng chứa	Tây Sơn, Bình Định - Thạch An, Cao Bằng 2017-04-13 15:12:54.0 - 2017-04-15 15:12:54.0	Hết giờ	60.000 (VNĐ)	Đã giá thất bại	

Then it Goods Owner will be redirected to Bill Of Lading Detail page

THÔNG TIN HÀNG HÓA CẦN VẬN CHUYỂN	
Khởi hành:	Phan Thiết, Bình Thuận
Đích đến:	Phước Long, Bình Phước
Mã vận đơn	tam ba hai
Người gửi:	h
Điện thoại người gửi:	0936473846
Ngày đăng:	13.04.2017 08:29:10
Hạn gửi hàng:	13.04.2017 08:28:09
Đặc điểm nơi gửi:	
Người nhận:	g
Điện thoại người nhận:	0987432342
Hạn nhận hàng:	15.04.2017 08:28:09
Đặc điểm nơi nhận:	
Loại hàng:	Hàng điện tử
Cách đóng gói:	Container
Khối lượng (kg):	1.0
Số lượng:	1
Kích thước (m):	1.0 x 1.0 x 1.0

### 6.2.2.1.3 Search bill of lading

If Goods Owner want to find Bill of lading that created by other Goods Owner in <https://carriertradingcenter.com/> they can search them by click “TÌM HÀNG CHUYỀN” in Navigation Bar

In the top of “TÌM HÀNG CHUYỀN” page, Goods Owner can set filter condition and then click Search to find concise Bill of Lading that they want.

### 6.2.2.1.4 View carrier auction success

When the auction meets a deadline it can be a success or not.

Goods owner can see auction status by go to Bill of lading detail

**Step 1:** Go to “GIAO DỊCH CỦA TÔI” page via Item’s in Navigation Bar

**Step 2:** Click on image under “XEM” column corresponding with each Auction to view detail

RẠNG CHỦ	BÁO GIÁ	TÌM HÀNG CHUYỂN	GIAO DỊCH CỦA TÔI	TẠO VẬN ĐƠN	BÁO CÁO CỦA TÔI	GIỚI THIỆU	LIÊN HỆ
Đích đến: Phước Long, Bình Phước							
Mã vận đơn	tam ba hai						
Người gửi:	h						
Điện thoại người gửi:	0936473846						
Ngày đăng:	13.04.2017 08:29:10						
Hạn gửi hàng:	13.04.2017 08:28:09						
Địa điểm gửi:							
Người nhận:	g						
Điện thoại người nhận:	0987432342						
Hạn nhận hàng:	15.04.2017 08:28:09						
Địa điểm nhận:							
Loại hàng:	Hàng điện tử						
Cách đóng gói:	Container						
Khối lượng (kg):	1.0						
Số lượng:	1						
Kích thước (m):	1.0 x 1.0 x 1.0						
Ghi chú:							
Hạn đấu thầu:	13.04.2017 08:31:09						
Giá tham chiếu (VND):	100						
Trạng thái:	ĐẦU THẦU THÀNH CÔNG						
<b>HỦY GIAO DỊCH</b>							

Map data ©2017 Google | Terms of Use | Report a map error

THÔNG TIN NHÀ THẦU

**Step 3:** In leftmost and bottom of the page, Goods Owner will see information about Carrier who auction success.

Cách đóng gói:	Container		
Khối lượng (kg):	1.0		
Số lượng:	1		
Kích thước (m):	1.0 x 1.0 x 1.0		
Ghi chú:			
Hạn đấu thầu:	13.04.2017 08:31:09		
Giá tham chiếu (VND):	100		
Trạng thái:	ĐẦU THẦU THÀNH CÔNG		
<b>HỦY GIAO DỊCH</b>			

Map data ©2017 Google | Terms of Use | Report a map error

THÔNG TIN NHÀ THẦU

Tên nhà thầu:	Em GiangMM
Email:	legiaohang94@gmail.com
Số điện thoại:	0987654321
Giá đấu thầu (VND)	80

#### 6.2.2.1.5 Confirm complete transaction

After knowing that goods have been sent to the destination, Goods owner has to confirm this thing.

**Step 1:** Go to Detail Auction page

Ghi chú:	
Hạn đấu thầu:	13.04.2017 08:31:09
Giá tham chiếu (VND):	100
Trạng thái:	ĐẤU THẦU THÀNH CÔNG
<b>HỦY GIAO DỊCH</b>	



**THÔNG TIN NHÀ THẦU**

Tên nhà thầu:	Em GiangMM
Email:	legiahoang94@gmail.com
Số điện thoại:	0987654321
Giá đấu thầu (VND):	80

ĐÃ NHẬN HÀNG

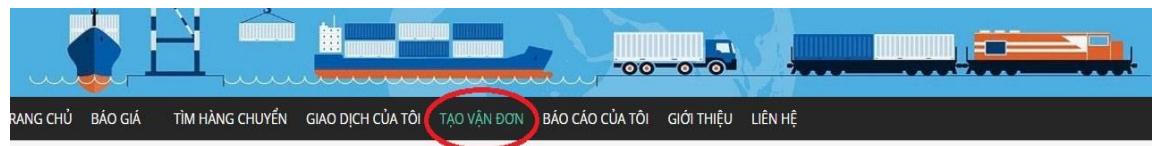
**HỎI ĐÁP (0)**

**Step 2:** Click on “ĐÃ NHẬN HÀNG” button to confirm that you Auction have been completed

#### 6.2.2.1.6 Register a new bill of lading

The main function that distinguishes Goods Owner and Carrier is who create can create a new Bill of Lading. Goods Owner can create Bill of Lading by following steps:

Step 1: Go to “TẠO VẬN ĐƠN” page: by click “TẠO VẬN ĐƠN” in the navigation bar.



**ĐĂNG HÀNG CẨM CHUYỂN**

**1 TỔNG QUAN**

Mã vận đơn	
Loại hàng (*):	Hình thức đóng gói (*):
--lựa chọn--	--lựa chọn--

**2 THÔNG TIN LIÊN HỆ**



**Step 2:** It's up to you to input information in the optional field but you have to input all require field.

**Step 3:** Then click “Đăng ký” in bottom of the page

Hình ảnh:

Mô tả

**5 THÔNG TIN ĐẦU GIÁ**

Giá đề xuất (\*) (VNĐ): 

Thời gian kết thúc đấu giá (\*):

Bạn có thể tham chiếu giá cước vận tải thương mại hàng tại đây!

#### 6.2.2.1.7 Cancel bill of lading

If auction is incomplete Goods Owner are able to cancel Auction buy click “HỦY GIAO DỊCH” on Bill of lading detail page:

Loại hàng:	Đồ uống
Cách đóng gói:	Chai - lọ - thùng chứa
Khối lượng (kg):	1.0
Số lượng:	1
Kích thước (m):	1.0 x 1.0 x 1.0
Ghi chú:	
Hạn đấu thầu:	17.04.2017 07:00:09
Giá tham chiếu (VNĐ):	150
Trạng thái:	ĐẤU THẦU THÀNH CÔNG
<b>HỦY GIAO DỊCH</b>	

**THÔNG TIN NHÀ THẦU**

Tên nhà thầu:	Em GiangMM
Email:	legiahoang94@gmail.com
Số điện thoại:	0987654321

#### 6.2.2.2 Manage Profile

##### 6.2.2.2.1 View profile

To view profile, Goods Owner hover mouse over Goods Owner name in top-right corner and click “Thông tin cá nhân”, after that Goods Owner will be redirected to page with title “Thông tin người dùng”

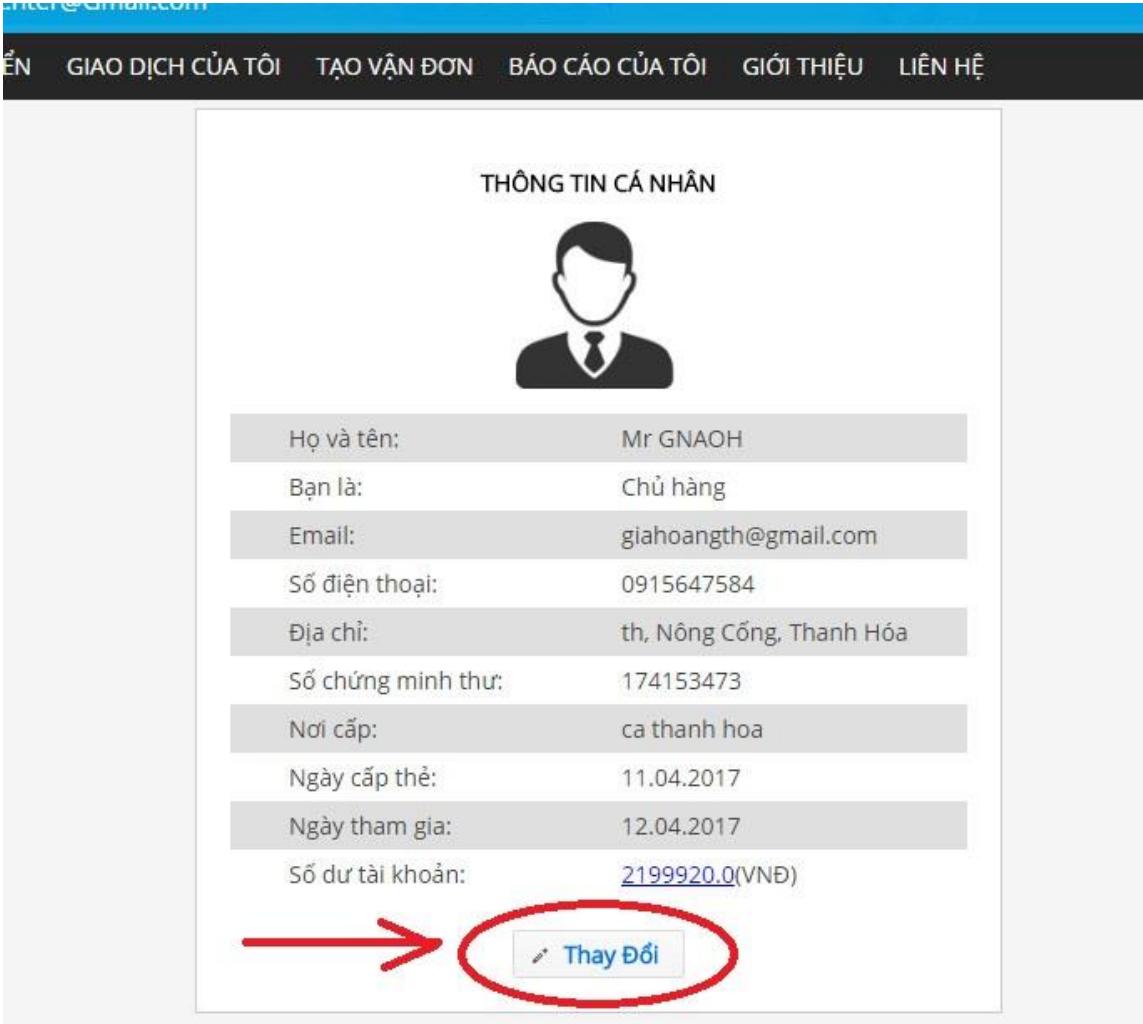


#### 6.2.2.2.2 Edit profile

**Step 1:** Go to “Thông tin cá nhân” page by hover mouse over the name of Goods Owner in top-rightmost of the page.



**Step 2:** In the “Thông tin người dùng” click “Thay đổi”. New pop-up will be show



THÔNG TIN CÁ NHÂN

Họ và tên: Mr GNAOH

Bạn là: Chủ hàng

Email: giahoangth@gmail.com

Số điện thoại: 0915647584

Địa chỉ: th, Nông Cống, Thanh Hóa

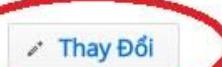
Số chứng minh thư: 174153473

Nơi cấp: ca thanh hoa

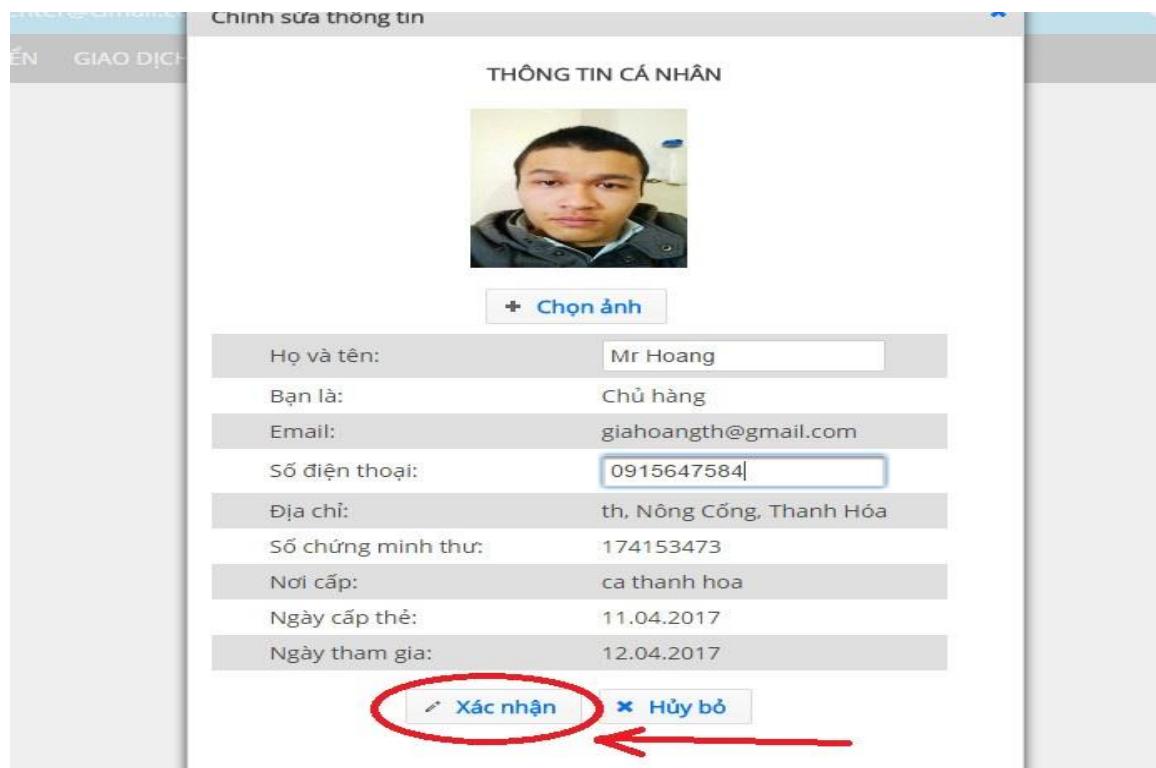
Ngày cấp thẻ: 11.04.2017

Ngày tham gia: 12.04.2017

Số dư tài khoản: 2199920.0(VND)

  Thay đổi

**Step 3:** Edit the information that you want to change and then click “Xác nhận”



#### 6.2.2.2.3 Change password

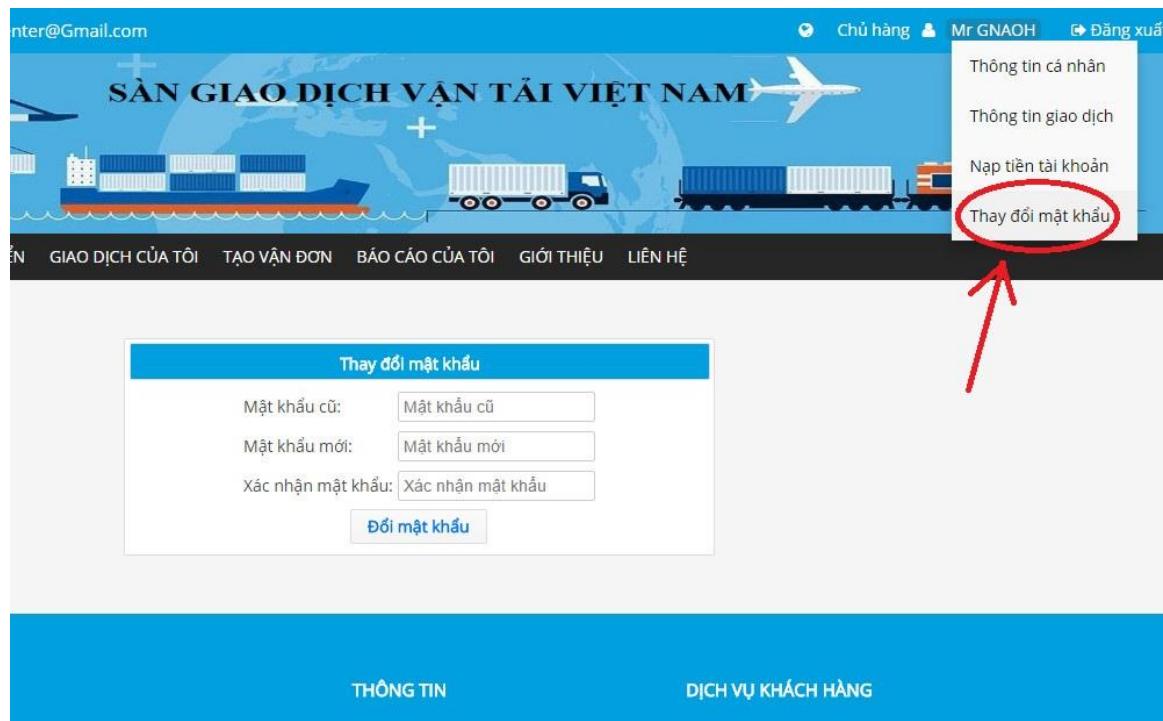
A *Strong Password* is defined as a password that is reasonably difficult to guess in a short period of time either through human guessing or the use of specialized software.

A Strong password should:

- Be at least 6 characters in length
- Contain both upper and lowercase alphabetic characters (e.g. A-Z, a-z)
- Have at least one numerical character (e.g. 0-9)
- Have at least one special character (e.g. ~!@#\$%^&\*()\_-+=)

To change any user's password you must specify a *Strong Password*

Step 1: Hover mouse over Goods Owner name in the top-right corner and select “Thay đổi mật khẩu” to go to “Thay đổi mật khẩu” page.



**Step 2:** Input your old password and a new *Strong Password*

**Step 3:** Click “Đổi mật khẩu” to save the new *Strong Password*

#### 6.2.2.2.4 Add company

**Step 1:** Go to “Thông tin cá nhân” page by hover mouse over the name of Goods Owner in top-right of the page.



**Step 2:** Click “Thêm mới” under “THÔNG TIN CÔNG TY” section.

Email: hoanglgse03200@fpt.edu.vn  
Số điện thoại: 09795823652  
Địa chỉ: Thôn 9 - Xóm Mới, Thạch Thất, Hà Nội  
Số chứng minh thư: 018369852  
Nơi cấp: CA Hà Nội  
Ngày cấp thẻ: 01.04.2010  
Ngày tham gia: 21.04.2017  
Số dư tài khoản: 1564700.0(VND)

Thay đổi

THÔNG TIN CÔNG TY

Thêm mới

**Step 3:** Enter company information then click “Xác nhận”

Email: hoanglgse03200@fpt.edu.vn

Thêm thông tin công ty

THÔNG TIN CÔNG TY

Tên công ty:

Email:

Số điện thoại:

Fax:

Địa chỉ:

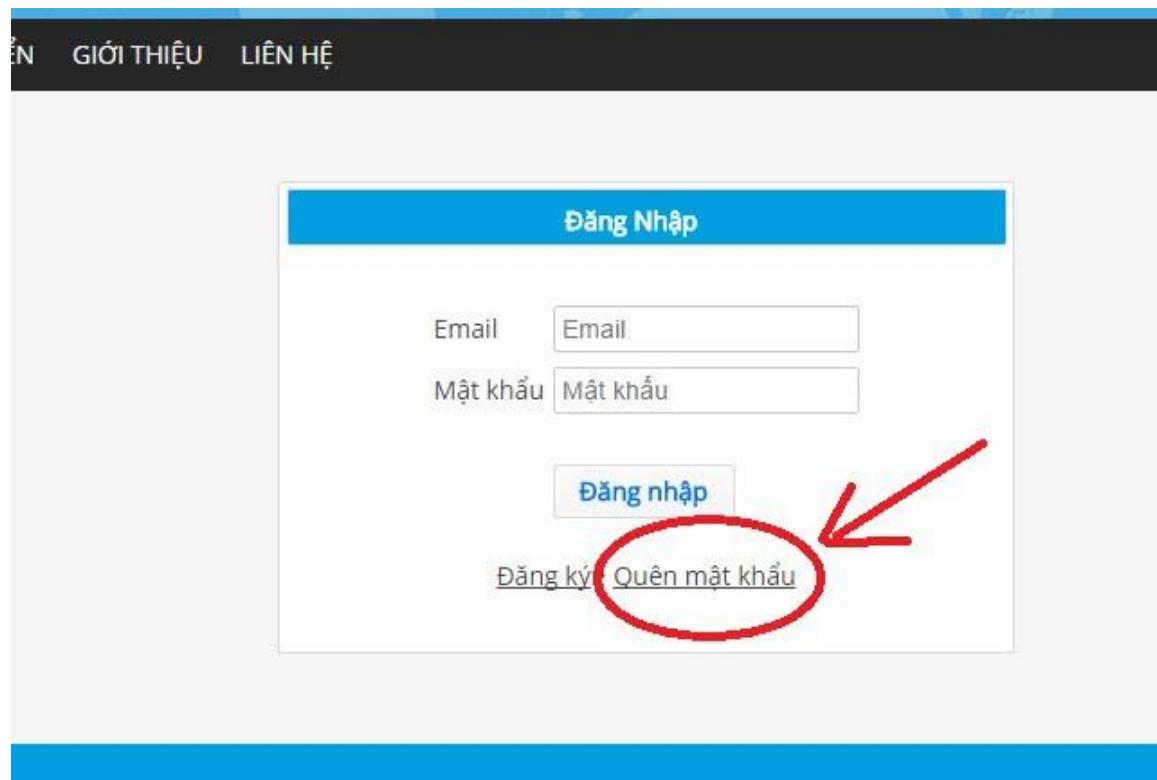
Mã số thuế:

Xác nhận

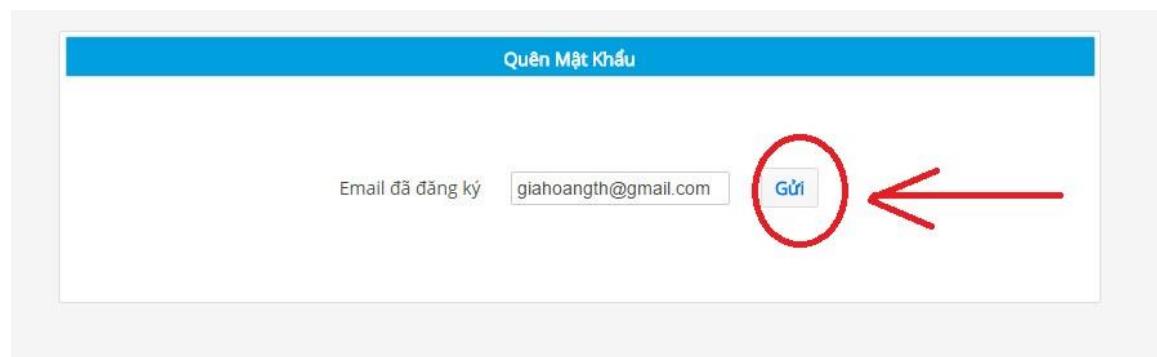
Hủy bỏ

#### 6.2.2.2.5 Forget password

**Step 1:** To be able to reset your Password, go to the “Đăng nhập” page and click “Quên mật khẩu” under the Login form



**Step 2:** Enter your email address, then click “Gửi”



**Step 3:** Open your mailbox to get temporary password

carriertradingcenter@gmail.com to me 4:25 PM (0 minutes ago) ☆

Vietnamese ▼ English ▼ Translate message Turn off for: Vietnamese ×

Chào bạn Mr GNAOH!

Đây là email tự động được gửi từ website: <http://carriertradingcenter.com>

Mật khẩu mới của bạn là: [REDACTED]  
Hãy click vào link dưới đây để thay đổi mật khẩu của mình:

<http://carriertradingcenter.com/changepassword>

Cảm ơn bạn đã quan tâm tới dịch vụ của chúng tôi!

Sàn Giao Dịch Vận Tải.

Click here to [Reply](#) or [Forward](#)

**Step 4:** Open the link

<https://carriertradingcenter.com/CEX/faces/xhtml/Users/ResetPasswod.xhtml> and enter the information to change to new *Strong Password*

Pay attention to: “Mật khẩu cũ” already provided within your email.

#### 6.2.2.3 Report

##### 6.2.2.3.1 View report list

Goods Owner can see a list of reports when going to “Báo cáo của tôi” page by click “BÁO CÁO CỦA TÔI” in the navigation bar.



##### 6.2.2.3.2 Send report

Step 1: Go to page “Báo cáo của tôi” by click “BÁO CÁO CỦA TÔI” in navigation bar



Step 2: Click “Tạo báo cáo mới”

STT	Tiêu đề báo cáo	Thời gian gửi	Phản hồi	Hủy bỏ
1	chu hàng tao bao	2017-04-13 10:18:12.0	Có phản hồi	
2	tao moi	2017-04-18 14:00:29.0	Chưa có phản hồi	

Step 3: Enter the information into the form, then click “Gửi báo cáo”

## 6.2.2.3.3 Cancel Report

Step 1: Open report list screen by click on “BÁO CÁO CỦA TÔI” in the navigation bar.



Step 2: Click “Recycle bin” Icon at right-most of report line to cancel it.

	Thời gian gửi	Phản hồi	Hủy bỏ
	2017-04-09 08:54:34.0	Có phản hồi	
	2017-04-15 11:00:55.0	Có phản hồi	
	2017-04-16 15:41:16.0	Có phản hồi	
<a href="#">o nhiêu?</a>	2017-04-16 15:42:41.0	Có phản hồi	
<a href="#">tin</a>	2017-04-16 15:43:46.0	Có phản hồi	
<a href="#">đầu</a>	2017-04-16 15:45:13.0	Chưa có phản hồi	
<a href="#">rước</a>	2017-04-16 15:46:33.0	Có phản hồi	

Hiển thị 1 đến 7 trong số 7 bản ghi

1 10

## 6.2.2.3.4 Search report

In the page “Báo cáo của tôi”, Goods Owner can search report by entering information as “Tiêu đề báo cáo” or “từ ngày”, then click “Tìm kiếm” to find report

BÁO CÁO CỦA TÔI

Hỗ trợ tìm kiếm

Tiêu đề báo cáo  Từ khóa  Từ ngày  Chọn ngày bắt đầu  Đến ngày  Chọn ngày kết thúc  Q

Tạo báo cáo mới

STT	Tiêu đề báo cáo	Thời gian gửi	Phản hồi	Hủy bỏ
1	<a href="#">chu hang tao bao</a>	2017-04-13 10:18:12.0	Có phản hồi	
2	<a href="#">tao moi</a>	2017-04-18 14:00:29.0	Chưa có phản hồi	

Hiển thị 1 đến 2 trong số 2 bản ghi

1 10

#### 6.2.2.4 Fee

##### 6.2.2.4.1 Reference fee

To view Reference fee, Goods Owner click on “BÁO GIÁ” in navigation bar then click “THAM CHIẾU” as image below



STT	Loại hàng	Khối lượng	Quãng đường	Giá tham chiếu (VND)
1	Bàn-ghế-giường-tủ	100 (kg)	10 (km)	10,000
2	Đồ uống	100 (kg)	10 (km)	10,000
3	Động vật	100 (kg)	10 (km)	10,000
4	Hàng điện tử	100 (kg)	10 (km)	10,000
5	Hóa chất	100 (kg)	10 (km)	10,000
6	Hoa quả	100 (kg)	10 (km)	10,000
7	Kim loại - nguyên liệu	100 (kg)	10 (km)	10,000
8	Máy móc - cơ khí	100 (kg)	10 (km)	10,000
9	Sức khỏe - làm đẹp	100 (kg)	10 (km)	10,000

##### 6.2.2.4.2 View fee list

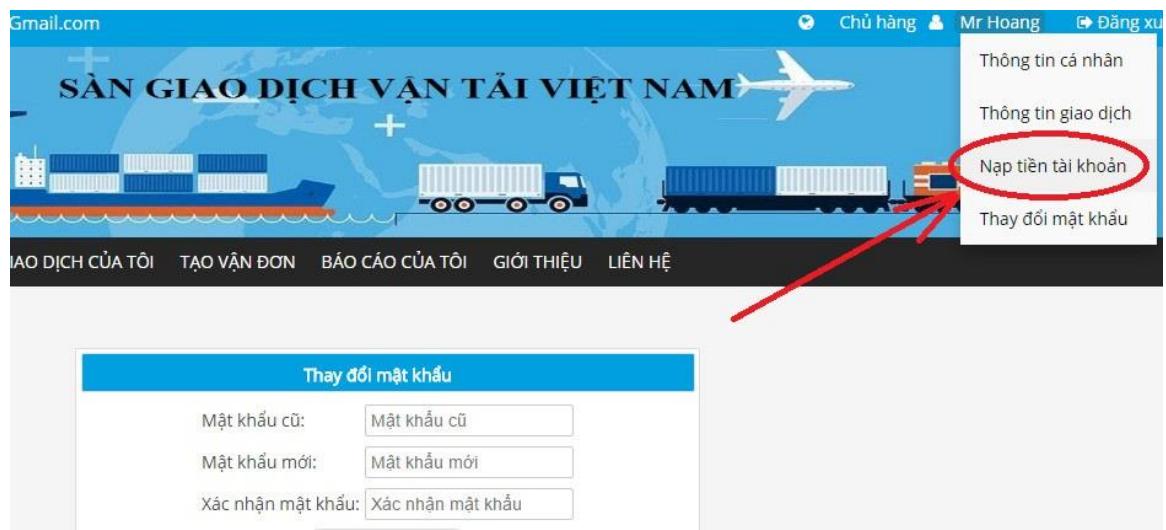
To view fee list, Goods Owner click on “BÁO GIÁ” in navigation bar then click “HỆ THỐNG” as image below



STT	Chi Phí	Mã	Giá	Mô Tả
1	Tiền cọc khi hàng đăng vận đơn	C001	10.0 (%)	Tiền cọc khi chủ hàng đăng vận đơn. Tính theo 10% giá trân.
2	Tiền cọc khi đặt thầu	C002	10.0 (%)	Tiền cọc khi chủ xe đặt thầu vận đơn. Tính theo 10% tiền đặt thầu.
3	Phí đăng vận đơn	F001	10,000(VND)	Phí khi chủ hàng đăng vận đơn.
4	Phí đấu thầu	F002	10,000(VND)	Phí khi chủ xe đấu thầu vận đơn.

#### 6.2.2.5 Account Recharge

**Step 1:** The quickest way to recharge your account is lower mouse Name of Goods Owner in Top Rightmost corner, then click “Nạp tiền tài khoản” in drop-down list.



**Step 2: Choose your payments method**

Chọn phương thức nạp tiền

Ví điện tử Ngân Lương

Thẻ cào điện thoại

Online bằng thẻ ATM/ Internet Banking

Vietcombank	DONGA Bank	TECHCOMBANK	MB	VIB	VietinBank	EXIMBANK
ACB	HDBank	MARITIME BANK	NCB	NGÂN HÀNG VIỆT Á	VPBank	Sacombank
GP-BANK	AGROBANK	BIDV	OCEAN BANK	PG BANK	SHB	SeABank
TienPhong Bank	BAC A BANK	OCB	DAIA BANK	ABBANK	SAIGON BANK	NGÂN HÀNG NAM Á

Chuyển khoản ngân hàng

Phi do ngân hàng quy định, áp dụng chuyển khoản qua: Internet Banking, Cây ATM, quầy giao dịch

**Step 3: Enter payment information to recharge.**

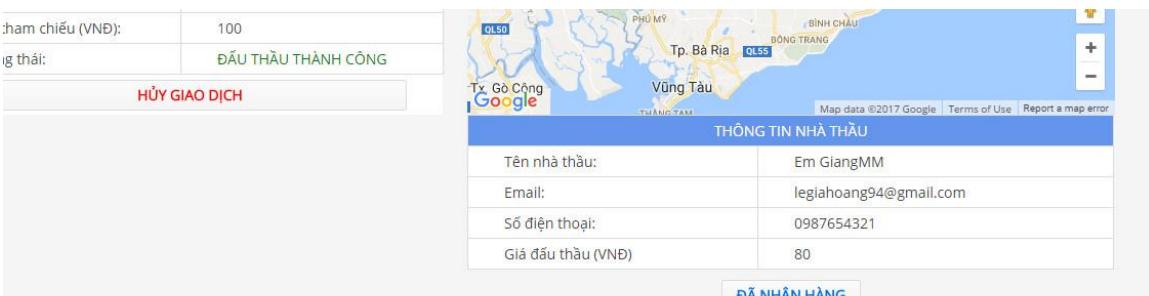
#### 6.2.2.6 Transaction History

To view transaction history Goods Owner have to hover mouse Name of Goods Owner in Top Rightmost corner, then click “Thông tin giao dịch”

Tên người dùng	Số dư tài khoản	Tiền tệ
Mr Hoang	2,199,920	VND

#### 6.2.2.7 Connect to carrier

When status of Bill of Lading change to “ĐẦU THẦU THÀNH CÔNG” Goods can know contact information of Carrier by seeing in bottom-left corner of Bill of Lading detail page



The screenshot shows a Bill of Lading detail page. At the top left, there are fields for 'Giá ham chiếu (VNĐ):' (100) and 'Tình trạng:' (ĐẦU THẦU THÀNH CÔNG). Below these is a button labeled 'HỦY GIAO DỊCH'. To the right is a map of the Vũng Tàu area, showing locations like Phú Mỹ, Tp. Bà Rịa, BÌNH CHÂU, BÔNG TRẠNG, and Vũng Tàu. Below the map is a table titled 'THÔNG TIN NHÀ THẦU' (Carrier Information) with the following data:

Tên nhà thầu:	Em GiangMM
Email:	legiahoang94@gmail.com
Số điện thoại:	0987654321
Giá đầu thầu (VNĐ):	80

At the bottom right of the table is a button labeled 'ĐÃ NHẬN HÀNG' (Accepted). Below the table is a section titled 'HỎI ĐÁP (1)' (1 Answer) with a single message from 'Mr Hoang' dated 19.04.2017, stating 'khoảng khi nào em chuyển hàng xong cho anh vậy'. There is a 'Reply' button next to the message.

From there Goods Owner can make contact with Carrier

#### 6.2.2.8 Login

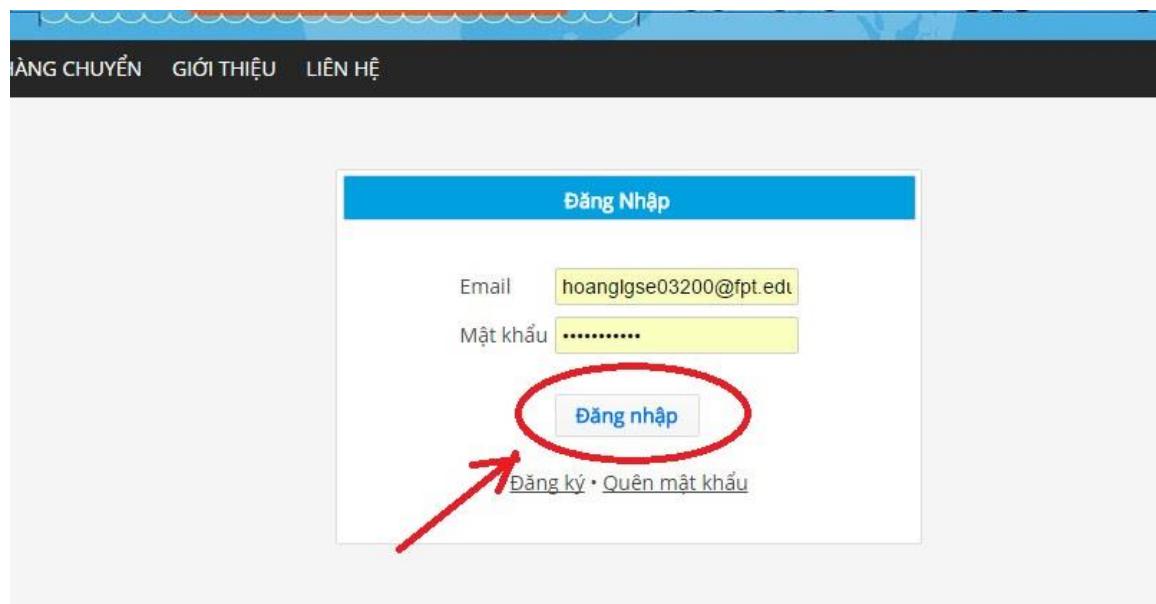
**Step1:** Open home page with link

<https://carriertradingcenter.com/CEX/faces/xhtml/Home.xhtml>

**Step2:** Click “Đăng Nhập” at right most corner of screen

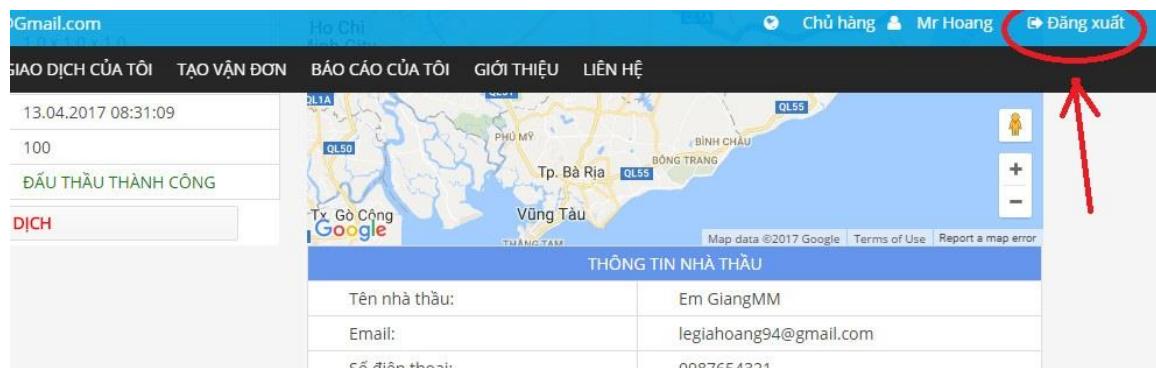


**Step3:** Input your Goods Owner 's email and password then click “Đăng Nhập”



### 6.2.2.9 Logout

To log out, Goods Owner can click “Đăng Xuất” in Top Rightmost corner screen.



### 6.2.3 Carrier

#### 6.2.3.1 Bill of lading list

##### 6.2.3.1.1 View bill of lading list

Carrier can quickly access bill of lading list whenever they are on any specific page of <https://carriertradingcenter.com/> by click “Giao Dịch Của Tôi” in Navigation Bar

STT	Hình ảnh	Loại hàng	Hình thức đóng gói	Lộ trình	Khối lượng	Thể tích	Thời gian còn lại	Giá tham chiếu	XEM
1		Bàn-ghế-giường-tủ	Thùng cát tông	Thạch Thất, Hà Nội - Cầu Giấy, Hà Nội 16.04.2017 17:31:54 - 30.04.2017 17:31:54	200.0 (kg)	1.5 (m³)	8 ngày	2,000,000 (VNĐ)	

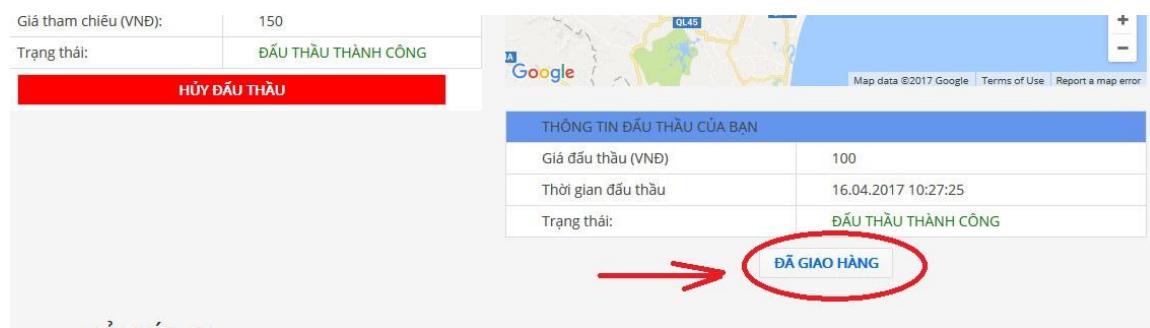
#### 6.2.3.1.2 Confirm complete transaction

After bringing goods to destination, Carrier have to make a confirmation with Goods Owner

**Step 1:** In bill of lading list screen Carrier can only see just few information about bill of lading, to get more information Carrier can click on Image at rightmost of item in the list to go to Bill of Lading Detail page

1		Hóa chất	Thùng gỗ	Hà Đông, Hà Nội - Nông Cống, Thanh Hóa 2017-04-13 08:04:02.0 - 2017-04-16 08:04:02.0	Hết giờ	150.000 (VNĐ)	Chủ hàng hủy giao dịch	
2		Hàng điện tử	Container	Phan Thiết, Bình Thuận - Phước Long, Bình Phước 2017-04-13 08:28:09.0 - 2017-04-15 08:28:09.0	Hết giờ	100 (VNĐ)	Đã giao thành công	
3		Thể thao	Bưu kiện	Nga Sơn, Thanh Hóa - Mèo Vạc, Hà Giang 2017-04-13 14:58:26.0 - 2017-04-14 14:58:26.0	Hết giờ	600.000 (VNĐ)	Chủ hàng hủy giao dịch	
4		Động vật	Container	Tây Sơn, Bình Định - Thạch An, Cao Bằng 2017-04-13 15:07:49.0 - 2017-04-17 15:07:49.0	Hết giờ	700 (VNĐ)	Đã giao thất bại	
5		Kim loại - nguyên liệu	Chai - lọ - thùng chứa	Tây Sơn, Bình Định - Thạch An, Cao Bằng 2017-04-13 15:12:54.0 - 2017-04-15 15:12:54.0	Hết giờ	60.000 (VNĐ)	Đã giao thất bại	

Step 2: Click “ĐÃ GIAO HÀNG” in detail bill of lading page



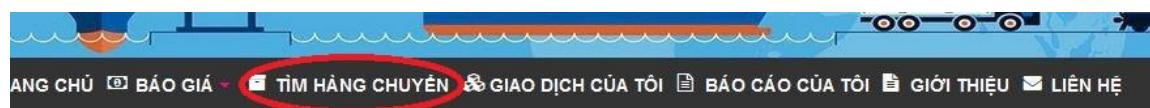
#### 6.2.3.1.3 View bill of lading detail

In the bill of lading list screen Carrier can only see just few information about the bill of lading, to get more information Carrier can click on Image at rightmost of the item in the bill of lading list to go to Bill of Lading Detail page.

1		Hóa chất	Thùng gỗ	Hà Đông, Hà Nội - Nông Cống, Thanh Hóa 2017-04-13 08:04:02.0 - 2017-04-16 08:04:02.0	Hết giờ	150.000 (VND)	Chủ hàng hủy giao dịch	
2		Hàng điện tử	Container	Phan Thiết, Bình Thuận - Phước Long, Bình Phước 2017-04-13 08:28:09.0 - 2017-04-15 08:28:09.0	Hết giờ	100 (VND)	Đầu giá thành công	
3		Thể thao	Bưu kiện	Nga Sơn, Thanh Hóa - Mèo Vạc, Hà Giang 2017-04-13 14:58:26.0 - 2017-04-14 14:58:26.0	Hết giờ	600.000 (VND)	Chủ hàng hủy giao dịch	
4		Động vật	Container	Tây Sơn, Bình Định - Thạch An, Cao Bằng 2017-04-13 15:07:49.0 - 2017-04-17 15:07:49.0	Hết giờ	700 (VND)	Đầu giá thất bại	
5		Kim loại - nguyên liệu	Chai - lọ - thùng chứa	Tây Sơn, Bình Định - Thạch An, Cao Bằng 2017-04-13 15:12:54.0 - 2017-04-15 15:12:54.0	Hết giờ	60,000 (VND)	Đầu giá thất bại	

#### 6.2.3.1.4 Auction bill of lading

**Step 1:** Click “TÌM HÀNG CHUYÊN” in navigation bar



## CHI TIẾT ĐƠN HÀNG

**Step 2:** Click on Image at rightmost of item in the list to go to Bill of Lading Detail page

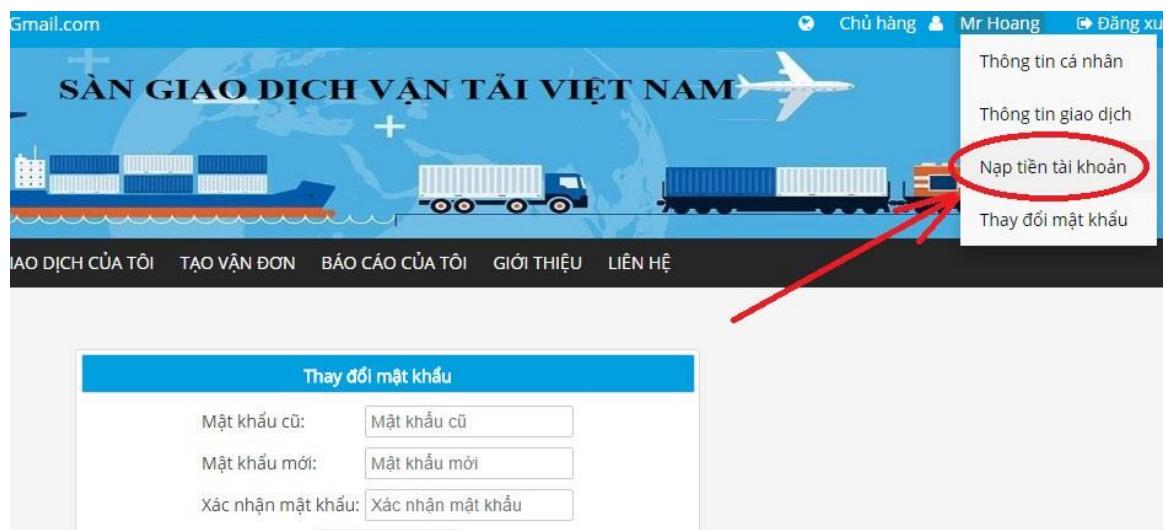
1		Hóa chất	Thùng gỗ	Hà Đông, Hà Nội - Nông Cống, Thanh Hóa 2017-04-13 08:04:02.0 - 2017-04-16 08:04:02.0	Hết giờ	150.000 (VND)	Chủ hàng hủy giao dịch	
2		Hàng điện tử	Container	Phan Thiết, Bình Thuận - Phước Long, Bình Phước 2017-04-13 08:28:09.0 - 2017-04-15 08:28:09.0	Hết giờ	100 (VND)	Đầu giá thành công	
3		Thể thao	Bưu kiện	Nga Sơn, Thanh Hóa - Mèo Vạc, Hà Giang 2017-04-13 14:58:26.0 - 2017-04-14 14:58:26.0	Hết giờ	600.000 (VND)	Chủ hàng hủy giao dịch	
4		Động vật	Container	Tây Sơn, Bình Định - Thạch An, Cao Bằng 2017-04-13 15:07:49.0 - 2017-04-17 15:07:49.0	Hết giờ	700 (VND)	Đầu giá thất bại	
5		Kim loại - nguyên liệu	Chai - lọ - thùng chứa	Tây Sơn, Bình Định - Thạch An, Cao Bằng 2017-04-13 15:12:54.0 - 2017-04-15 15:12:54.0	Hết giờ	60.000 (VND)	Đầu giá thất bại	

**Step 3:** Click “ĐÁU THẦU” at bottom of detail bill of lading page.



#### 6.2.3.1.5 Account recharge

**Step 1:** The quickest way to recharge your account is lower mouse Name of Carrier in Top Rightmost corner, then click “Nạp tiền tài khoản” in the drop-down list.



**Step 2: Choose your payments method**

Chọn phương thức nạp tiền

Ví điện tử Ngan Luong

Hỗ trợ **MỌI HÌNH THỨC THANH TOÁN** tại việt nam

Thẻ cào điện thoại

PHÍ THẺ CÀO: tính theo nhà mạng

Online bằng thẻ ATM/ Internet Banking

Chuyển khoản ngân hàng

Phí do ngân hàng quy định, áp dụng chuyển khoản qua: Internet Banking, Cây ATM, quầy giao dịch

© NganLuong.vn

**Step 3: Enter payment information to recharge.**

Nạp tiền Online bằng thẻ ATM/ Internet Banking

**BAC A BANK** Ngân hàng TMCP Bắc Á

Địa chỉ Email: something

Số điện thoại: something

Số thẻ ATM: something

Họ tên chủ thẻ: SOMETHING

Ngày phát hành: Tháng 4 2017

Số tiền nạp: 9.000.000

Phí nạp tiền: 1.760 đ + 1.1%

Số tiền giao dịch: 9.100.760 đ

Nạp tiền Chọn lại

Giới hạn từ 2.000đ đến 20.000.000.000đ

© NganLuong.vn

### 6.2.3.1.6 Search bill of lading

If Carrier want to find Bill of lading that created by Goods Owner in <https://carriertradingcenter.com/> they can search them by click “TÌM HÀNG CHUYỂN” in Navigation Bar

In the top of “TÌM HÀNG CHUYỂN” page, Carrier can set filter condition and then click Search to find concise Bill of Lading that they want.

### 6.2.3.1.7 Cancel bill of lading

If auction is incomplete Carrier are able to cancel Auction buy click “HỦY GIAO DỊCH” on Bill of lading detail page:

### 6.2.3.2 Manage profile

#### 6.2.3.2.1 View profile

To view profile, Carrier hover mouse over Carrier name in top-rightmost and click “Thông tin cá nhân”, after that Carrier will be redirected to page with title “Thông tin người dùng”



#### 6.2.3.2.2 Edit profile

**Step 1:** Go to “Thông tin cá nhân” page by hover mouse over the name of Carrier in top-rightmost of the page.



**Step 2:** In the “Thông tin người dùng” click “Thay đổi”. New pop-up will be show

**THÔNG TIN CÁ NHÂN**

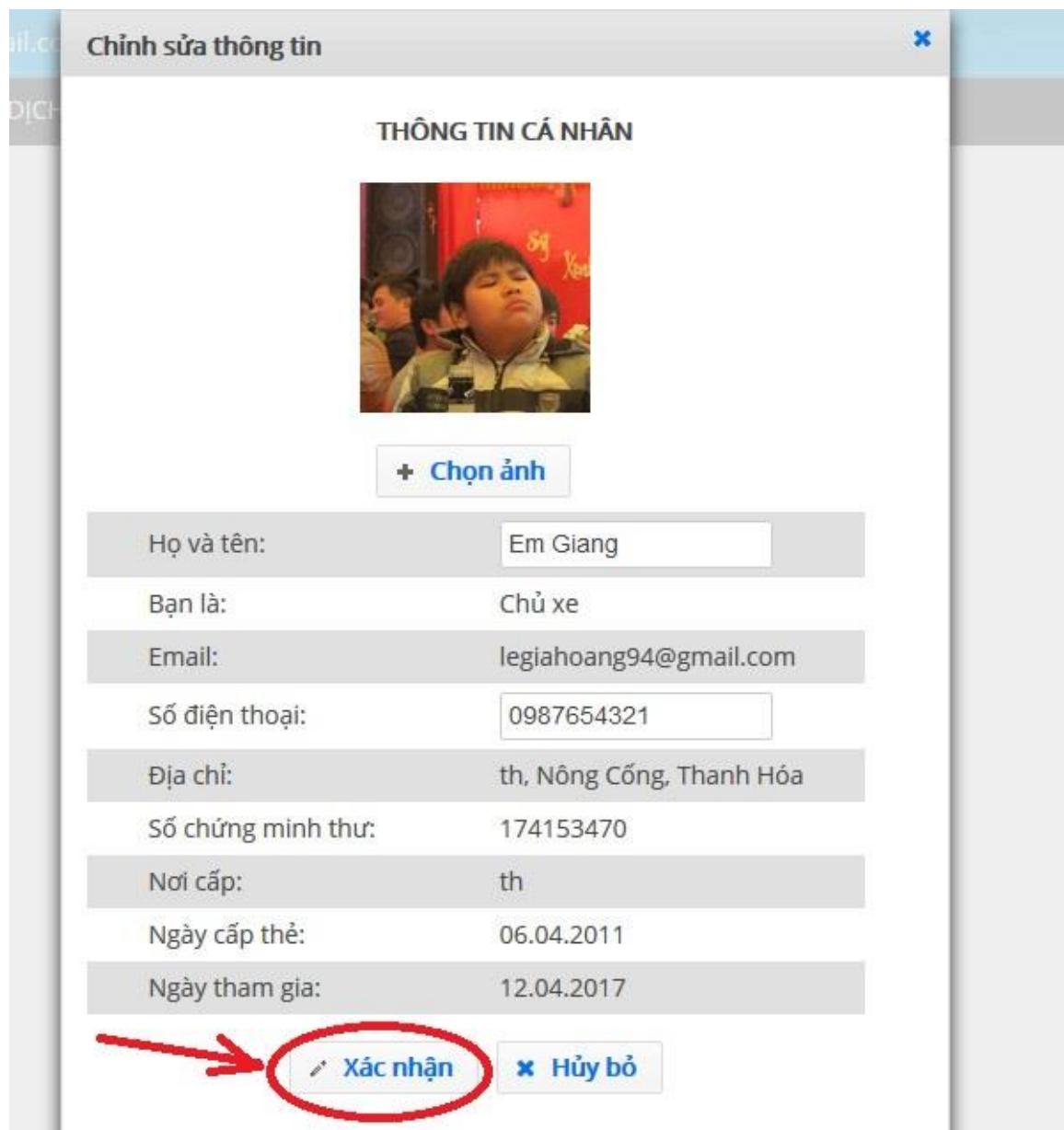


Họ và tên:	Em GiangMM
Bạn là:	Chủ xe
Email:	legiahoang94@gmail.com
Số điện thoại:	0987654321
Địa chỉ:	th, Nông Cống, Thanh Hóa
Số chứng minh thư:	174153470
Nơi cấp:	th
Ngày cấp thẻ:	06.04.2011
Ngày tham gia:	12.04.2017
Số dư tài khoản:	<u>9929960.0(VND)</u>

 **Thay Đổi**

←

**Step 3:** Edit the information that you want to change and then click “Lưu thay đổi”



#### 6.2.3.2.3 Change password

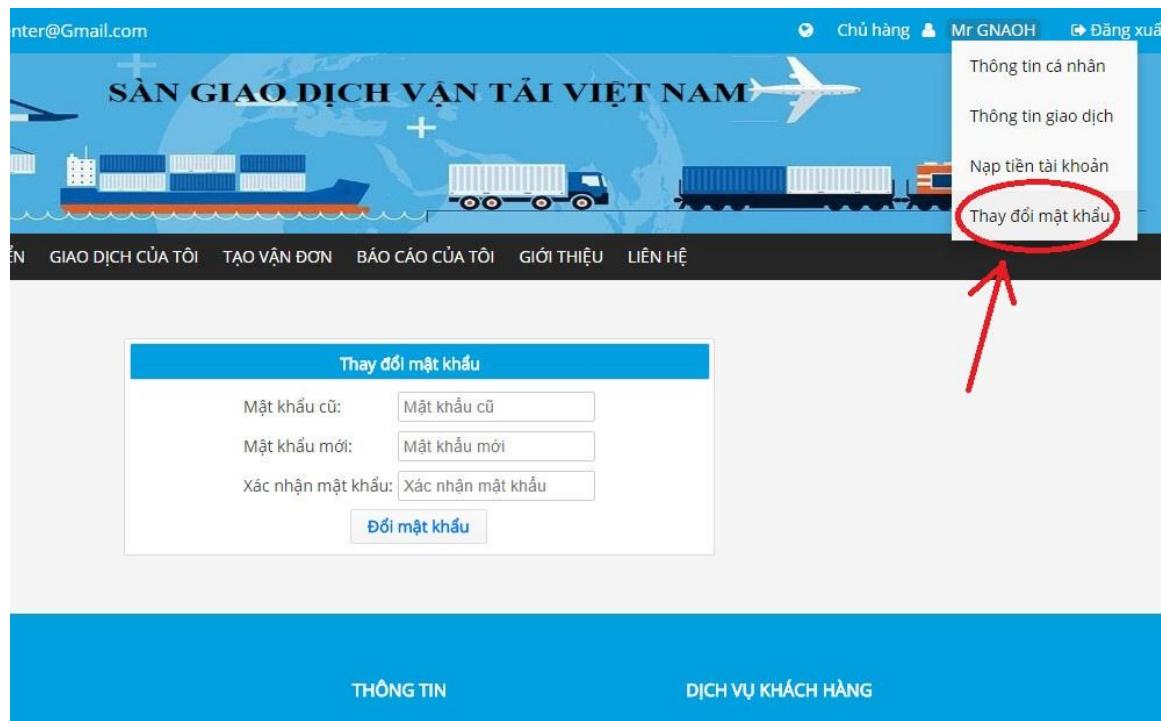
A *Strong Password* is defined as a password that is reasonably difficult to guess in a short period of time either through human guessing or the use of specialized software.

A Strong password should:

- Be at least 6 characters in length
- Contain both upper and lowercase alphabetic characters (e.g. A-Z, a-z)
- Have at least one numerical character (e.g. 0-9)
- Have at least one special character (e.g. ~!@#\$%^&\*()\_-+=)

To change any user's password you must specify a *Strong Password*

**Step 1:** Hover mouse over Carrier name in the top-right corner and select “Thay đổi mật khẩu” to go to “Thay đổi mật khẩu” page.

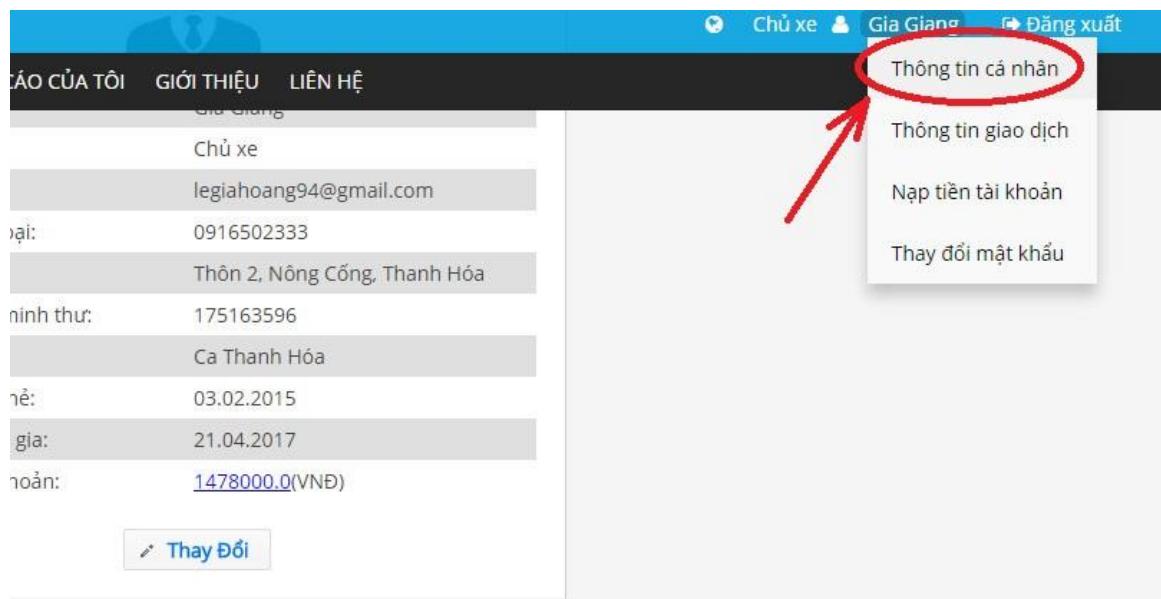


**Step 2:** Input your old password and a new *Strong Password*

**Step 3:** Click “Đổi mật khẩu” to save the new *Strong Password*

#### 6.2.3.2.4 Add company

**Step 1:** Go to “Thông tin cá nhân” page by hover mouse over the name of Carrier in top-rightmost of the page.



**Step 2:** Click “Thêm mới” under “THÔNG TIN CÔNG TY” section.

Địa chỉ:	Thôn 2, Nông Cống, Thanh Hóa
Số chứng minh thư:	175163596
Nơi cấp:	Ca Thanh Hóa
Ngày cấp thẻ:	03.02.2015
Ngày tham gia:	21.04.2017
Số dư tài khoản:	<u>1478000.0</u> (VND)

[Thay đổi](#)

**THÔNG TIN CÔNG TY**

[Thêm mới](#)



**Step 3:** Enter company information then click “Xác nhận”

Email: hoanglgse03200@fpt.edu.vn

**Thêm thông tin công ty**

**THÔNG TIN CÔNG TY**

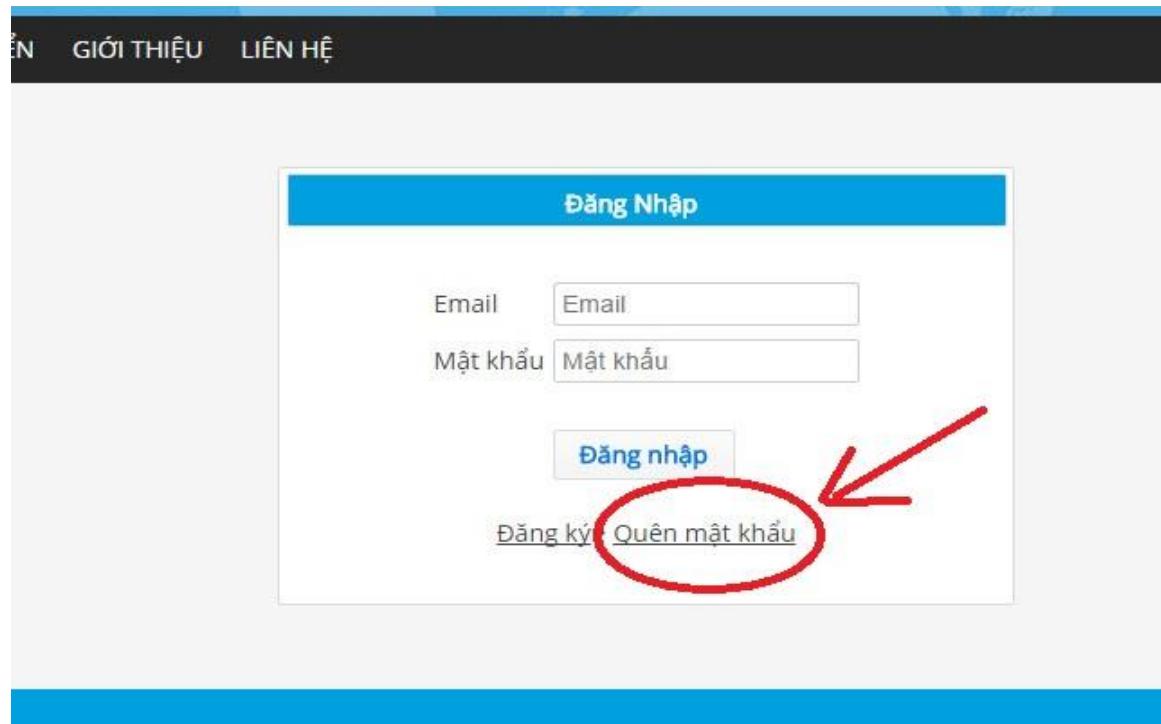
Tên công ty:	<input type="text"/>
Email:	<input type="text"/>
Số điện thoại:	<input type="text"/>
Fax:	<input type="text"/>
Địa chỉ:	<input type="text"/>
Mã số thuế:	<input type="text"/>

[Xác nhận](#) [Hủy bỏ](#)



#### 6.2.3.2.5 Forget password

**Step 1:** To be able to reset your Password, go to the “Đăng nhập” page and click “Quên mật khẩu” under the Login form



**Step 2:** Enter your email address, then click “Gửi”



**Step 3:** Open your mailbox to get temporary password

Thay đổi mật khẩu Inbox x

---

 [carriertradingcenter@gmail.com](mailto:carriertradingcenter@gmail.com) 5:41 PM (0 minutes ago)

to me Turn off for: \

 Vietnamese > English [Translate message](#)

Chào bạn Em GiangMM!

Đây là email tự động được gửi từ website: <http://carriertradingcenter.com>  
Mật khẩu mới của bạn là: \*W=c!["A  
Hãy click vào link dưới đây để thay đổi mật khẩu của mình:  
<http://carriertradingcenter.com/changepassword>

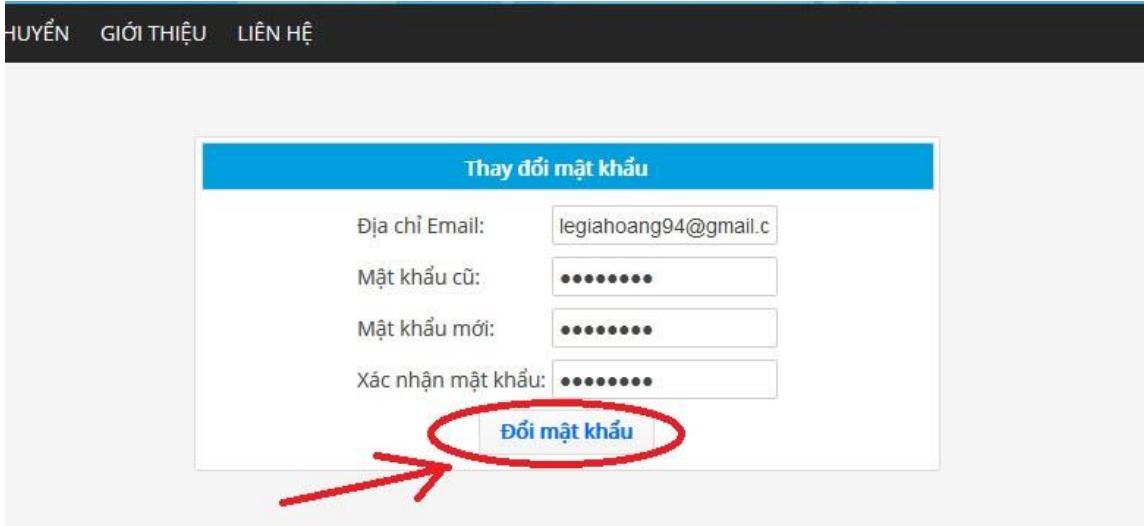
Cảm ơn bạn đã quan tâm tới dịch vụ của chúng tôi!

Sàn Giao Dịch Vận Tải.

**Step 4:** Open the link

<https://carriertradingcenter.com/CEX/faces/xhtml/Users/ResetPasswod.xhtml> and enter the information to change to new *Strong Password*

Pay attention to: “Mật khẩu cũ” already provided within your email.



Thay đổi mật khẩu

Địa chỉ Email: legiahoang94@gmail.com

Mật khẩu cũ:

Mật khẩu mới:

Xác nhận mật khẩu:

**Đổi mật khẩu**

### 6.2.3.3 Report

#### 6.2.3.3.1 View report list

Carrier can see a list of Report when going to “Báo cáo của tôi” page by click “BÁO CÁO CỦA TÔI” in the navigation bar.



#### 6.2.3.3.2 Send report

**Step 1:** Go to page “Báo cáo của tôi” by click “BÁO CÁO CỦA TÔI” in navigation bar



**Step 2:** Click “Tạo báo cáo mới”

STT	Tiêu đề báo cáo	Thời gian gửi	Phản hồi	Hủy bỏ
1	chu hang tao bao	2017-04-13 10:18:12.0	Có phản hồi	
2	tao moi	2017-04-18 14:00:29.0	Chưa có phản hồi	

Hiển thị 1 đến 2 trong số 2 bản ghi

**Step 3:** Enter the information into the form, then click “Gửi báo cáo”

**BÁO CÁO CỦA TÔI**

*Chu đề bạn muốn báo cáo là gì?*

Nhập chủ đề bạn muốn báo cáo vào đây

**Câu hỏi của bạn là gì?**

Nhập câu hỏi của bạn vào đây

**Bạn mong muốn xử lý như thế nào?**

Nhập yêu cầu bạn muốn xử lý vào đây

**Nội dung báo cáo của bạn\***

Nhập nội dung báo cáo của bạn vào đây

**Gửi báo cáo** **Quay lại**

#### 6.2.3.3.3 Search report

In the page “Báo cáo của tôi”, Carrier can search report by entering information as “Tiêu đề báo cáo” or “ngày và giờ”, then click “Tìm kiếm” to find report

**BÁO CÁO CỦA TÔI**

**Hỗ trợ tìm kiếm**

Tiêu đề báo cáo  Từ khóa  Từ ngày  Chọn ngày bắt đầu  Đến ngày  Chọn ngày kết thúc  **Q** **Tìm kiếm**

**Tạo báo cáo mới**

STT	Tiêu đề báo cáo	Thời gian gửi	Phản hồi	Hủy bỏ
1	<a href="#">chu hàng tao bao</a>	2017-04-13 10:18:12.0	Có phản hồi	
2	<a href="#">tao moi</a>	2017-04-18 14:00:29.0	Chưa có phản hồi	

Hiển thị 1 đến 2 trong số 2 bản ghi

### 6.2.3.4 Fee

#### 6.2.3.4.1 Reference fee

To view fee list, Carrier click on “BÁO GIÁ” in navigation bar then click “THAM CHIẾU” as image below



STT	Loại hàng	Khối lượng	Quãng đường	Giá tham chiếu (VNĐ)
1	Bàn-ghế-giường-tủ	100 (kg)	10 (km)	10,000
2	Đồ uống	100 (kg)	10 (km)	10,000
3	Động vật	100 (kg)	10 (km)	10,000
4	Hàng điện tử	100 (kg)	10 (km)	10,000
5	Hóa chất	100 (kg)	10 (km)	10,000
6	Hoa quả	100 (kg)	10 (km)	10,000
7	Kim loại - nguyên liệu	100 (kg)	10 (km)	10,000
8	Máy móc - cơ khí	100 (kg)	10 (km)	10,000
9	Sức khỏe - làm đẹp	100 (kg)	10 (km)	10,000

#### 6.2.3.4.2 View fee list

To view Reference fee, Carrier click on “BÁO GIÁ” in navigation bar then click “HỆ THỐNG” as image below



STT	Chi Phí	Mã	Giá	Mô Tả
1	Tiền cọc đăng vận đơn	C001	10.0 (%)	Tiền cọc khi chủ hàng đăng vận đơn. Tính theo 10% giá tròn.
2	Tiền cọc đặt thầu	C002	10.0 (%)	Tiền cọc khi chủ xe đặt thầu vận đơn. Tính theo 10% tiền đặt thầu.
3	Phi đăng vận đơn	F001	10,000(VND)	Phi khi chủ hàng đăng vận đơn.
4	Phi đấu thầu	F002	10,000(VND)	Phi khi chủ xe đấu thầu vận đơn.

Bandicam  
Click the tray icon to restore  
Bandicam.  
Bandisoft - bdcam.exe

### 6.2.3.5 Transaction history

To view transaction history Carrier have to hover mouse Name of Carrier in Top Rightmost corner, then click “Thông tin giao dịch”

ADINGCENTER@Gmail.com

Chủ xe Em GiangMM Đăng xu

G CHUYỂN GIAO DỊCH CỦA TÔI BÁO CÁO CỦA TÔI GIỚI THIỆU LIÊN HỆ

Thông tin cá nhân

Thông tin giao dịch (highlighted with a red arrow)

Nạp tiền tài khoản

Thay đổi mật khẩu

THÔNG TIN VỀ TÀI KHOẢN

Tên người dùng	Số dư tài khoản	Tiền tệ
Em GiangMM	9,929,960	VND

LIỆT KÊ GIAO DỊCH

tim kiem

Ngày bắt đầu Ngày kết thúc

Mô tả giao dịch	Số tiền (VND)	Số dư (VND)
Phí đấu thầu.	(-) 10.000	9,990,000

#### 6.2.3.6 Connect to goods owner

By seeing bill of lading detail Carrier can see information about Goods Owner, so they can contact to Goods Owner by phone number:

THÔNG TIN HÀNG HÓA CÀN VÀN CỦA HÀN

Khởi hành: Nông Cống, Thanh Hóa

Đến đến: Hà Đông, Hà Nội

Mã vận đơn	morning16042017
Người gửi:	hoang
Điện thoại người gửi:	0916502333
Ngày đăng:	16.04.2017 10:23:43
Hạn gửi hàng:	16.04.2017 10:12:09
Đặc điểm nơi gửi:	
Người nhận:	giang
Điện thoại người nhận:	01235427332
Hạn nhận hàng:	17.04.2017 10:12:09
Đặc điểm nơi nhận:	

#### 6.2.3.7 Login

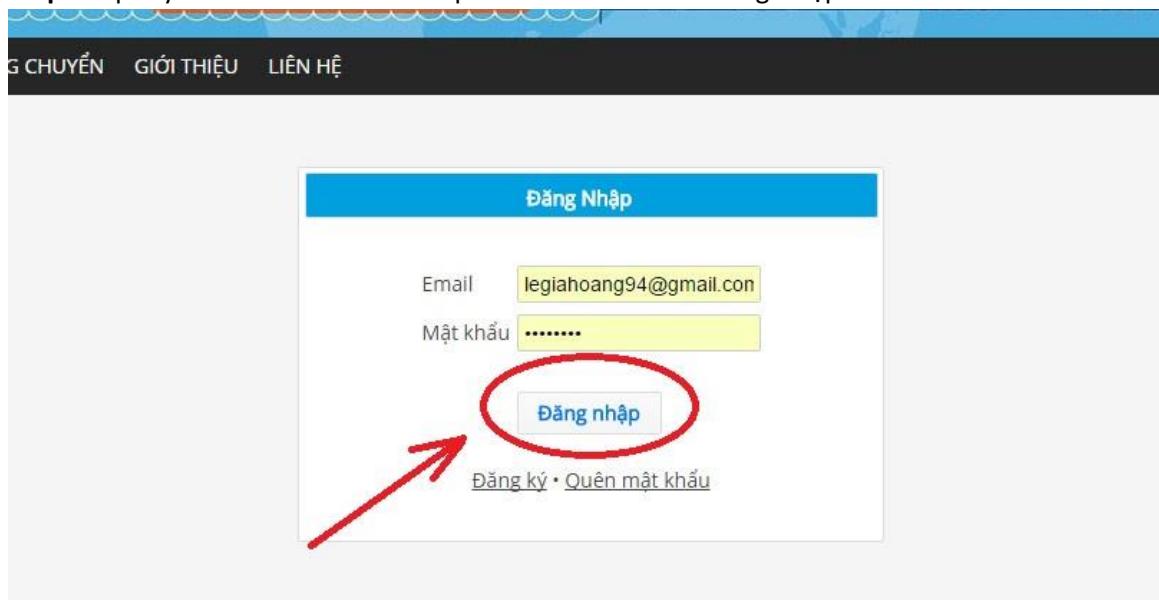
Step1: Open home page with link

<https://carriertradingcenter.com/CEX/faces/xhtml/Home.xhtml>

**Step2:** Click “Đăng Nhập” at right most corner of screen



**Step3:** Input your Carrier's email and password then click “Đăng Nhập”.



#### 6.2.3.8 Logout

To log out, Carrier can click “Đăng Xuất” in Top Rightmost corner screen.



## 6.2.4 Admin

### 6.2.4.1 Bill of lading list

#### 6.2.4.1.1 View bill of lading list

Admin can quickly access bill of lading list whenever they are on any specific page of <https://carriertradingcenter.com/> by click “Tìm hàng chuyển” in Navigation Bar



#### 6.2.4.1.2 View bill of lading detail

In the bill of lading list screen Admin can only see just few information about the bill of lading, to get more information Admin can click on Image at rightmost of the item in the list to go to Bill of Lading Detail page.

1		Hóa chất	Thùng gỗ	Hà Đông, Hà Nội - Nông Cống, Thanh Hóa 2017-04-13 08:04:02.0 - 2017-04-16 08:04:02.0	Hết giờ	150.000 (VND)	Chủ hàng hủy giao dịch	
2		Hàng điện tử	Container	Phan Thiết, Bình Thuận - Phước Long, Bình Phước 2017-04-13 08:28:09.0 - 2017-04-15 08:28:09.0	Hết giờ	100 (VND)	Đấu giá thành công	
3		Thể thao	Bưu kiện	Nga Sơn, Thanh Hóa - Mèo Vạc, Hà Giang 2017-04-13 14:58:26.0 - 2017-04-14 14:58:26.0	Hết giờ	600.000 (VND)	Chủ hàng hủy giao dịch	
4		Động vật	Container	Tây Sơn, Bình Định - Thạch An, Cao Bằng 2017-04-13 15:07:49.0 - 2017-04-17 15:07:49.0	Hết giờ	700 (VND)	Đấu giá thất bại	
5		Kim loại - nguyên liệu	Chai - lọ - thùng chứa	Tây Sơn, Bình Định - Thạch An, Cao Bằng 2017-04-13 15:12:54.0 - 2017-04-15 15:12:54.0	Hết giờ	60.000 (VND)	Đấu giá thất bại	

Then browser will redirect to Bill Of Lading Detail page

#### 6.2.4.1.3 Search bill of lading

If Admin want to find Bill of lading that created by other Admin in <https://carriertradingcenter.com/> they can search them by click “TÌM HÀNG CHUYÊN” in Navigation Bar

In the top of “TÌM HÀNG CHUYÊN” page, Admin can set filter condition and then click Search to find concise Bill of Lading that they want.

#### 6.2.4.1.4 View carrier auction success

When the auction meets a deadline it can be a success or not.

Admin can see auction status by going to Bill of lading detail

**Step 1:** Go to “TÌM HÀNG CHUYÊN” page via Item’s in Navigation Bar

## CTC\_FinalReport\_v1.0\_EN

Secure | https://carriertradingcenter.com/CEX/faces/xhtml/GoodsOwnerBillOfLading.xhtml

01669-775-349 CarrierTradingCenter@Gmail.com

TRANG CHỦ BÁO GIÁ TÌM HÀNG CHUYỂN GIAO DỊCH CỦA TÔI TẠO VẬN ĐƠN BÁO CÁO CỦA TÔI GIỚI THIỆU LIÊN HỆ

DANH SÁCH ĐƠN HÀNG

STT	Hình ảnh	Loại hàng	Hình thức đóng gói	Lộ trình	Thời gian còn lại	Giá tham chiếu	Trạng thái	XEM
1		Hoa quả	Bao bì	Nông Cống, Thanh Hóa - Anh Sơn, Nghệ An 2017-03-30 14:28:57.0 - 2017-04-11 14:28:57.0	Hết giờ	200,000 (VND)	Đầu giá thành công	
2		Thể thao	Thùng cát tông	Lục Ngạn, Bắc Giang - Tiên Du, Bắc Ninh 2017-03-31 18:56:10.0 - 2017-03-31 19:00:20.0	Hết giờ	30,000 (VND)	Đầu giá thành công	
3		Thể thao	Thùng cát tông	Tân Uyên, Bình Dương - Châu Thành, Bến Tre 2017-03-31 19:12:29.0 - 2017-04-02 19:12:29.0	Hết giờ	50,000 (VND)	Đầu giá thành công	

Hiển thị 1 đến 3 trong số 3 bản ghi

**Step 2:** Search bill of lading with condition “Đầu Thầu thành Công”, then click “Tìm kiếm” button

TRANG CHỦ BÁO GIÁ TÌM HÀNG CHUYỂN THỐNG KÊ VẬN ĐƠN QUẢN LÝ NGƯỜI DÙNG BÁO CÁO TỪ NGƯỜI DÙNG

Loại hàng: -lựa chọn- Hình thức đóng gói: -lựa chọn- Khối lượng < (kg) Thể tích < (m<sup>3</sup>)

Địa điểm đi: -lựa chọn- Địa điểm đến: -lựa chọn- Thời gian đi: Thời gian đến:

DANH SÁCH ĐƠN HÀNG

Trạng thái: **Đầu thầu thành công**

STT	Hình ảnh	Loại hàng	Hình thức đóng gói	Lộ trình	Khối lượng	Thể tích	Thời gian còn lại	Giá tham chiếu	XEM
1		Hàng điện tử	Container	Phan Thiết, Bình Thuận - Phước Long, Bình Phước 13.04.2017 08:28:09 - 15.04.2017 08:28:09	1.0 (kg)	1.0 (m <sup>3</sup> )	Hết giờ	100 (VND)	

**Step 3:** Click on image under “XEM” column corresponding with each Auction to view detail

Loại hàng: Hàng điện tử	Cách đóng gói: Container	Khối lượng (kg): 1.0	Số lượng: 1	Kích thước (m): 1.0 x 1.0 x 1.0	Ghi chú:	Hạn đấu thầu: 13.04.2017 08:31:09	Giá tham chiếu (VND): 100	Trạng thái: <b>ĐẦU THẦU THÀNH CÔNG</b>
-------------------------	--------------------------	----------------------	-------------	---------------------------------	----------	-----------------------------------	---------------------------	--

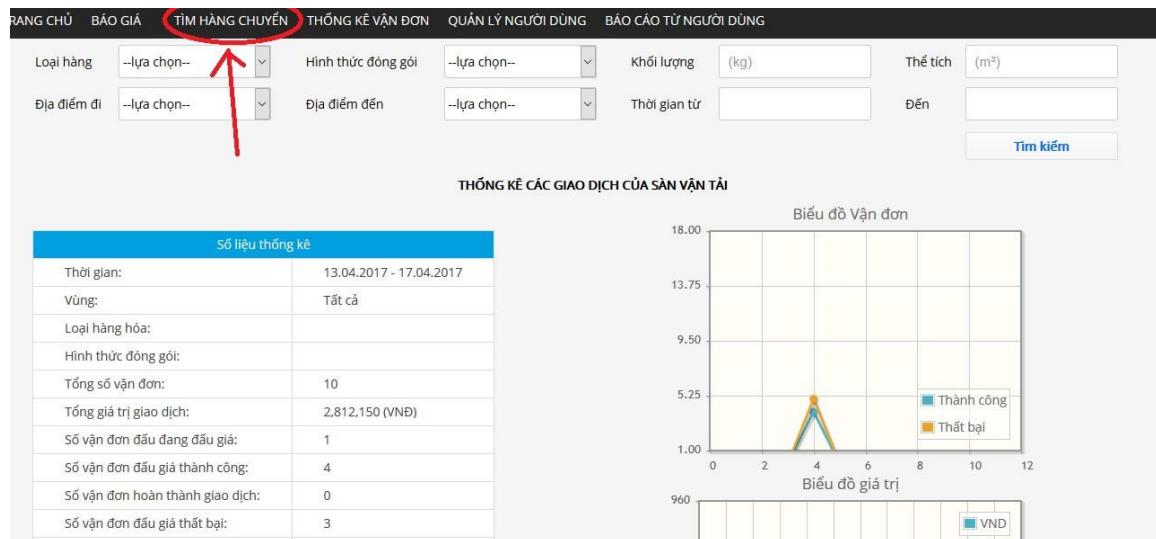
DANH SÁCH CHỦ XE ĐẦU THẦU

STT	Tên Chủ xe	Email	Điện thoại	Ngày đấu thầu	Giá thầu	Trạng thái
1	Em GiangMM	legiahoang94@gmail.com	0987654321	13.04.2017 08:29:24	80(VND)	HOÀN TẤT GIAO DỊCH

**Step 4:** In bottom of the page, Admin will see information about Carrier who auction success.

#### 6.2.4.1.5 Summary all bill of lading

Admin can click “THỐNG KÊ VẬN ĐƠN” in the navigation bar to see summary all bill of lading as the image below:



#### 6.2.4.1.6 View list of Carrier who are auctioning

**Step 1:** Go to “TÌM HÀNG CHUYỀN” page by click “TÌM HÀNG CHUYỀN” in navigation bar



#### Step 2:

Click on Image at rightmost of item in the list to go to Bill Of Lading Detail page

1		Hóa chất	Thùng gỗ	Hà Đông, Hà Nội - Nông Cống, Thanh Hóa 2017-04-13 08:04:02.0 - 2017-04-16 08:04:02.0	Hết giờ	150.000 (VND)	Chủ hàng hủy giao dịch	
2		Hàng điện tử	Container	Phan Thiết, Bình Thuận - Phước Long, Bình Phước 2017-04-13 08:28:09.0 - 2017-04-15 08:28:09.0	Hết giờ	100 (VND)	Đầu giá thành công	(Red circle)
3		Thể thao	Bưu kiện	Nga Sơn, Thanh Hóa - Mèo Vạc, Hà Giang 2017-04-13 14:58:26.0 - 2017-04-14 14:58:26.0	Hết giờ	600.000 (VND)	Chủ hàng hủy giao dịch	
4		Động vật	Container	Tây Sơn, Bình Định - Thạch An, Cao Bằng 2017-04-13 15:07:49.0 - 2017-04-17 15:07:49.0	Hết giờ	700 (VND)	Đầu giá thất bại	
5		Kim loại - nguyên liệu	Chai - lọ - thùng chứa	Tây Sơn, Bình Định - Thạch An, Cao Bằng 2017-04-13 15:12:54.0 - 2017-04-15 15:12:54.0	Hết giờ	60.000 (VND)	Đầu giá thất bại	

Information about carrier will be show.

**RANG CHỦ** **BÁO GIÁ** **TÌM HÀNG CHUYỂN** **THỐNG KÊ VẬN ĐƠN** **QUẢN LÝ NGƯỜI DÙNG** **BÁO CÁO TỪ NGƯỜI DÙNG**

Ghi chú:

Hạn đấu thầu:	26.04.2017 17:31:54
Giá tham chiếu (VND):	2,000,000
Trạng thái:	<b>ĐANG ĐẦU THẦU</b>

Google

Map data ©2017 Google Terms of Use Report a map error

**DANH SÁCH CHỦ XE ĐẦU THẦU**

STT	Tên Chủ xe	Email	Điện thoại	Ngày đấu thầu	Giá thầu	Trạng thái
1	Em GiangMM	legiahoang94@gmail.com	0987654321	19.04.2017 18:20:08	500,000(VND)	<b>ĐANG ĐẦU THẦU</b>
2	Vũ Văn Quyết	quyettvse03344@gmail.com	0972381151	19.04.2017 18:42:32	1,700,000(VND)	<b>ĐANG ĐẦU THẦU</b>

**HỎI ĐÁP (2)**

**admin** 21:57:36 18.04.2017  
sadasd

**admin** 13:45:56 19.04.2017  
arl

#### 6.2.4.2 Manage user

##### 6.2.4.2.1 View User list

By click “QUẢN LÝ NGƯỜI DÙNG” in navigation bar Admin can view user list at bottom of page.

**RANG CHỦ** **BÁO GIÁ** **TÌM HÀNG CHUYỂN** **THỐNG KÊ VẬN ĐƠN** **QUẢN LÝ NGƯỜI DÙNG** **BÁO CÁO TỪ NGƯỜI DÙNG**

STT	Tên người dùng	Email	Tỉnh	Quyền truy cập	Trạng thái	Chi tiết	Kích hoạt
1	Gia Hoàng	giaoangth@gmail.com	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	
2	Gia Giang	legiahoang94@gmail.com	Thanh Hóa	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
3	Administrator	legiahoang@yahoo.com	Hà Nội	Quản trị viên	Đã kích hoạt	<input checked="" type="checkbox"/>	
4	Lê Gia Hoàng	hoanglgse03200@fpt.edu.vn	Hà Nội	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	
5	Vũ Văn Quyết	quyettvse03344@gmail.com	Thái Nguyên	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	

Hiển thị 1 đến 5 trong số 5 bản ghi

#### 6.2.4.2.2 Search user

Step 1: Go to the “QUẢN LÍ NGƯỜI DÙNG” page by click “QUẢN LÍ NGƯỜI DÙNG” in the navigation bar.

STT	Tên người dùng	Email	Tỉnh	Quyền truy cập	Trạng thái	Chi tiết	Kích hoạt
1	Em GiangMM	legiahoang94@gmail.com	Thanh Hóa	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
2	admin	legiahoang@yahoo.com	Thanh Hóa	Quản trị viên	Đã kích hoạt	<input checked="" type="checkbox"/>	
3	Mr Hoang	giahoangth@gmail.com	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	
4	Vũ Văn Quyết	quyettvse03344@gmail.com	Thái Nguyên	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
5	hoanglgse03200	hoanglgse03200@fpt.edu.vn	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	

Step 2: Enter information into the form on the top of the page, then click “Tìm kiếm” to search user.

#### 6.2.4.2.3 View user profile

Step 1: Go to the “QUẢN LÍ NGƯỜI DÙNG” page by click “QUẢN LÝ NGƯỜI DÙNG” in navigation bar.

STT	Tên người dùng	Email	Tỉnh	Quyền truy cập	Trạng thái	Chi tiết	Kích hoạt
1	Em GiangMM	legiahoang94@gmail.com	Thanh Hóa	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
2	admin	legiahoang@yahoo.com	Thanh Hóa	Quản trị viên	Đã kích hoạt	<input checked="" type="checkbox"/>	
3	Mr Hoang	giahoangth@gmail.com	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	
4	Vũ Văn Quyết	quyettvse03344@gmail.com	Thái Nguyên	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
5	hoanglgse03200	hoanglgse03200@fpt.edu.vn	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	

Step 2: Click edit icon under edit column corresponding to each row(user)

SEARCH CRITERIA

STT	Tên người dùng	Email	Tỉnh	Quyền truy cập	Trạng thái	Chi tiết	Kích hoạt
1	Em GiangMM	legiahoang94@gmail.com	Thanh Hóa	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
2	admin	legiahoang@yahoo.com	Thanh Hóa	Quản trị viên	Đã kích hoạt	<input checked="" type="checkbox"/>	
3	Mr Hoang	giaoangth@gmail.com	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	
4	Vũ Văn Quyết	quyettvse03344@gmail.com	Thái Nguyên	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
5	hoanglgse03200	hoanglgse03200@fpt.edu.vn	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	

Display 1 to 5 of 5 records

#### 6.2.4.2.4 Add company

**Step 1:** In the User detail page, Admin can add company by click “Thêm thông tin công ty” at bottom of the page:

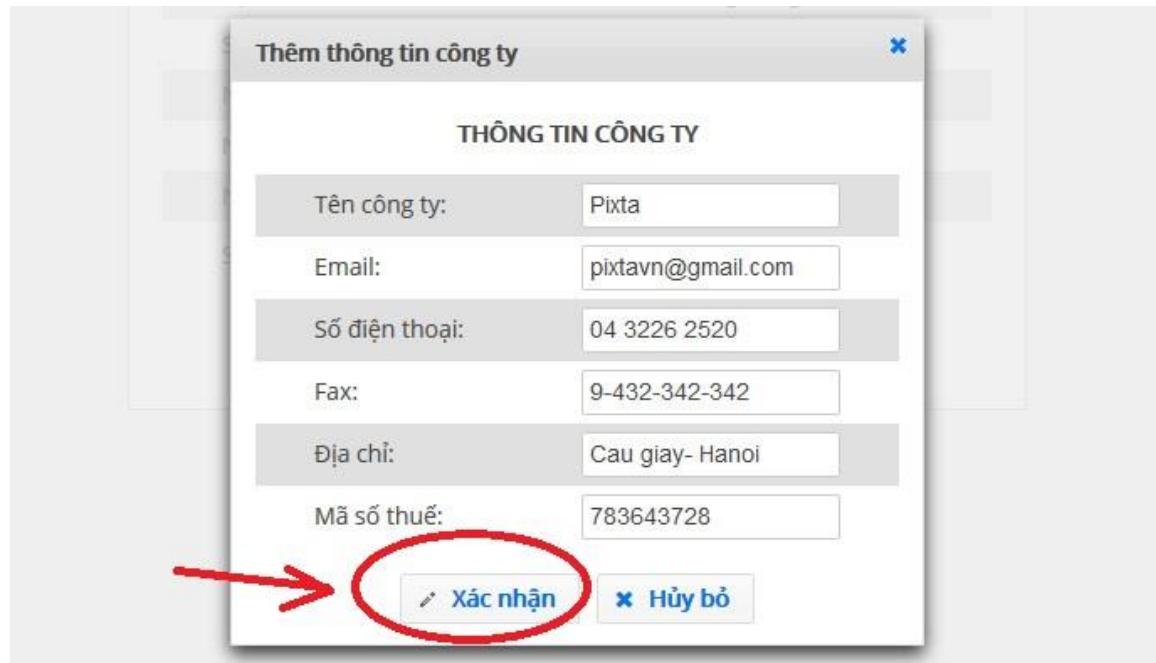
THÔNG KÊ VẬN ĐƠN QUẢN LÝ NGƯỜI DÙNG BÁO CÁO TỪ NGƯỜI DÙNG

Bạn là:	Chủ hàng
Email:	hoanglgse03200@fpt.edu.vn
Số điện thoại:	0976838383
Địa chỉ:	thanh hoa, Nông Cống, Thanh Hóa
Số chứng minh thư:	174156562
Nơi cấp:	CA Thanh Hóa
Ngày cấp thẻ:	25.07.2011
Ngày tham gia:	19.04.2017
Số dư tài khoản:	0.0(VND) <b>Nạp tiền</b>

**THÔNG TIN CÔNG TY**

**Thêm mới**

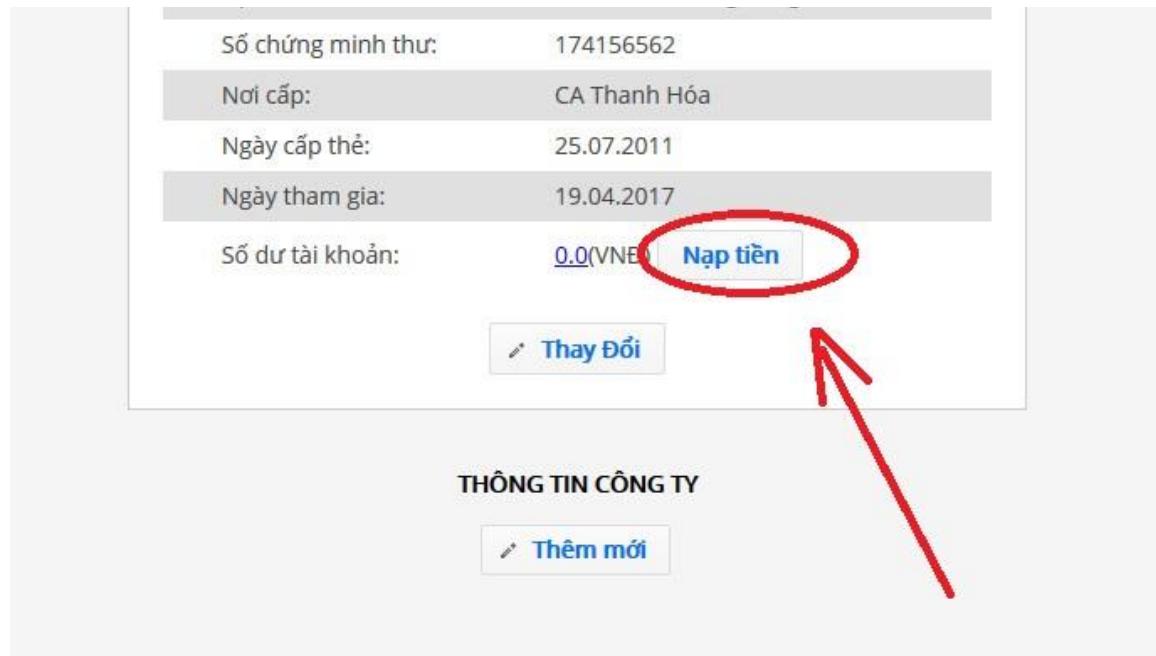
**Step2:** Enter information in new pop-up



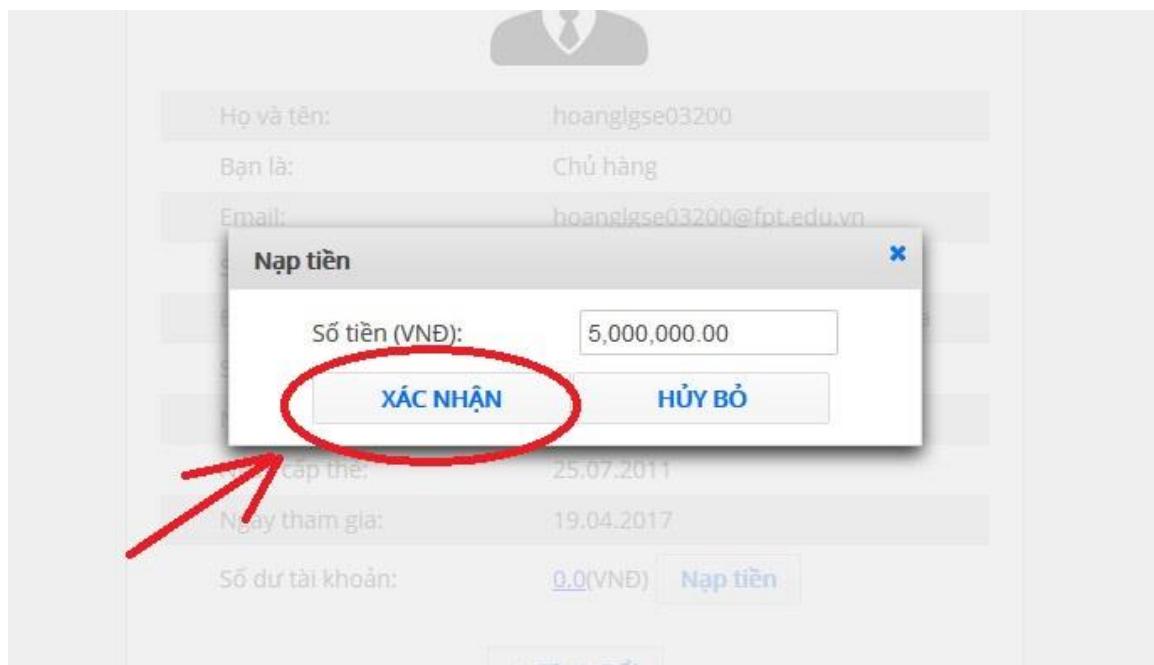
Then click “Lưu Thay Đổi” to save changes

#### 6.2.4.2.5 Account recharge for User

**Step 1:** In the Goods owner or Carrier detail page, Admin can recharge by click “Nạp tiền”



**Step 2:** Enter amount of money to new pop-up



**Step 3:** then click “XÁC NHẬN” to finish.

#### 6.2.4.2.6 Edit user profile

**Step 1:** Go to the “QUẢN LÍ NGƯỜI DÙNG” page by click “QUẢN LÍ NGƯỜI DÙNG” in the navigation bar.

STT	Tên người dùng	Email	Tỉnh	Quyền truy cập	Trạng thái	Chi tiết	Kích hoạt
1	Em GiangMM	legiahoang94@gmail.com	Thanh Hóa	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
2	admin	legiahoang@yahoo.com	Thanh Hóa	Quản trị viên	Đã kích hoạt	<input checked="" type="checkbox"/>	
3	Mr Hoang	giahoangth@gmail.com	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	
4	Vũ Văn Quyết	quyettvse03344@gmail.com	Thái Nguyên	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
5	hoanglgse03200	hoanglgse03200@fpt.edu.vn	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	

**Step 2:** Click item edit icon under edit column corresponding with each row(user)

TRẠNG CHỦ BÁO GIÁ TÌM HÀNG CHUYỂN THỐNG KÊ VẬN ĐƠN QUẢN LÝ NGƯỜI DÙNG BÁO CÁO TỪ NGƯỜI DÙNG

**Hỗ trợ tìm kiếm**

Tên người dùng	Từ khóa tên	Email	Từ khóa email
Tỉnh	-lựa chọn-	Quyền truy cập	-lựa chọn-
<input type="button" value="Tim kiếm"/>			

STT	Tên người dùng	Email	Tỉnh	Quyền truy cập	Trạng thái	Chi tiết	Kích hoạt
1	Em GiangMM	legiahoang94@gmail.com	Thanh Hóa	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
2	admin	legiahoang@yahoo.com	Thanh Hóa	Quản trị viên	Đã kích hoạt	<input checked="" type="checkbox"/>	
3	Mr Hoang	gioahoangth@gmail.com	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	
4	Vũ Văn Quyết	quyettvse03344@gmail.com	Thái Nguyên	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
5	hoanglgse03200	hoanglgse03200@fpt.edu.vn	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	

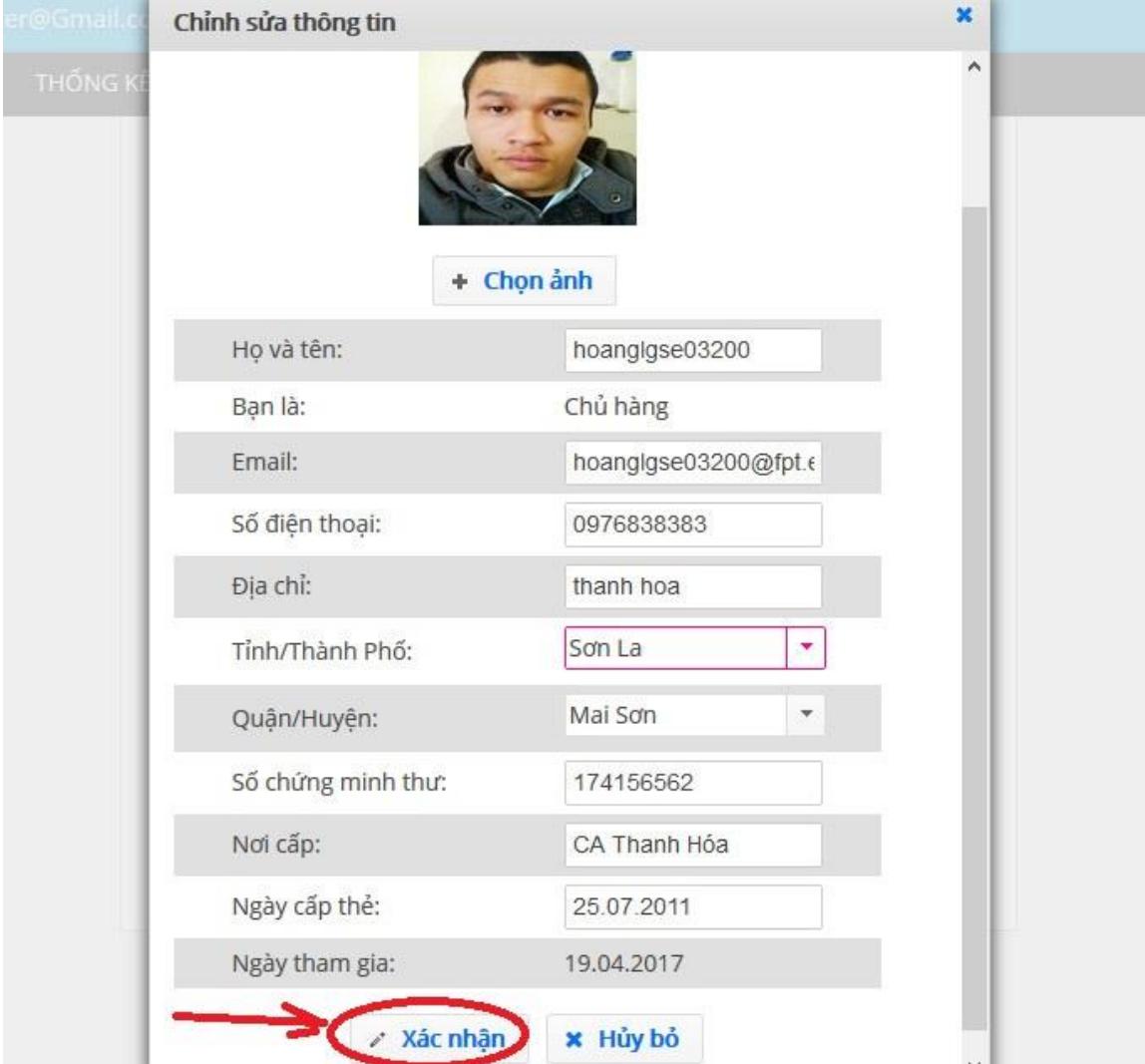
Hiển thị 1 đến 5 trong số 5 bản ghi

**Step 3:** Click “Thay Đổi” in bottom-left of new page.



Họ và tên:	hoanglgse03200
Bạn là:	Chủ hàng
Email:	hoanglgse03200@fpt.edu.vn
Số điện thoại:	0976838383
Địa chỉ:	thanh hoa, Nông Cống, Thanh Hóa
Số chứng minh thư:	174156562
Nơi cấp:	CA Thanh Hóa
Ngày cấp thẻ:	25.07.2011
Ngày tham gia:	19.04.2017
Số dư tài khoản:	0.0(VND) <input type="button" value="Nạp tiền"/>
<input type="button" value="Thay Đổi"/> <input type="button" value="Xác nhận"/>	

**Step 4:** Edit the information that you want to change and then click “Xác nhận”



er@Gmail.co **Chỉnh sửa thông tin**

THỐNG KÊ

Họ và tên: hoanglgse03200

Bạn là: Chủ hàng

Email: hoanglgse03200@fpt.e

Số điện thoại: 0976838383

Địa chỉ: thanh hoa

Tỉnh/Thành Phố: Sơn La

Quận/Huyện: Mai Sơn

Số chứng minh thư: 174156562

Nơi cấp: CA Thanh Hóa

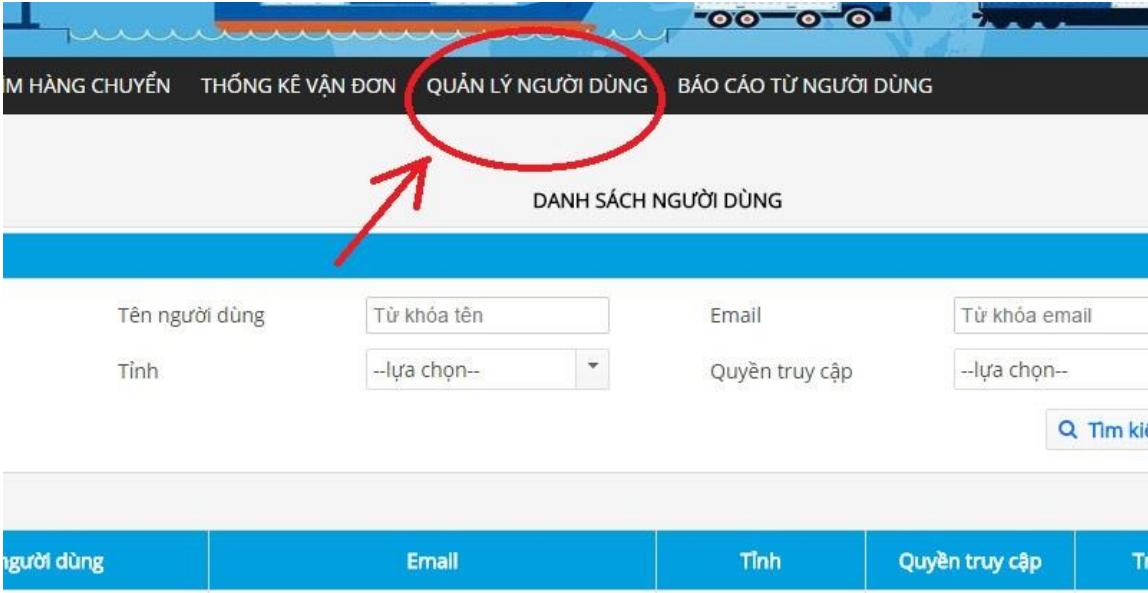
Ngày cấp thẻ: 25.07.2011

Ngày tham gia: 19.04.2017

**Xác nhận** **Hủy bỏ**

#### 6.2.4.2.7 Edit company information

**Step 1:** Admin open “Quản lý người dùng” page by click “QUẢN LÝ NGƯỜI DÙNG” in navigation bar.



M HÀNG CHUYỂN THỐNG KÊ VẬN ĐƠN QUẢN LÝ NGƯỜI DÙNG BÁO CÁO TỪ NGƯỜI DÙNG

DANH SÁCH NGƯỜI DÙNG

Tên người dùng  Email   
Tỉnh  Quyền truy cập

**Tìm kiếm**

người dùng	Email	Tỉnh	Quyền truy cập	Tr
------------	-------	------	----------------	----

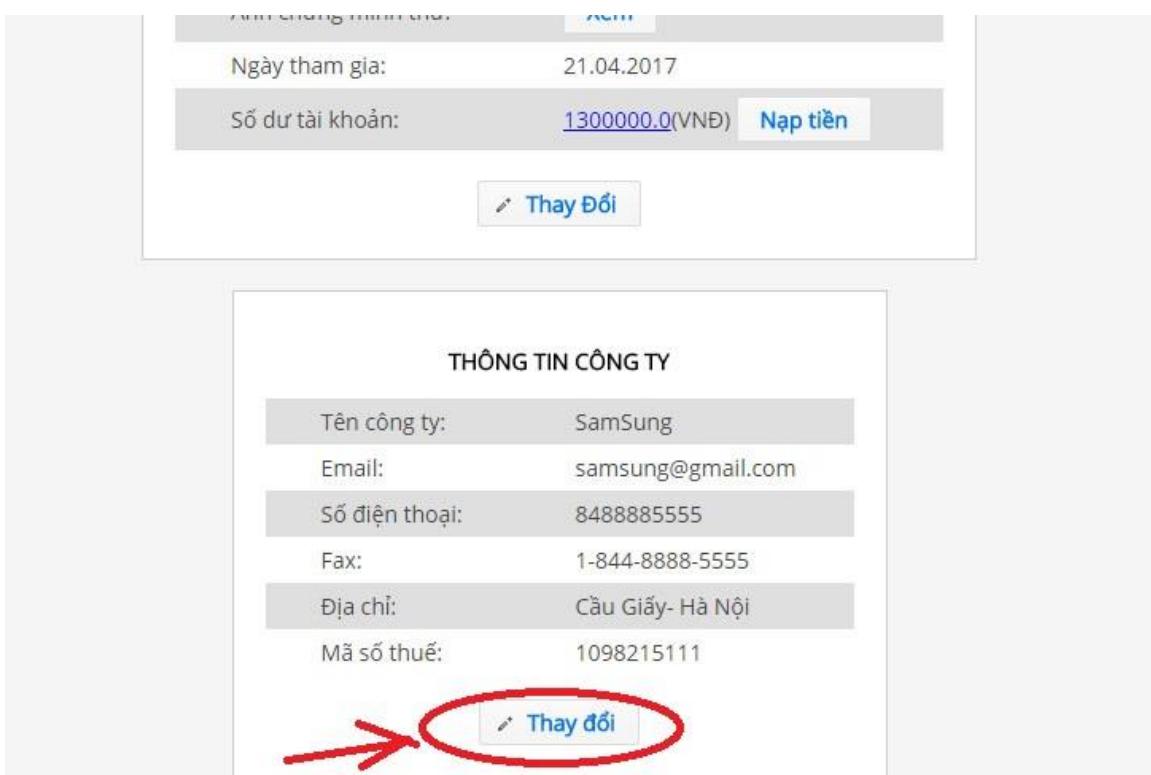
**Step 2:** Click edit icon in the end of row that corresponding with user account to view detail



A screenshot of a web-based application showing a list of users. The table has columns: Tỉnh (Province), Quyền truy cập (Access Rights), Trạng thái (Status), Chi tiết (Details), and Kích hoạt (Activate). The last row, representing a user from Thái Nguyên, has an edit icon (pencil icon) in the 'Chi tiết' column, which is circled in red with a red arrow pointing to it from below.

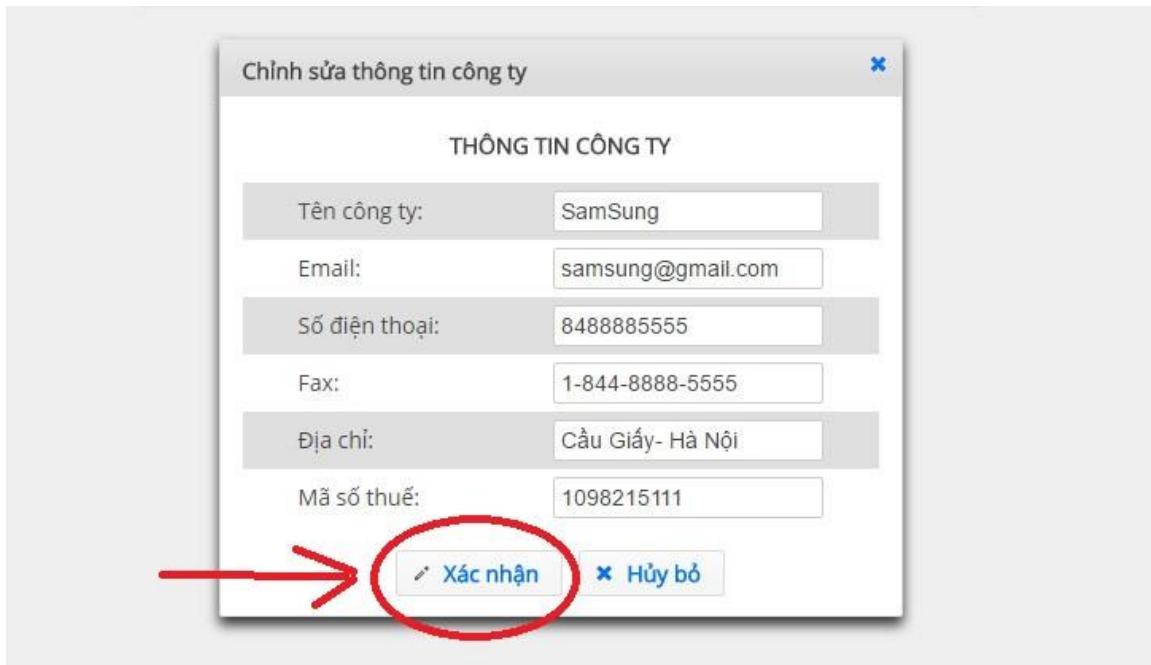
	Tỉnh	Quyền truy cập	Trạng thái	Chi tiết	Kích hoạt
	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	
	Thanh Hóa	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
	Hà Nội	Quản trị viên	Đã kích hoạt	<input checked="" type="checkbox"/>	
	Hà Nội	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	
	Thái Nguyên	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	

**Step 3:** Click “Thay đổi” button at bottom of new page



The image contains two screenshots of a web application. The top screenshot shows a user profile with fields: Ngày tham gia (Join date: 21.04.2017), Số dư tài khoản (Account balance: 1300000.0(VND)), and a **Nạp tiền** (Top up) button. Below this is a **Thay đổi** (Change) button. The bottom screenshot shows a 'THÔNG TIN CÔNG TY' (Company Information) form with fields: Tên công ty (Company name: SamSamsung), Email (Email: samsung@gmail.com), Số điện thoại (Phone number: 8488885555), Fax (Fax: 1-844-8888-5555), Địa chỉ (Address: Cầu Giấy- Hà Nội), and Mã số thuế (Tax ID: 1098215111). A red arrow points to the **Thay đổi** button in this form.

**Step 4:** Enter information that you want to change, then click “Xác nhận”



#### 6.2.4.2.8 Active user

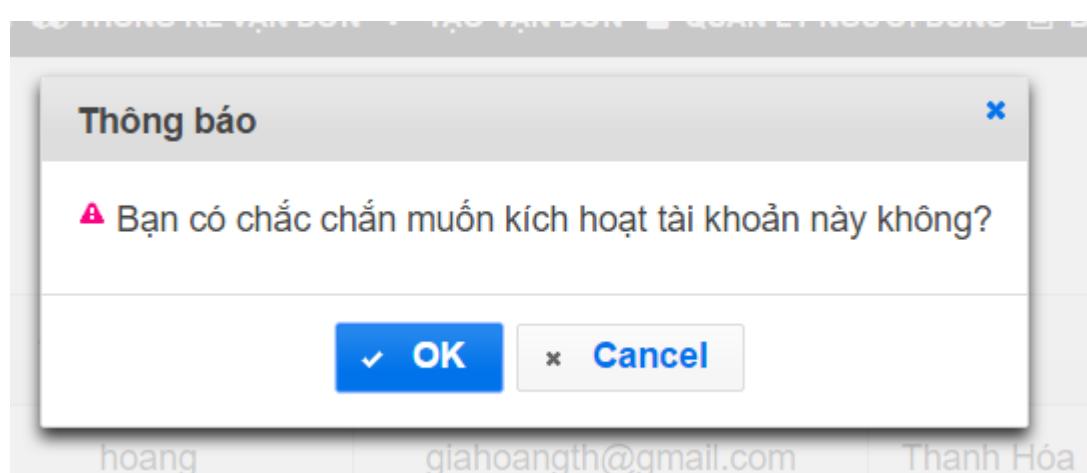
**Step 1:** Go to the “QUẢN LÍ NGƯỜI DÙNG” page by click “QUẢN LÍ NGƯỜI DÙNG” in the navigation bar.

STT	Tên người dùng	Email	Tỉnh	Quyền truy cập	Trạng thái	Chi tiết	Kích hoạt
1	Em GiangMM	legiahoang94@gmail.com	Thanh Hóa	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
2	admin	legiahoang@yahoo.com	Thanh Hóa	Quản trị viên	Đã kích hoạt	<input checked="" type="checkbox"/>	
3	Mr Hoang	gjahoangth@gmail.com	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	
4	Vũ Văn Quyết	quyettvse03344@gmail.com	Thái Nguyên	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
5	hoanglgse03200	hoanglgse03200@fpt.edu.vn	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	

**Step 2:** Click “lock” icon under “Kích hoạt” column corresponding with each row(user)

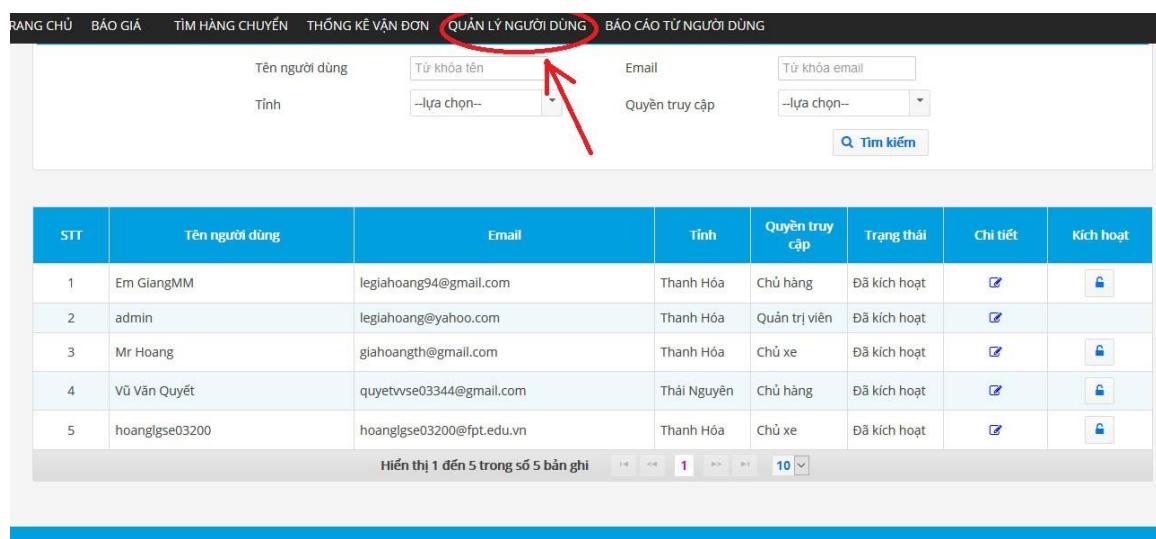
STT	Tên người dùng	Email	Tỉnh	Quyền truy cập	Trạng thái	Chi tiết	Kích hoạt
1	Em GiangMM	legiahoang94@gmail.com	Thanh Hóa	Chủ hàng	Ngưng kích hoạt	<input checked="" type="checkbox"/>	
2	admin	legiahoang@yahoo.com	Thanh Hóa	Quản trị viên	Đã kích hoạt	<input checked="" type="checkbox"/>	
3	Mr Hoang	giahoangth@gmail.com	Thanh Hóa	Chủ xe	Ngưng kích hoạt	<input checked="" type="checkbox"/>	
4	Vũ Văn Quyết	quyettvse03344@gmail.com	Thái Nguyên	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
5	hoanglgse03200	hoanglgse03200@fpt.edu.vn	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	

### Step 3: click “OK” in new Pop-up.



#### 6.2.4.2.9 Deactivate user

**Step 1:** Go to the “QUẢN LÍ NGƯỜI DÙNG” page by click “QUẢN LÍ NGƯỜI DÙNG” in the navigation bar.



**Step 2:** Click “lock” icon under “Kích hoạt” column corresponding with each row(user)

STT	Tên người dùng	Email	Tỉnh	Quyền truy cập	Trạng thái	Chi tiết	Kích hoạt
1	hoang	gioahoangth@gmail.com	Thanh Hóa	Chủ xe	Đã kích hoạt	<input checked="" type="checkbox"/>	
2	giang	legiahoang94@gmail.com	Bắc Giang	Chủ hàng	Đã kích hoạt	<input checked="" type="checkbox"/>	
3	admin	legiahoang@yahoo.com	Bắc Kạn	Quản trị viên	Đã kích hoạt	<input checked="" type="checkbox"/>	

**Step 3:** click “OK” in new Pop-up.

#### 6.2.4.3 Fee list

##### 6.2.4.3.1 View fee list

To view fee list, Admin click on “BÁO GIÁ” in navigation bar then click “HỆ THỐNG” as image below

STT	Chi Phi	Mã	Giá	Mô Tả	EDIT
1	Tiền cọc đăng vận đơn	C001	10.0 (%)	Tiền cọc khi chủ hàng đăng vận đơn. Tính theo 10% giá trân.	<input checked="" type="checkbox"/>
2	Tiền cọc đặt thầu	C002	10.0 (%)	Tiền cọc khi chủ xe đặt thầu vận đơn. Tính theo 10% tiền đặt thầu.	<input checked="" type="checkbox"/>
3	Phi đăng vận đơn	F001	10,000(VND)	Phi khi chủ hàng đăng vận đơn.	<input checked="" type="checkbox"/>
4	Phi đấu thầu	F002	10,000(VND)	Phi khi chủ xe đấu thầu vận đơn.	<input checked="" type="checkbox"/>

#### 6.2.4.3.2 View fee table history

**Step 1:** Admin click on “BÁO GIÁ” in navigation bar, then click “HỆ THỐNG” as image below

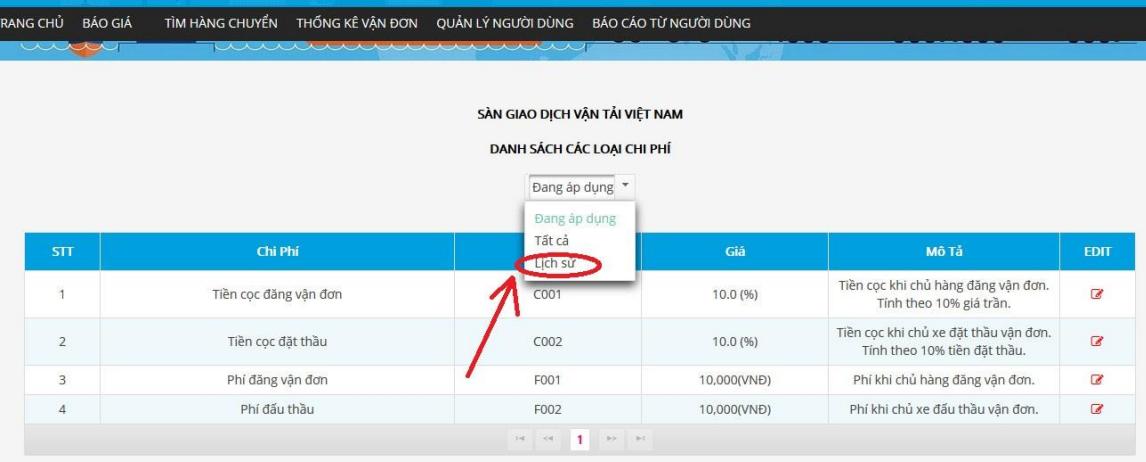


SÂN GIAO DỊCH VẬN TẢI VIỆT NAM

DANH SÁCH CÁC LOẠI CHI PHÍ

STT	Chi Phi	Mã	Giá	Mô Tả	EDIT
1	Tiền cọc đăng vận đơn	C001	10.0 (%)	Tiền cọc khi chủ hàng đăng vận đơn. Tính theo 10% giá trân.	<input checked="" type="checkbox"/>
2	Tiền cọc đặt thầu	C002	10.0 (%)	Tiền cọc khi chủ xe đặt thầu vận đơn. Tính theo 10% tiền đặt thầu.	<input checked="" type="checkbox"/>
3	Phi đăng vận đơn	F001	10,000(VND)	Phi khi chủ hàng đăng vận đơn.	<input checked="" type="checkbox"/>
4	Phi đấu thầu	F002	10,000(VND)	Phi khi chủ xe đấu thầu vận đơn.	<input checked="" type="checkbox"/>

**Step 2:** In bottom of new page, select drop-down list and choose “Lịch sử” to see fee table history



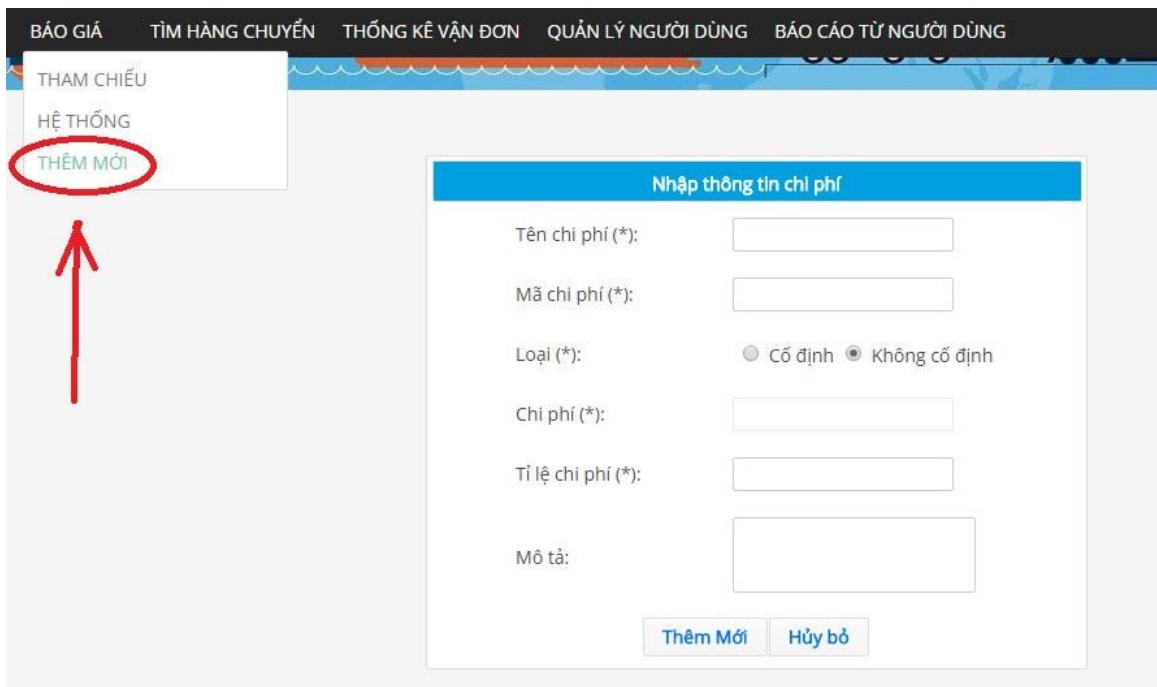
SÂN GIAO DỊCH VẬN TẢI VIỆT NAM

DANH SÁCH CÁC LOẠI CHI PHÍ

STT	Chi Phi	Mã	Giá	Mô Tả	EDIT
1	Tiền cọc đăng vận đơn	C001	10.0 (%)	Tiền cọc khi chủ hàng đăng vận đơn. Tính theo 10% giá trân.	<input checked="" type="checkbox"/>
2	Tiền cọc đặt thầu	C002	10.0 (%)	Tiền cọc khi chủ xe đặt thầu vận đơn. Tính theo 10% tiền đặt thầu.	<input checked="" type="checkbox"/>
3	Phi đăng vận đơn	F001	10,000(VND)	Phi khi chủ hàng đăng vận đơn.	<input checked="" type="checkbox"/>
4	Phi đấu thầu	F002	10,000(VND)	Phi khi chủ xe đấu thầu vận đơn.	<input checked="" type="checkbox"/>

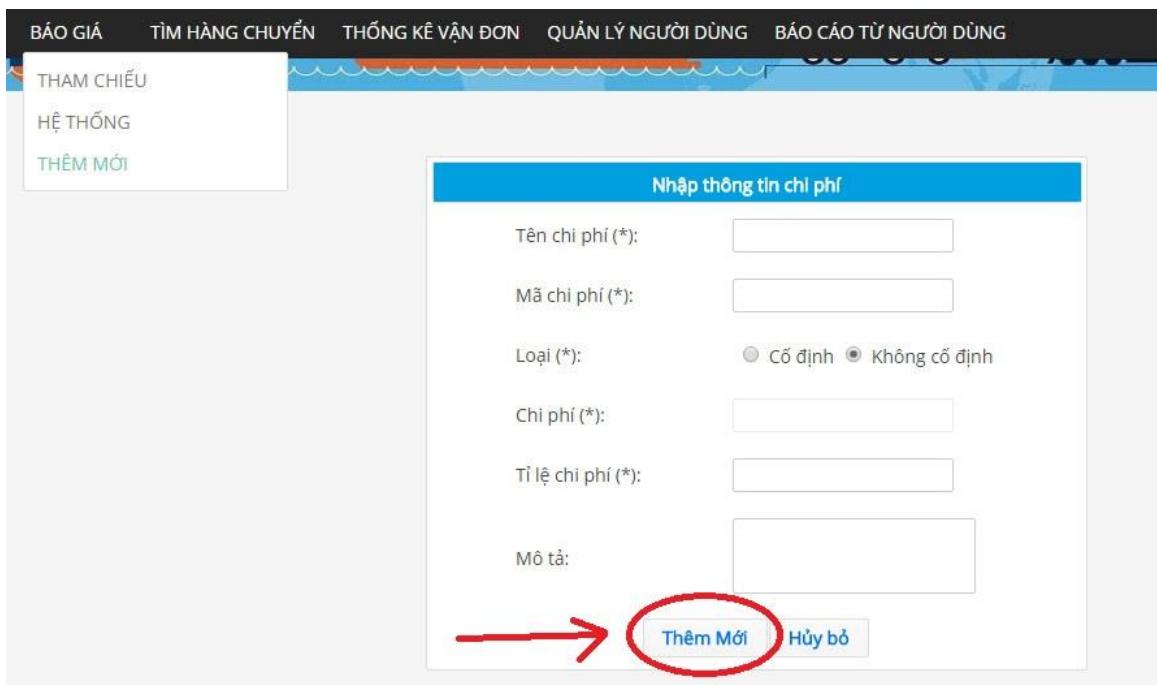
#### 6.2.4.3.3 Add a new fee

**Step 1:** Admin click on “BÁO GIÁ” in navigation bar then click “THÊM MỚI” as image below



The screenshot shows a software interface with a navigation bar at the top containing links: BÁO GIÁ, TÌM HÀNG CHUYỂN, THỐNG KÊ VẬN ĐƠN, QUẢN LÝ NGƯỜI DÙNG, and BÁO CÁO TỪ NGƯỜI DÙNG. A sidebar on the left has links: THAM CHIẾU, HỆ THỐNG, and THÊM MỚI. The 'THÊM MỚI' link is circled in red. A large red arrow points upwards from below, indicating the user should click on 'THÊM MỚI'. A modal window titled 'Nhập thông tin chi phí' (Enter fee information) is open, containing fields for: Tên chi phí (\*), Mã chi phí (\*), Loại (\*), Chi phí (\*), Tỉ lệ chi phí (\*), and Mô tả. At the bottom of the modal are two buttons: 'Thêm Mới' (highlighted with a red circle) and 'Hủy bỏ'.

**Step 2:** Enter information into the form, then click “Thêm Mới”.



The screenshot shows the same software interface as the previous one. The 'THÊM MỚI' link in the sidebar is now highlighted with a red circle. A large red arrow points to the 'Thêm Mới' button in the 'Nhập thông tin chi phí' modal window, indicating the user should click it to add new fee information.

#### 6.2.4.3.4 Edit reference fee

**Step 1:** Open reference fee screen by click on “BÁO GIÁ” in navigation bar then click “THAM CHIẾU” as image below



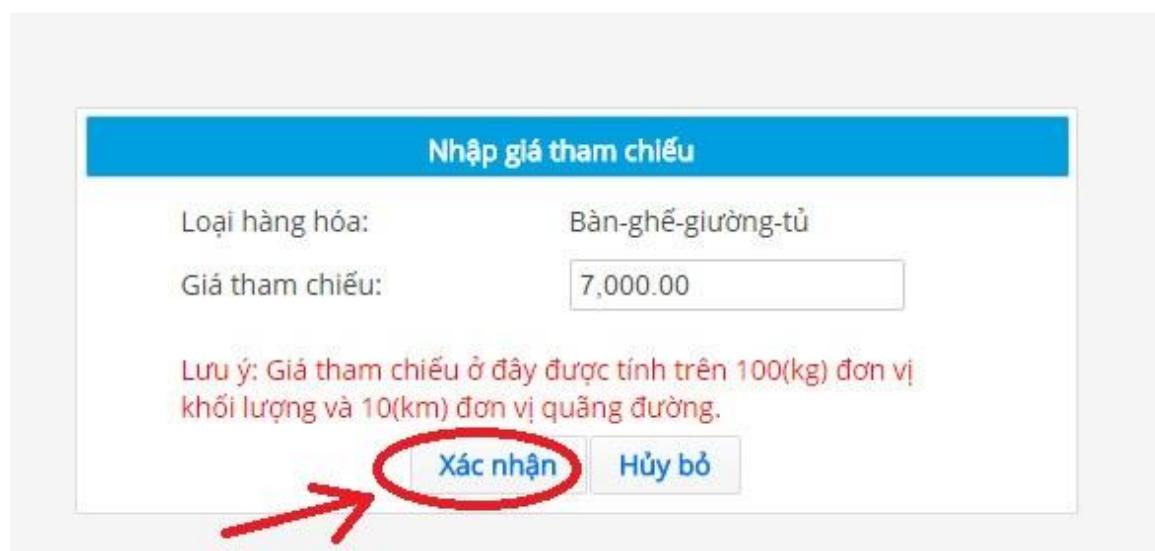
BẢNG GIÁ THAM CHIẾU CHI PHÍ VẬN CHUYỂN						
STT	Loại hàng	Khối lượng	Quãng đường	Giá tham chiếu (VND)	EDIT	
1	Bàn-ghế-giường-tủ	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
2	Đồ uống	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
3	Động vật	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
4	Hàng điện tử	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
5	Hóa chất	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
6	Hoa quả	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
7	Kim loại - nguyên liệu	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
8	Máy móc - cơ khí	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	

**Step 2:** Open detail reference free by click icon edit at the end of row that corresponding to each reference fee



Quãng đường	Giá tham chiếu (VND)	EDIT
10 (km)	7,000	<input checked="" type="checkbox"/>
10 (km)	3,000	<input checked="" type="checkbox"/>
10 (km)	3,000	<input checked="" type="checkbox"/>
10 (km)	4,000	<input checked="" type="checkbox"/>
10 (km)	3,000	<input checked="" type="checkbox"/>
10 (km)	8,000	<input checked="" type="checkbox"/>
10 (km)	22,000	<input checked="" type="checkbox"/>
10 (km)	36,000	<input checked="" type="checkbox"/>
10 (km)	9,000	<input checked="" type="checkbox"/>

**Step 3:** Enter information that you want to change, then click “Xác nhận” to finish..



**Nhập giá tham chiếu**

Loại hàng hóa:	Bàn-ghế-giường-tủ
Giá tham chiếu:	7,000.00

Lưu ý: Giá tham chiếu ở đây được tính trên 100(kg) đơn vị  
 khối lượng và 10(km) đơn vị quãng đường.

## 6.2.4.3.5 Edit fee list

**Step 1:** Admin click on “BÁO GIÁ” in navigation bar then click “HỆ THỐNG” as image below

STT	Chi Phi	Mã	Giá	Mô Tả	EDIT
1	Tiền cọc đăng vận đơn	C001	10.0 (%)	Tiền cọc khi chủ hàng đăng vận đơn. Tính theo 10% giá trân.	<input checked="" type="checkbox"/>
2	Tiền cọc đặt thầu	C002	10.0 (%)	Tiền cọc khi chủ xe đặt thầu vận đơn. Tính theo 10% tiền đặt thầu.	<input checked="" type="checkbox"/>
3	Phí đăng vận đơn	F001	10,000(VND)	Phí khi chủ hàng đăng vận đơn.	<input checked="" type="checkbox"/>
4	Phí đấu thầu	F002	10,000(VND)	Phí khi chủ xe đấu thầu vận đơn.	<input checked="" type="checkbox"/>

**Step 2:** Click “edit” icon under EDIT column corresponding with each user(row). Admin will be redirected to edit page

STT	Chi Phi	Mã	Giá	Mô Tả	EDIT
1	Tiền cọc đăng vận đơn	C001	10.0 (%)	Tiền cọc khi chủ hàng đăng vận đơn. Tính theo 10% giá trân.	<input checked="" type="checkbox"/>
2	Tiền cọc đặt thầu	C002	10.0 (%)	Tiền cọc khi chủ xe đặt thầu vận đơn. Tính theo 10% tiền đặt thầu.	<input checked="" type="checkbox"/>
3	Phí đăng vận đơn	F001	10,000(VND)	Phí khi chủ hàng đăng vận đơn.	<input checked="" type="checkbox"/>
4	Phí đấu thầu	F002	10,000(VND)	Phí khi chủ xe đấu thầu vận đơn.	<input checked="" type="checkbox"/>

**Step 3:** Enter information, then click “Xác nhận” to save changes.

**Nhập thông tin chi phí**

Tên chi phí (*):	Phí đầu thầu
Mã chi phí (*):	F002
Loại (*):	<input checked="" type="radio"/> Cố định <input type="radio"/> Không cố định
Chi phí (*):	10,000
Tỉ lệ chi phí (*):	
Mô tả:	Phí khi chủ xe đầu thầu vận đơn.
 <b>Xác nhận</b> <b>Hủy bỏ</b>	

#### 6.2.4.3.6 View reference fee

To view Reference fee, Admin click on “BÁO GIÁ” in navigation bar then click “THAM CHIẾU” as image below



BẢNG GIÁ THAM CHIẾU CHI PHÍ VẬN CHUYỂN						
STT	Loại hàng	Khối lượng	Quãng đường	Giá tham chiếu (VND)	EDIT	
1	Bàn-ghế-giường-tủ	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
2	Đồ uống	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
3	Động vật	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
4	Hàng điện tử	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
5	Hóa chất	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
6	Hoa quả	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
7	Kim loại - nguyên liệu	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
8	Máy móc - cơ khí	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	
...	...	100 (kg)	10 (km)	10,000	<input checked="" type="checkbox"/>	

#### 6.2.4.4 Transaction history

To view transaction history Admin have to hover mouse Name of Admin in Top Rightmost corner, then click “Thông tin giao dịch”

The screenshot shows the platform's header with contact information (01669-775-349, CarrierTradingCenter@gmail.com) and user status (Admin, admin, Đăng xuất). A red circle highlights the 'Thông tin giao dịch' (Transaction Information) option in the dropdown menu, which is also circled in the image. The main content area displays 'THÔNG TIN VỀ TÀI KHOẢN' (Account Information) with a table showing a single row for 'admin' with a balance of 50,000,000 VND.

#### 6.2.4.5 Manage report

##### 6.2.4.5.1 View report list

Admin can see a list of reports by going to “BÁO CÁO TỪ NGƯỜI DÙNG” page by click “BÁO CÁO TỪ NGƯỜI DÙNG” in the navigation bar.

The screenshot shows the navigation bar with the 'BÁO CÁO TỪ NGƯỜI DÙNG' (Report from User) option circled in red and highlighted with a red arrow. The main content area displays 'THÔNG TIN VỀ TÀI KHOẢN' (Account Information) with a table showing a single row for 'admin' with a balance of 50,000,000 VND.

##### 6.2.4.5.2 Search report

**Step 1:** Go to to “BÁO CÁO TỪ NGƯỜI DÙNG” page by click “BÁO CÁO TỪ NGƯỜI DÙNG” in the navigation bar.

The screenshot shows the navigation bar with the 'BÁO CÁO TỪ NGƯỜI DÙNG' (Report from User) option circled in red and highlighted with a red arrow. The main content area displays 'THÔNG TIN VỀ TÀI KHOẢN' (Account Information) with a table showing a single row for 'admin' with a balance of 50,000,000 VND. A red arrow points to the search input field at the top center of the page.

**Step 2:** Enter filter value into form at top-center of page, then click “Tìm kiếm”

STT	Tài khoản	Tên	Thời gian gửi	Tiêu đề báo cáo	Trả lời
1	giahoangth@gmail.com	Mr Hoang	2017-04-13 10:18:12.0	chu hang tao bao	<input checked="" type="checkbox"/>
2	giahoangth@gmail.com	Mr Hoang	2017-04-18 14:00:29.0	tao moi	<input type="checkbox"/>

#### 6.2.4.5.3 Response report

**Step 1:** Go to to “BÁO CÁO TỪ NGƯỜI DÙNG” page by click “BÁO CÁO TỪ NGƯỜI DÙNG” in the navigation bar.

STT	Tài khoản	Tên	Thời gian gửi	Tiêu đề báo cáo	Trả lời
1	giahoangth@gmail.com	Mr Hoang	2017-04-13 10:18:12.0	chu hang tao bao	<input checked="" type="checkbox"/>
2	giahoangth@gmail.com	Mr Hoang	2017-04-18 14:00:29.0	tao moi	<input type="checkbox"/>

**Step 2:** Click underline text under column “Tiêu đề báo cáo” corresponding with each Report to open Detail Report page

STT	Tài khoản	Tên	Thời gian gửi	Tiêu đề báo cáo	Trả lời
1	giahoangth@gmail.com	Mr Hoang	2017-04-13 10:18:12.0	chu hang tao bao	<input checked="" type="checkbox"/>
2	giahoangth@gmail.com	Mr Hoang	2017-04-18 14:00:29.0	tao moi	<input type="checkbox"/>

**Step 3:** Enter information into text are besides “Nội dung” title, then click “Phản hồi”

tao moi

Người gửi: Mr Hoang

Tài khoản người gửi: giohoangth@gmail.com

Người nhận: Ban Quản trị trang web Carrier Trading Center

Ngày gửi: 2017-04-18 14:00:29.0

Câu hỏi từ người dùng: cau hoi

Mong muốn xử lý: mong muon

Nội dung: noi dung

Phản hồi:   
đề nghị bạn gửi câu hỏi rõ ràng hơn

Phản hồi Quay lại

#### 6.2.4.6 Manage profile

##### 6.2.4.6.1 View profile

To view profile, Admin hover mouse over Admin name in top-right corner and click “Thông tin cá nhân”, after that Carrier will be redirected to page with title “Thông tin người dùng”

Thông tin cá nhân

Thông tin giao dịch

Nạp tiền tài khoản

Thay đổi mật khẩu

BÁO CÁO TỪ NGƯỜI DÙNG

BÁO CÁO CHI TIẾT

Hoang

giohoangth@gmail.com

Quản trị trang web Carrier Trading Center

7-04-18 14:00:29.0

hoi

ng muon

dung

nghị bạn gửi câu hỏi rõ ràng hơn

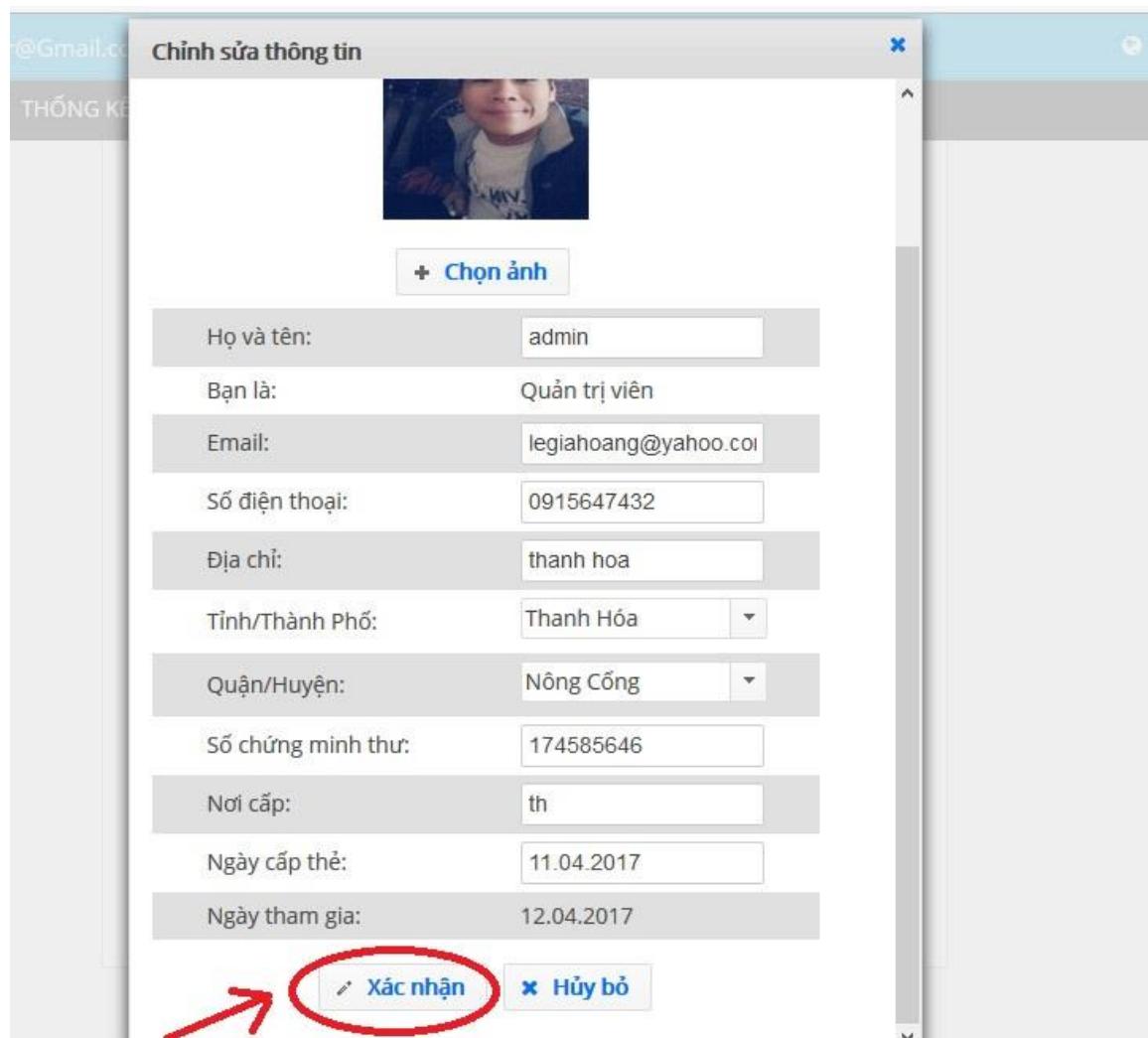
##### 6.2.4.6.2 Edit profile

**Step 1:** View Profile as 6.2.4.6.1

**Step 2:** Click “Thay Đổi” in a new page as the image below:

THÔNG TIN CÁ NHÂN	
	
Họ và tên:	admin
Bạn là:	Quản trị viên
Email:	legiahoang@yahoo.com
Số điện thoại:	0915647432
Địa chỉ:	thanh hoa, Nông Cống, Thanh Hóa
Số chứng minh thư:	174585646
Nơi cấp:	th
Ngày cấp thẻ:	11.04.2017
Ngày tham gia:	12.04.2017
Số dư tài khoản:	<u>5.0E7(VND)</u>
<a href="#" style="color: blue; text-decoration: underline;">Thay Đổi</a>	

**Step 3:** Enter information in new pop-up appear, the click “Lưu Thay Đổi”



#### 6.2.4.6.3 Forget password

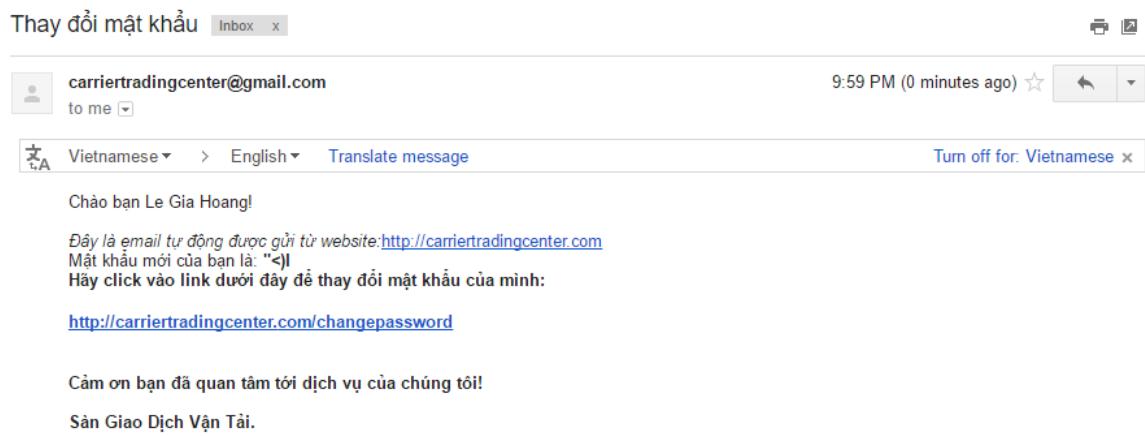
**Step 1:** To be able to reset your Password, go to the “Đăng nhập” page and click “Quên mật khẩu” under the Login form



**Step 2:** Enter your email address, then click “Gửi”



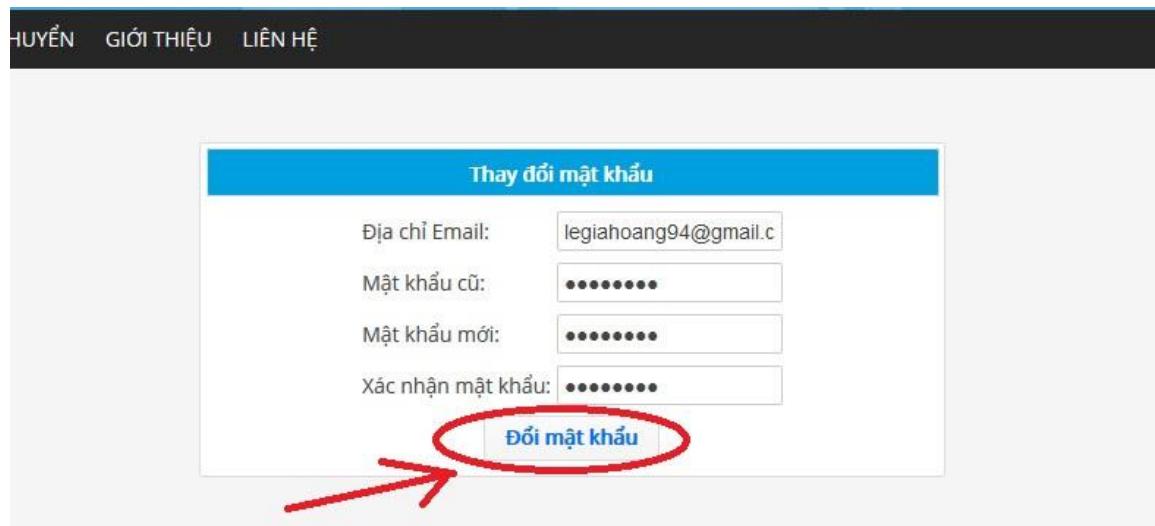
**Step 3:** Open your mailbox to get temporary password



**Step 4:** Open the link

<https://carriertradingcenter.com/CEX/faces/xhtml/Users/ResetPasswod.xhtml> and enter the information to change to new *Strong Password*

Pay attention to: “Mật khẩu cũ” already provided within your email.



#### 6.2.4.6.4 Change password

A *Strong Password* is defined as a password that is reasonably difficult to guess in a short period of time either through human guessing or the use of specialized software.

A Strong password should:

- Be at least 6 characters in length
- Contain both upper and lowercase alphabetic characters (e.g. A-Z, a-z)
- Have at least one numerical character (e.g. 0-9)
- Have at least one special character (e.g. ~!@#\$%^&\*()\_-+=)

To change any user's password you must specify a *Strong Password*

**Step 1:** Hover mouse over Admin name in the top-right corner and select “Thay đổi mật khẩu” to go to “Thay đổi mật khẩu” page.



**Step 2:** Input your old password and a new *Strong Password*

**Step 3:** Click “Đổi mật khẩu” to save the new *Strong Password*

#### 6.2.4.7 Login

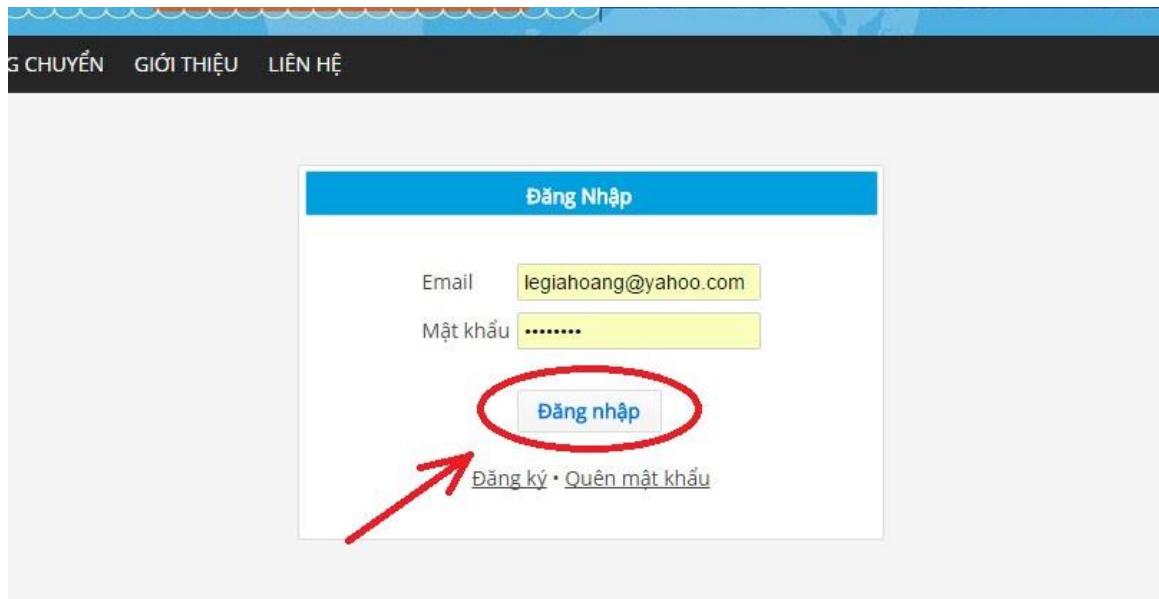
**Step1:** Open home page with link

<https://carriertradingcenter.com/CEX/faces/xhtml/Home.xhtml>

**Step2:** Click “Đăng Nhập” at top right most corner of screen



**Step3:** Input your Admin's email and password then click “Đăng Nhập”



#### 6.2.4.8 Logout

To log out, Carrier has to click “Đăng Xuất” at top right corner screen.



## 6.3 Project result report

### 6.3.1 Product Judging

#### 6.3.1.1 Advantage of CTC system

- As a Trading Center Online: Carrier Trading Center does not simply allow Goods Owner to ship goods and connect with Carrier. CTC is a form of the online auction website. Each user will be granted a trading account, users can recharge through the payment gateway, or recharge directly with the system
- **Safety:** Users will be bound to participate when user join the auction. When posting or bidding for a bill of lading, the user will pay a posting fee with a deposit to secure. If a user cancels a bid, he or she will be subject to a penalty, which may result in a loss of the deposit. When the user confirms completion of the transaction, the full deposit will be refunded.
- **Fairness:** Car owners and owners can only connect when successful order matching. This means that after successfully bidding (with the lowest fee and the earliest time), it is possible to connect with the Goods owner. The system only has a detention function that does not involve the bidding process.
- **Reference Fee:** The CTC system will list a bill of lading by type of goods, and will provide the closest reference fee to the fee on the CTC. Help Carrier, as well as Goods Owner, get a reasonable fee to consult with their transactions. The CTC system will automatically update reference fees after fixed amount of time.

#### 6.3.1.2 Current Limitations

- Doesn't support mobile version for people using mobile yet.
- Guest cannot have a live chat with supporter of CTC
- Language used is only Vietnamese

#### 6.3.1.3 Expectation in the future

- Develop more functionalities for Carrier, Goods Owner, Admin.
- Provide CTC version in mobile
- Develop live chat functionality between user with supporter of CTC
- Develop functionality allow users to be able to change between English and Vietnamese.

### 6.3.2 Project Summary

Project title	CTC
Project advisor	Mr Nguyen Van Sang
<b>committers: 5</b>	

1	Project manager	Lê Văn Dương	<a href="mailto:duonglvse03290@fpt.edu.vn">duonglvse03290@fpt.edu.vn</a>
2	Technical Leader, Developer	Vũ Văn Quyết	<a href="mailto:guyetvvse03344@fpt.edu.vn">guyetvvse03344@fpt.edu.vn</a>
3	Designer, Tester, Developer	Đặng Lê Tuấn	<a href="mailto:tuandlse03807@fpt.edu.vn">tuandlse03807@fpt.edu.vn</a>
4	Tester Leader, QA	Trịnh Đình Quyết	<a href="mailto:guyettdse03159@fpt.edu.vn">guyettdse03159@fpt.edu.vn</a>
5	Developer	Lê Gia Hoàng	<a href="mailto:hoanglgse03200@fpt.edu.vn">hoanglgse03200@fpt.edu.vn</a>
<b>Main objective</b>		Create a web application that connect Goods Owner and Carrier with to minimize transportation costs.	
<b>Purpose</b>		Create a new system in circumstance there is no similar system exists.	
Items	Plan	Actual	
Release date	05 May 2017	05 May 2017	
Release version	1.0	1.0	
Days	105	105	
Weeks	16	16	
Months	4	4	
Test cases + checklists		2919	
Documentation pages		462	
Lines of code		Approximately 22809	

Table 6.3.1: CTC project summary

### 6.3.3 Lessons Learnt

#### 6.3.3.1 Technical skill

- ✓ Programming languages: Java, Javascript
- ✓ Knowing how to deploy website on Amazon Web Service with setting up domain, SSL
- ✓ Learned how to write software documentations and used tools as Astah, Microsoft Project, Word, Excel, Redmine more efficiently
- ✓ Gain knowledge using Version control systems: Git, SVN

- ✓ Understand software architecture, software testing

### 6.3.3.2 Project management skill

- ✓ **Scheduling:** We have to create a plan for weekly to ensure the project will reach its goal at fixed time. All member always have tasks to finish.
- ✓ **Time management:** Typically working in specific task took longer time than we supposed. Because of that, we set priority to each task and these tasks with height priority will finish first.
- ✓ **Task management:** Task will be assigned via Gmail to each one depend on each team member characteristic and preferences.
- ✓ **Meetings management:** Via Gmail, Messenger all member of the team will know meeting time, address. Therefore, we go to meeting with preparation. In meetings, we always note the information that seems difficult to memorable.

### 6.3.3.3 Soft skill

- ✓ **Critical thinking:** To take the best solution or choices, we consider in a thoughtful way the problems and subjects that come with a range of one's experiences and then we choose the best solutions among all one's idea.
- ✓ **Decision making:** Decision making is hard. We have to take a decision in a lot of question that rising while doing the project like who doing this task, why website display something like this, instead of like that...blah.
- ✓ **Problems solving:** We using search from google a lot, reading StackOverflow answer, discussion with other's team member to find a solution to each specific problem.
- ✓ **Motivating:** Each one have to do different task, somethings it's quite hard to finish at the right time, and we always motivate other go get through difficult situation.
- ✓ **Communicating:** We communicate a lot via daily meeting, messenger.
- ✓ **Managing expectations:** We want to make a lot of future in this capstone, but time is limited. There fore we have to keep balance between our expectation and the time we actually have.