



# Capstone Project Document

## SUPER SHIPPER SYSTEM Software Requirement Specification

<b>Super Shipper System</b>		
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## TABLE OF CONTENTS

<b>1. FUNCTIONAL REQUIREMENTS .....</b>	<b>2</b>
1.1. Web application for Admin .....	2
1.1.1. User Case Diagram .....	2
1.1.2. Functions .....	3
<i>UC-101: Login .....</i>	3
<i>UC-102: Logout .....</i>	5
<i>UC-103: Change password.....</i>	6
<i>UC-104: Forgot password.....</i>	9
<i>UC- 105: Accept Store.....</i>	11
<i>UC- 106: Search Store.....</i>	14
<i>UC- 107: View Store's list.....</i>	16
<i>UC- 108: Block and Unblock store.....</i>	18
<i>UC- 109: View Store's details .....</i>	20
<i>UC- 110: Send message to Store.....</i>	22
<i>UC- 111: Confirm Store's payment.....</i>	24
<i>UC- 112: View transaction history of Store.....</i>	27
<i>UC- 113: Add Shipper.....</i>	29
<i>UC- 114: View Shipper's list.....</i>	31
<i>UC- 115: View Order's list .....</i>	33
<i>UC- 117: Search Shipper .....</i>	35
<i>UC- 117: Search Order.....</i>	37
<i>UC- 118: View Shipper's profile.....</i>	39
<i>UC- 119: View Order's details .....</i>	41
<i>UC- 120: Update Shipper.....</i>	43
<i>UC- 121: Update Order.....</i>	45
<i>UC- 122: Add new Order.....</i>	47
<i>UC- 123: Export Bill.....</i>	49
<i>UC- 124: Assign Task.....</i>	51
<i>UC- 125: View Dashboard.....</i>	53
1.2. Web application for Store .....	55
1.2.1. User Case Diagram .....	55
1.2.2. Function .....	56
<i>UC-201: Register.....</i>	56
<i>UC-202: Login .....</i>	59
<i>UC-203: Logout .....</i>	61
<i>UC-204: Change password.....</i>	63
<i>UC-205: Forgot password.....</i>	66
<i>UC-206: View profile.....</i>	68
<i>UC-207: Update profile.....</i>	69
<i>UC-208: Create order.....</i>	72
<i>UC-209: View order's list .....</i>	75
<i>UC-210: Search orders .....</i>	76
<i>UC-211: Cancel order.....</i>	78
<i>UC-212: Edit Order.....</i>	80
<i>UC- 213: Order's details.....</i>	83
<i>UC-214: View payment history.....</i>	84
<i>UC-215: View notifications.....</i>	85
<i>UC-216: Rate shipper.....</i>	87
<i>UC-217: Send feedback .....</i>	89
<i>UC-218: View Homepage .....</i>	91

1.3. Mobile application for Shipper .....	93
1.3.1. User Case Diagram .....	93
1.3.2. Function .....	94
<i>UC-301: Login</i> .....	94
<i>UC-302: Logout</i> .....	97
<i>UC-303: Forgot password</i> .....	99
<i>UC-304: Change password</i> .....	102
<i>UC-305: View Profile</i> .....	105
<i>UC-306: Update Profile</i> .....	107
<i>UC-307: Confirm Code</i> .....	109
<i>UC-308: Grab order</i> .....	112
<i>UC309: View Orders List</i> .....	115
<i>UC310: Search Order</i> .....	117
<i>UC311: View Order's Detail</i> .....	119
<i>UC312: Find Best Way</i> .....	121
<i>UC313 Send Issue's Information</i> .....	124
<i>UC314 Change Working Status</i> .....	126
<i>UC315 View History</i> .....	129
2. NON – FUNCTIONAL REQUIREMENTS .....	132
2.1 Usability .....	132
2.2 Performance.....	132
2.3 Reliability .....	132
2.4 Maintainability .....	132
2.5 Security .....	132

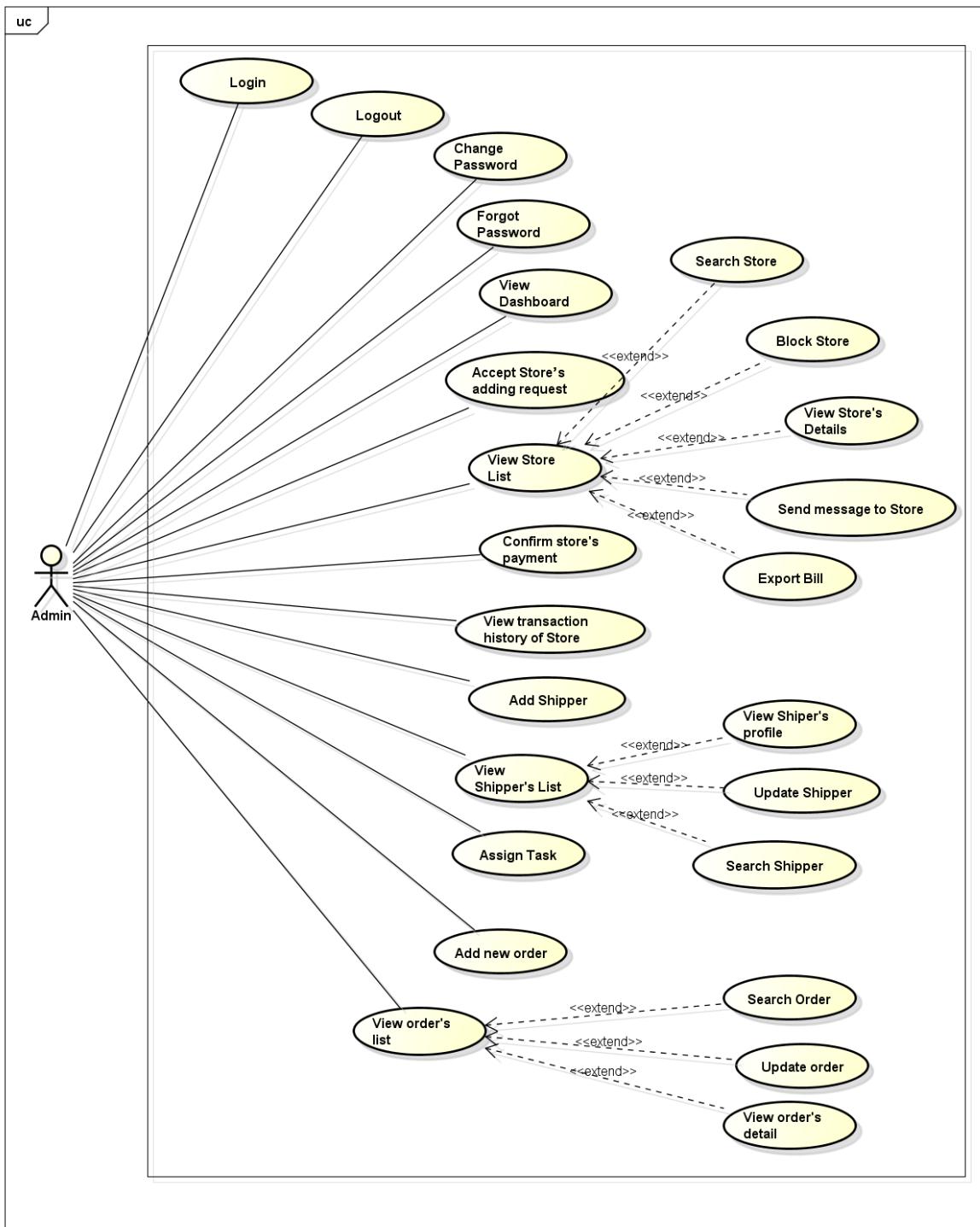
**ACRONYMS & ABBREVIATIONS**

Abbreviations	Description	Note

## 1. FUNCTIONAL REQUIREMENTS

### 1.1. Web application for Admin

#### 1.1.1. User Case Diagram

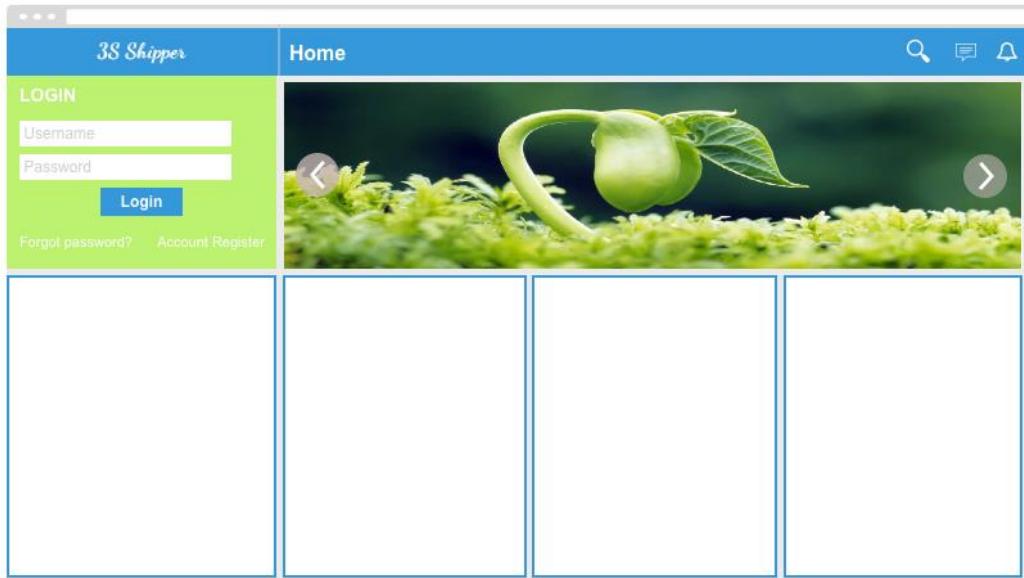


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Figure 11: User case diagram of Web Application for Admin

### 1.1.2. Functions

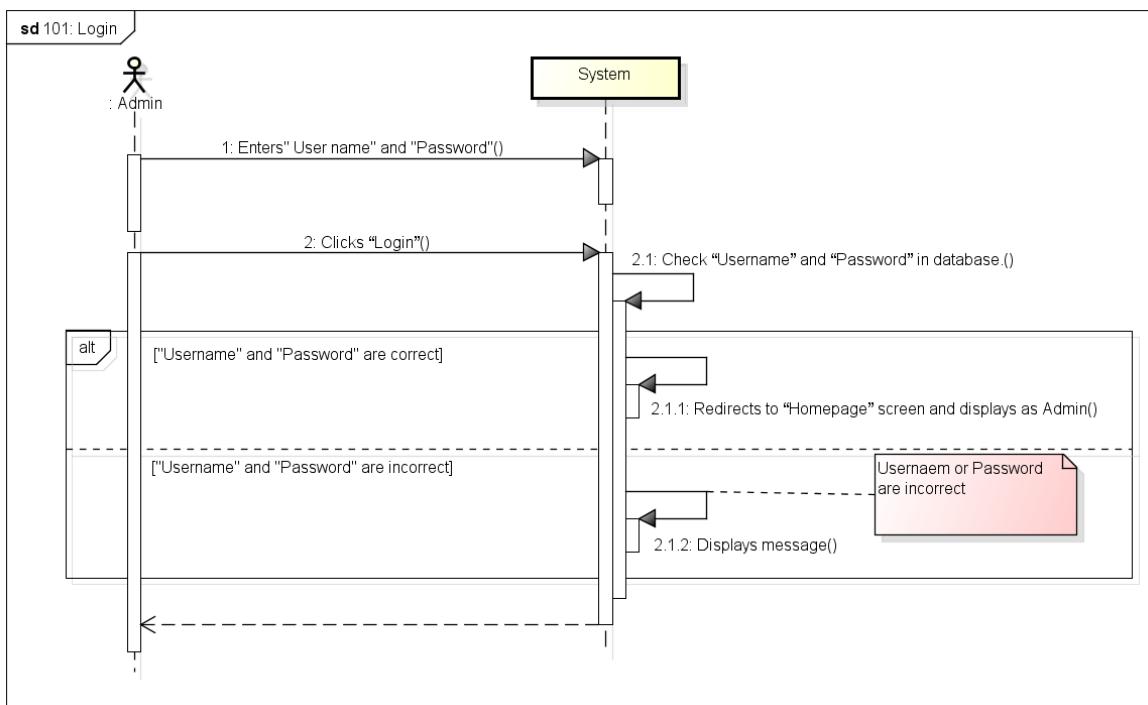
#### UC-101: Login

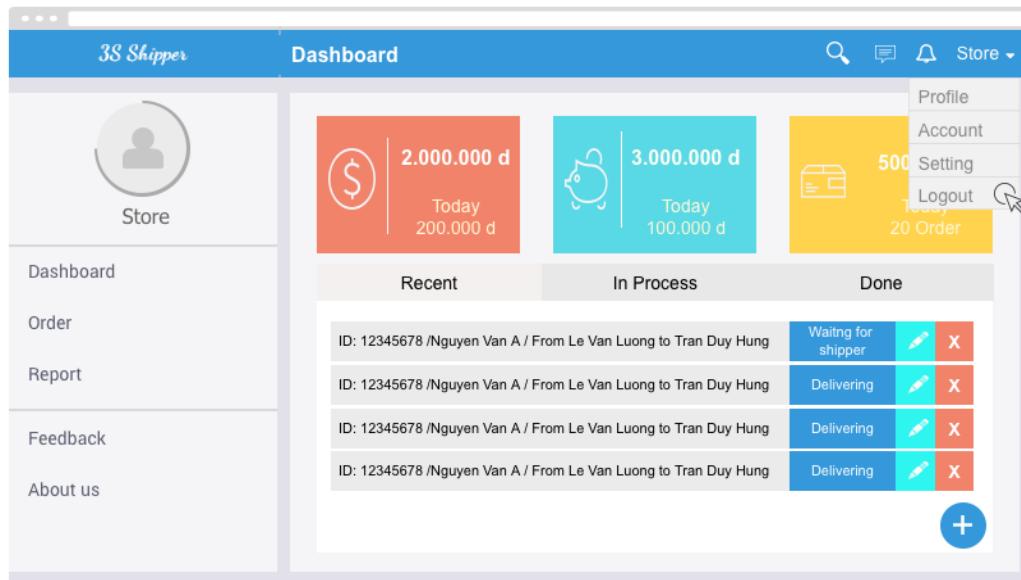


<b>Use Case ID:</b>	UC-101		
<b>Use Case Name:</b>	Login		
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b>	HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last Updated:</b>	20/09/2015
<b>Actor:</b>	Admin		
<b>Description:</b>	Users who are not logged in to system can only view the “Homepage”. Admin needs to logins to system to use functions of system.		
<b>Triggering event:</b>	Admin wants to login to system		
<b>Preconditions:</b>	Admin is on the “Homepage” of 3S website Admin account must be exists		
<b>Post conditions:</b>	Logs Admin into system Redirects to “Homepage” screen (Refer to UC-218: View Homepage) and displays as Admin		
<b>Priority:</b>	High		
<b>Frequency of Use:</b>	Sometime		
<b>Main flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1.	Admin	Enters User name and Password	
2.	Admin	Clicks “Login”	
3.	System	Check “Username” and “Password” in database.	
4.	System	Logs Admin into system	
5.	System	Redirects to “Homepage” screen and displays as Admin	

<b>Alternative:</b>		
<b>Exceptions:</b>		
EC1	At step 3 in main flow, if Admin entered wrong User name or Password	
Step	Actor	Action
3.1	System	Displays message "Username or Password is wrong"
<b>Includes:</b> N/A		
<b>Special</b> N/A		
<b>Notes and Issues:</b> N/A		

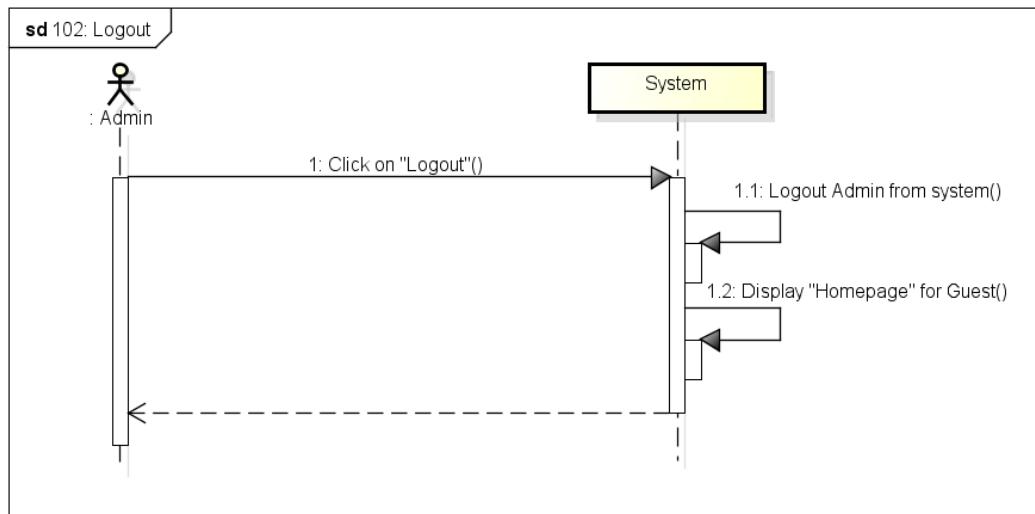
### Sequence Diagram



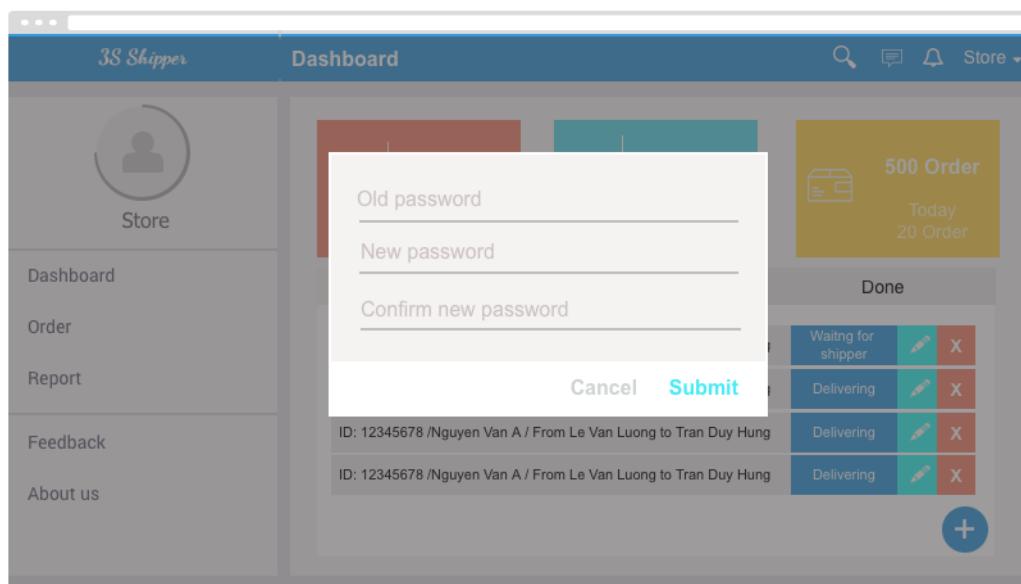
**UC-102: Logout**

<b>Use Case ID:</b>	UC-203
<b>Use Case Name:</b>	Logout
<b>Created By:</b>	KhanhKC
<b>Date Created:</b>	19/09/2015
<b>Last Updated By:</b>	KhanhKC
<b>Date Last updated:</b>	20/09/2015
<b>Actor:</b>	Admin
<b>Description:</b>	When Admin logouts from system, Admin will cannot continue using functions of system. Admin needs to login again to be able to use the function of system.
<b>Triggering event:</b>	Admin wants to logout from system.
<b>Preconditions:</b>	Admin logged in to system
<b>Post conditions:</b>	Logs Admin out from system. Redirects to “Homepage” screen (Refer to UC218: View Homepage)
<b>Priority:</b>	High
<b>Frequency of Use:</b>	Often
<b>Main flow</b>	
Step	Actor
1.	Admin
	Clicks Logout
2.	System
	Logouts Admin from system
3.	System
	Displays Homepage for Guest
<b>Alternative Flows:</b>	
<b>Exceptions:</b>	N/A
<b>Includes:</b>	N/A
<b>Special Requirements:</b>	N/A
<b>Notes and Issues:</b>	N/A

### Sequence Diagram



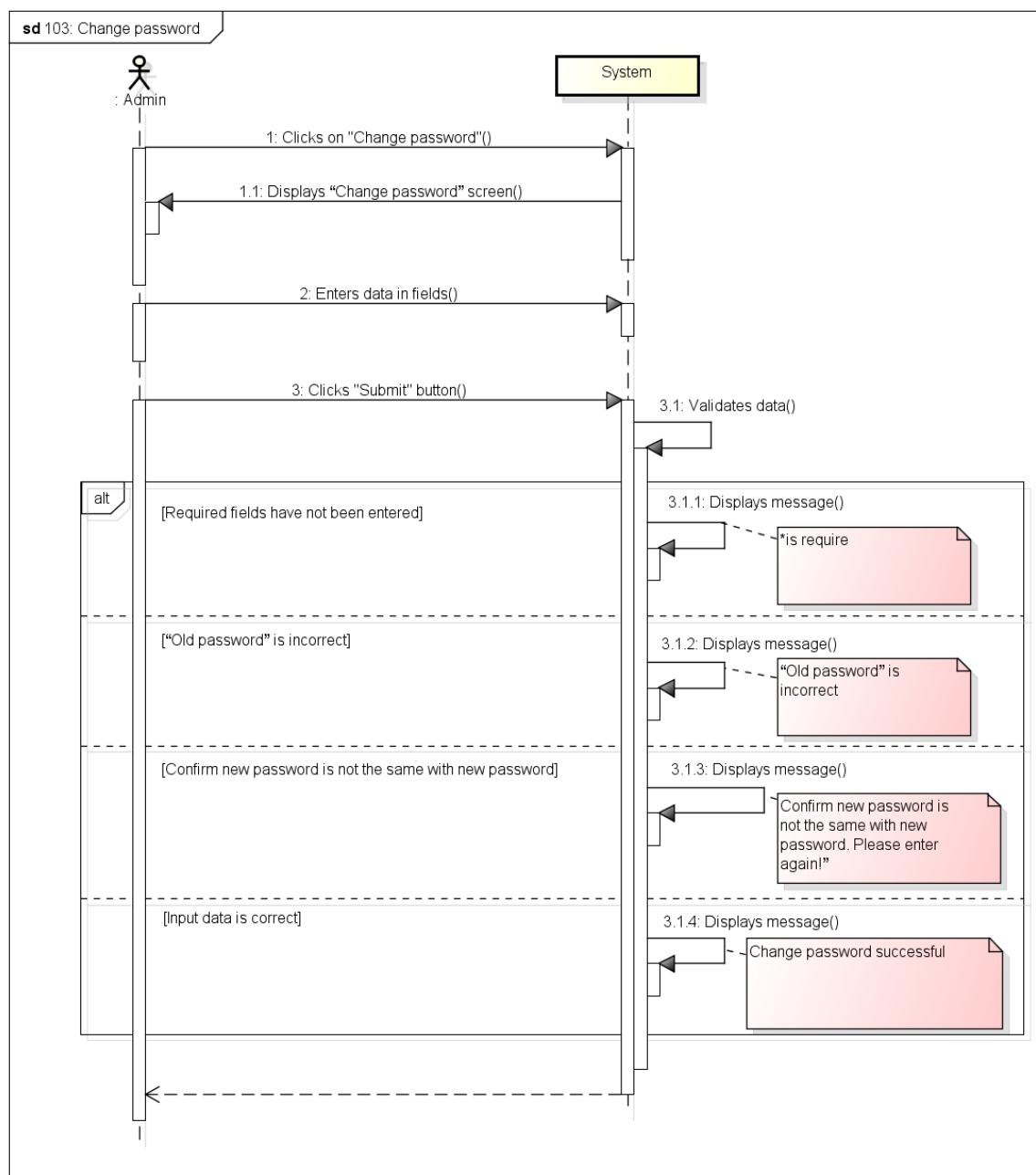
### UC-103: Change password

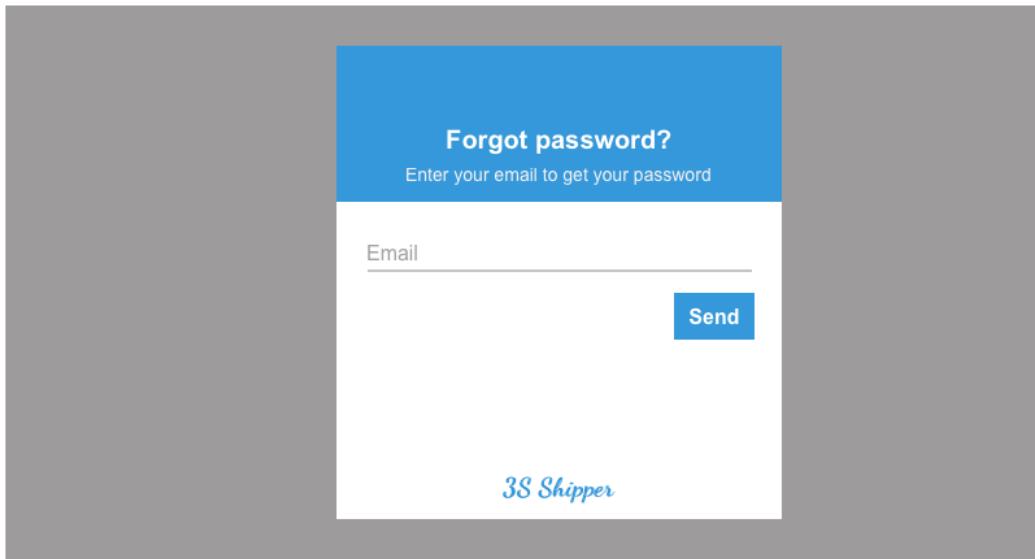


<b>Use Case ID:</b>	UC-204		
<b>Use Case Name:</b>	Change password		
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b>	KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	20/09/2015
<b>Actor:</b>	Admin		
<b>Description:</b>	Admin can change login password but Admin need to remember old password.		
<b>Triggering event:</b>	Admin wants to change password.		
<b>Preconditions:</b>	Admin logged in to system		
<b>Post conditions:</b>	New password has been saved in database.		

<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Clicks “Change password”
2.	System	Displays “Change password” screen includes: - Old password text box - New password text box - Confirm new password text box - Submit button
3.	Admin	Enters data in fields
4.	Admin	Clicks “Submit” button
5.	System	Validates data
6.	System	Displays “Change password” screen with message “Changes password successful”
<b>Alternative Flows:</b>	N/A	
<b>Exceptions:</b>		
EC1	At step 4, required fields are not entered	
Step	Actor	Action
4.1	System	Displays “Change password” screen with error message “*is require”
EC2	At step 4, “Old password” is incorrect	
Step	Actor	Action
4.1	System	Displays “Change password” screen with error message: “Old password is incorrect”
EC3	At step 4, confirm new password is not the same with new password	
Step	Actor	Action
4.1	System	Displays “Change password” screen with error message.” Confirm new password is not the same with new password. Please enter again!”
<b>Includes:</b>	N/A	
<b>Special Requirements:</b>	Length of “New password” must between 6 and 10.	
<b>Notes and Issues:</b>	N/A	

### Sequence Diagram

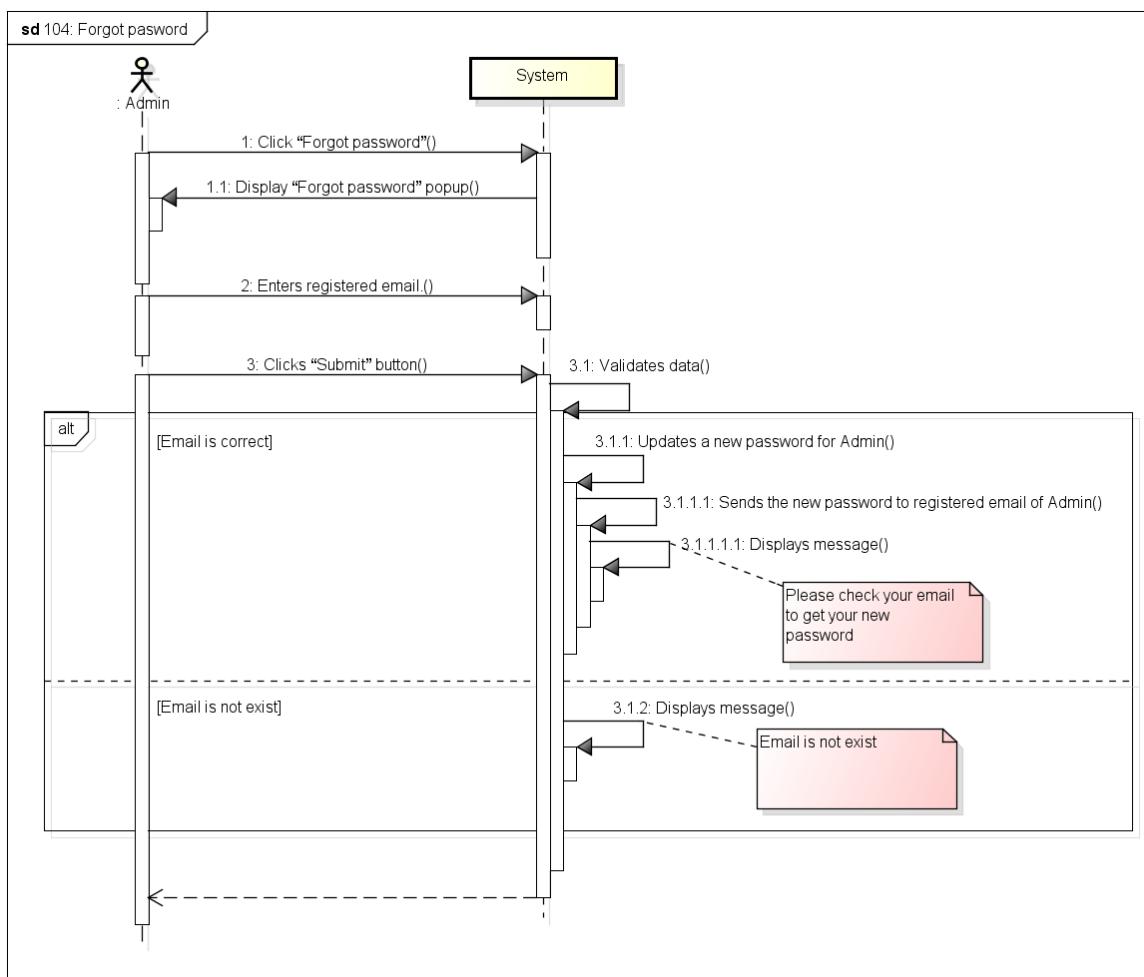


**UC-104: Forgot password**

<b>Use Case ID:</b>	UC-205	
<b>Use Case Name:</b>	Forgot password	
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b> KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 20/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	This function help Admin receive their login password when Admin forgot.	
<b>Triggering event:</b>	Admin requests system to receive new password.	
<b>Preconditions:</b>	Admin is on the “Homepage” (Refer to UC-218: View Homepage)	
<b>Post conditions:</b>	<ul style="list-style-type: none"> <li>- A new password has been updated for Admin</li> <li>- An email has been send to registered email of Admin include new password.</li> </ul>	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Clicks “Forgot password” hyperlink on “Login” box
2.	System	Displays “Forgot password” popup includes: - Email text box - Submit button
3.	Guest	Enters registered email.
4.	Guest	Clicks “Submit” button
5.	System	Validates data

6.	System	Updates a new password for Admin
7.	System	Sends the new password to registered email of Admin
8.	System	Displays message : "Please check your email to get your new password"
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1	At step 3, email are not a registered email	
Step	Actor	Actor
4.1	System	Displays error message:" Email is not exist"
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		N/A
<b>Notes and Issues:</b>		N/A

### Sequence Diagram



UC- 105: Accept Store

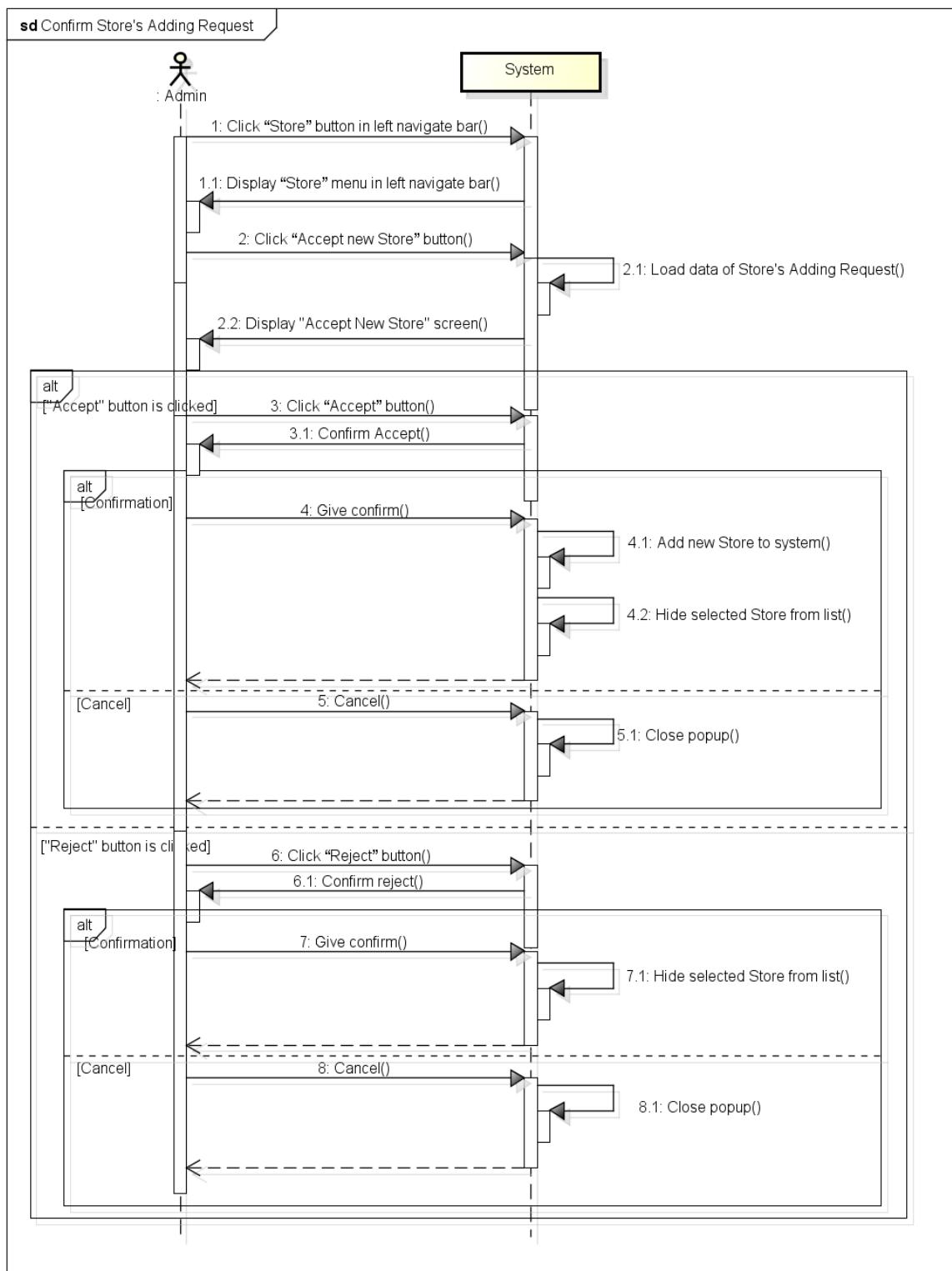
The screenshot shows the 'Accept Store' screen of the Super Shipper System. The left sidebar has a blue header 'Admin' with a user icon. Below it are links: 'Dashboard', 'Order', 'Store' (which is expanded to show 'Accept Store', 'Store's List', 'Confirm payment', and 'Transaction history'), 'Shipper', and 'Logout'. The main content area is titled 'Accept Store' and contains a table with two rows. Each row represents a store with columns for 'Store's name', 'Address', 'Registered Date', and 'Accept' or 'Reject' buttons. There is also a search bar and a page navigation bar at the bottom.

Figure 11: Screen of Confirm Store's Adding Request Use case

<b>Use Case ID:</b>	UC-105	
<b>Use Case Name:</b>	Accept Store's adding request	
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b> HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 24/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	If the Store registers to system, an adding request is sent to Admin, after that Admin views list of adding request of the Store then accept or reject to add the Store	
<b>Triggering Event:</b>	Admin wants to accept or reject adding request of Store	
<b>Preconditions:</b>	Admin logged in to system	
<b>Post conditions:</b>	New Store is added to database	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Clicks "Store" button in left navigate bar
2.	System	Display "Store" menu includes: Accept Store, Store's List, Confirm Payment and Transaction History
3.	Admin	Clicks "Accept Store" button
4.	System	Load data of Store's Adding Request and display in "Accept Store" screen includes: - Search textbox and button

		<ul style="list-style-type: none"> <li>- Filter drop-downlist</li> <li>- Registered Store's basic information with 2 buttons "Accept" and "Reject" in each row in a table</li> </ul>
5.	Admin	Clicks "Accept" button to accept to add new Store
6.	System	Display confirm popup includes "Yes" and "No" button
7.	Admin	Confirm by clicking "Yes" button
8.	System	Close popup and hide this store from list
9.	System	Add new Store to database of System
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1	At step 5, Admin reject by clicking "Reject" button	
Step	Actor	Action
5.1	System	Delete this store from list and this Store isn't added to System
EC2	At step 7, Admin clicks on "No" button	
Step	Actor	Action
7.1	System	Close popup and proceed to step 4
EC3	At step 4, system can't get data from database because the internet or the database disconnect	
Step	Actor	Action
4.1	System	Show error message: "Failed to load data"
<b>Includes:</b>		
<b>Special Requirements:</b>		
<b>Notes and Issues:</b>		

### Sequence Diagram



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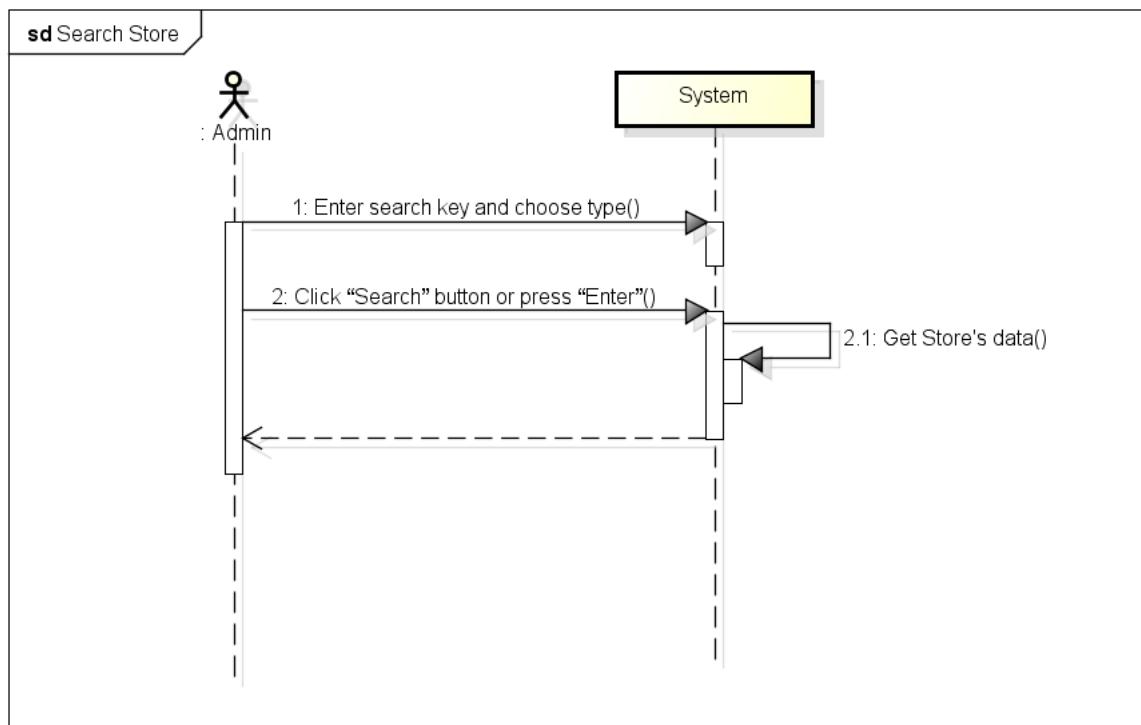
Figure 11: Sequence Diagram for Confirm Store's Adding Request Use case

UC- 106: Search Store

Figure 11: Screen of Search Store Use case

<b>Use Case ID:</b>	UC-106	
<b>Use Case Name:</b>	Search Store	
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b> HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 24/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	Admin wants the system to list all Stores related to a specific keyword and type, after that, Admin can choose a Store to view details, update information and block or unblock this Store.	
<b>Triggering Event:</b>	Admin wants to search store	
<b>Preconditions:</b>	Admin is in view store's list page ( refer case UC-107 )	
<b>Post conditions:</b>	Display Store as result of search	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Always	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Choose type of searching: Name, Address or Type
2.	Admin	Enter text to “Search” text box
3.	Admin	Clicks “Search” button or press “Enter”
4.	System	Get Store's data from database and display result on screen includes: - Search textbox and button

		<ul style="list-style-type: none"> <li>- Filter drop-downlist</li> <li>- Related Store's basic information with 3 buttons Update, Send Message and Block or Unblock in a table</li> </ul>
	<b>Alternative Flows:</b>	N/A
	<b>Exceptions:</b>	
EC1	At step 4, system can't get data from database because the internet or the database disconnect	
Step	Actor	Action
4.1	System	Show error message: "Failed to load data"
	<b>Includes:</b>	N/A
	<b>Special Requirements:</b>	<ul style="list-style-type: none"> <li>- Result of search is case insensitive</li> <li>- If Admin doesn't choose any type, Name will be default type</li> </ul>
	<b>Notes and Issues:</b>	N/A



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Figure 11: Sequence Diagram for Search Store Use case

UC- 107: View Store's list

#	Store's name	Adress	Payment	Action
1	3S Fashion	Hoang Mai - Ha Noi	10000VND	<input checked="" type="checkbox"/>
2	H2T Food	Cau Giay - Ha Noi	150000VND	<input checked="" type="checkbox"/>
3	KKC Book Store	Ha Dong - Ha Noi	30000VND	<input checked="" type="checkbox"/>
4				
5				
6				
7				

Figure 11: Screen of View Store's List Use case

<b>Use Case ID:</b>	UC-107	
<b>Use Case Name:</b>	View Store's list	
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b> HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 19/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	Admin views all Store in a table with basic information (address, name, payment,...), so after that, Admin can choose a Store to send message, edit and block or unblock	
<b>Triggering Event:</b>	Admin wants to view all of Store	
<b>Preconditions:</b>	Admin logged in to system	
<b>Post conditions:</b>	List of store is displayed to screen	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Always	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Clicks "Store" button in left navigate bar
2.	System	Display "Store" menu in left navigate bar includes: Accept Store, Store's List, Confirm Payment and Transaction History
3.	Admin	Clicks "Store's list" button
4.	System	Get Store's data then display "Store's List" screen includes:

		<ul style="list-style-type: none"> <li>- Search textbox and button</li> <li>- Filter drop-downlist</li> <li>- All Store's basic information with 3 icon buttons: Update, Send Message and Block or Unblock</li> </ul>
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1		At step 4, system can't get data from database because the internet or the database disconnect
Step	Actor	Action
4.1	System	Show error message: "Failed to load data"
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		N/A
<b>Notes and Issues:</b>		N/A

### Sequence Diagram

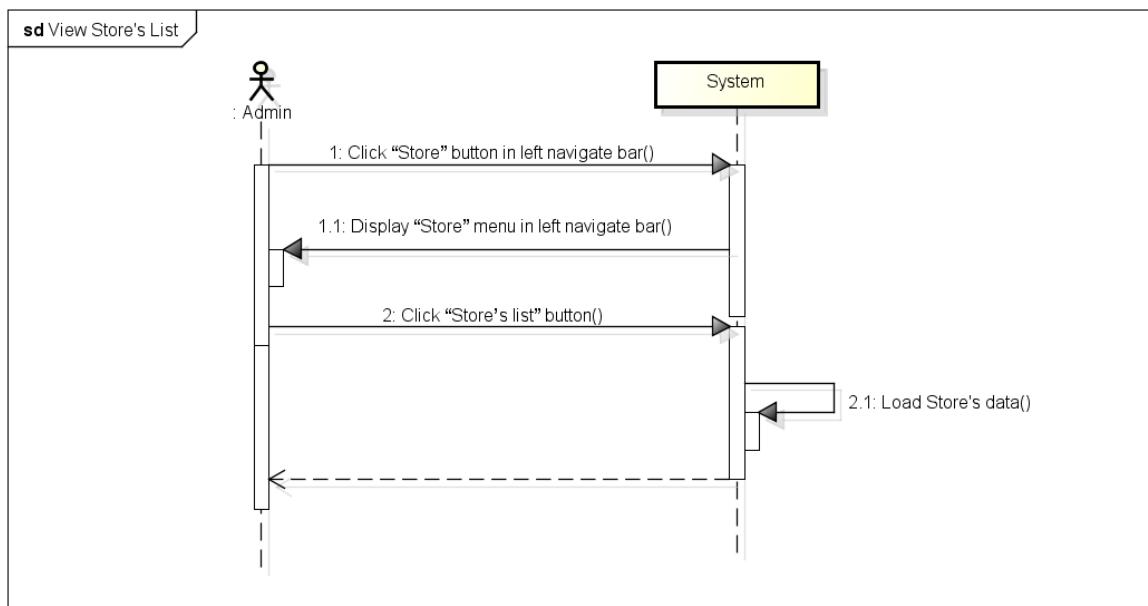


Figure 11: Sequence Diagram for View Store's List Use case

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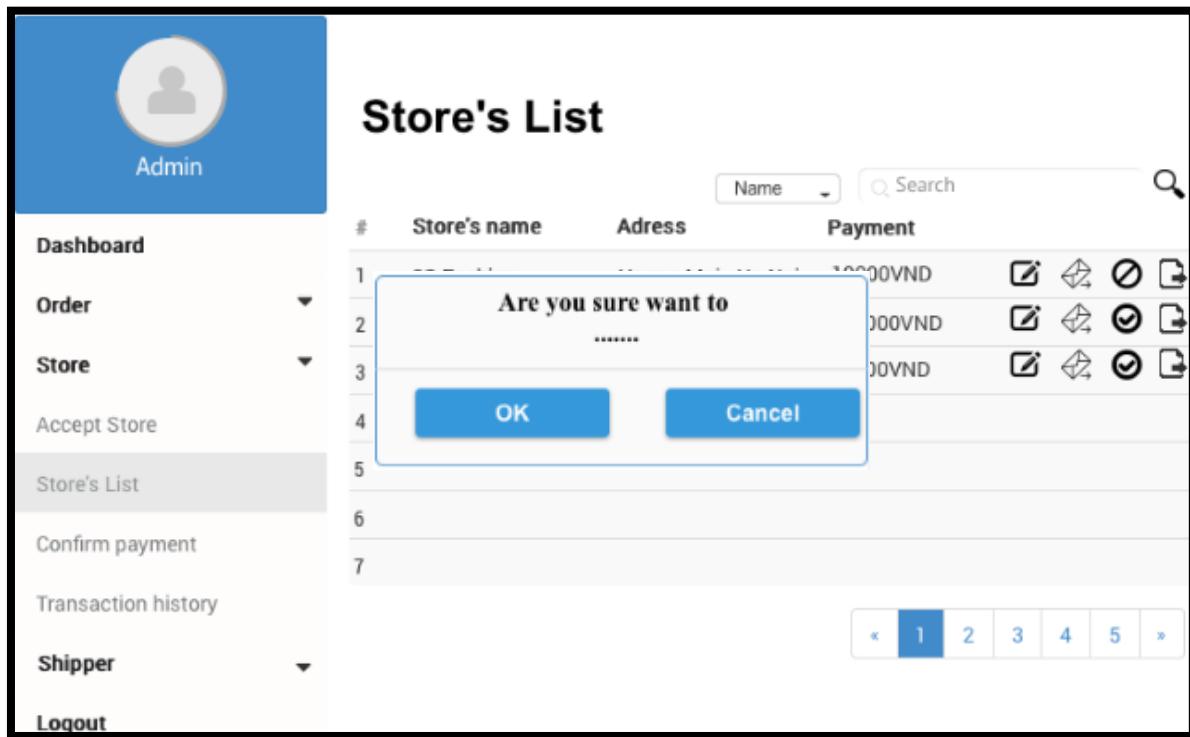
UC- 108: Block and Unblock store

Figure 11: Screen of Block and Unblock Store Use case

<b>Use Case ID:</b>	UC-108	
<b>Use Case Name:</b>	Block and Unblock store	
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b> HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 24/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	Admin bans the store from system if the store has serious breach of contract, so they can't do any function of system if they were banned. Besides, Admin can unban the Store which is banned to give this Store permission of using Store's functions	
<b>Triggering Event:</b>	Admin wants to blocks or unblocks store	
<b>Preconditions:</b>	Admin is in view store's list page ( refer case UC-107 )	
<b>Post conditions:</b>	Store is blocked or unblocked	
<b>Priority:</b>	Normal	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Clicks "Block"("Unblock") button
2.	System	Display confirm popup includes "Yes" and "No" button
3.	Admin	Clicks "Yes" button

4.	System	Hide popup and change store's status of blocking
5.	System	Store is blocked or unblocked
<b>Alternative Flows:</b>		
AT1	At step 1, if admin clicks “View store’s details”	
Step	Actor	Action
1	Admin	Clicks Store’s name in row (hyperlink)
2	System	Display “View Store’s details” screen
3	Admin	Clicks “Block” (“Unblock”) button below avatar
4	System	Go to step 2 of main flow and continue
<b>Exceptions:</b>		
EC1	At step 2, Admin clicks on “No” button	
Step	Actor	Action
2.1	System	Close popup
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		N/A
<b>Notes and Issues:</b>		N/A

### Sequence Diagram

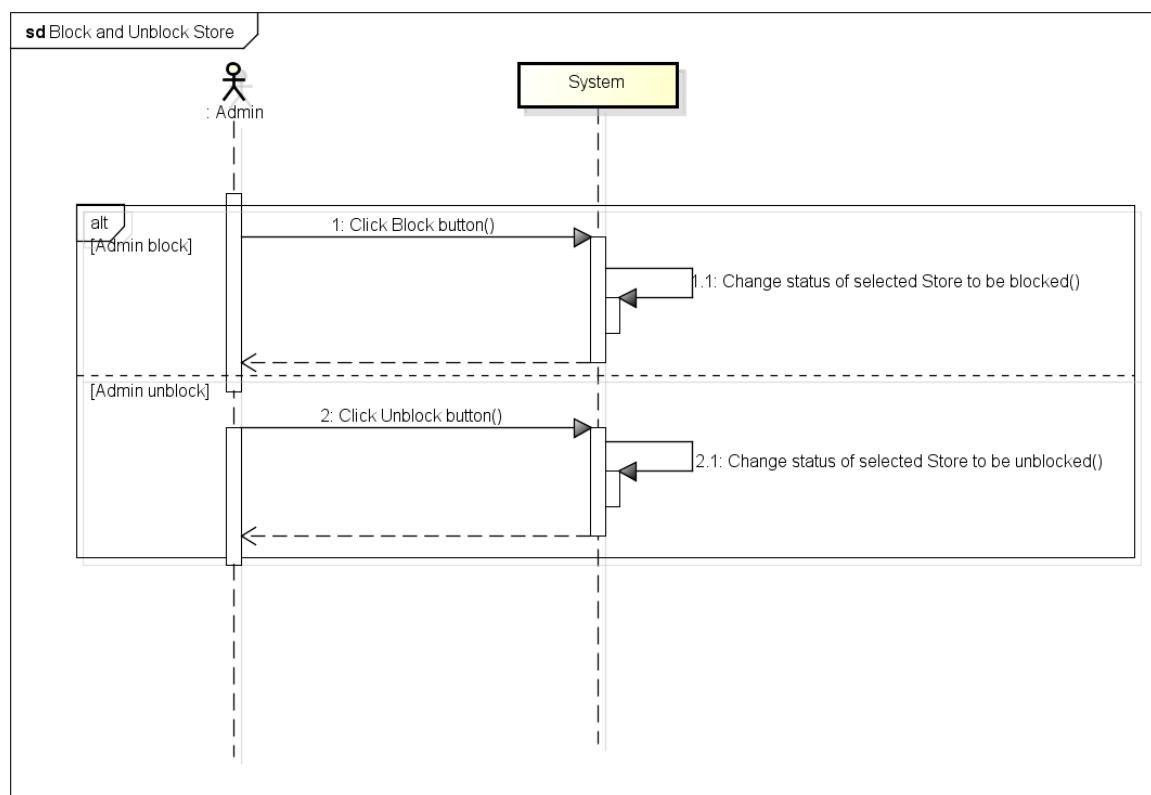


Figure 11: Sequence Diagram for Block and Unblock Store Use case

UC- 109: View Store's details

The screenshot displays the 'View Store's details' use case interface. On the left, a sidebar menu includes 'Admin', 'Dashboard', 'Order', 'Store', and 'Shipper'. Under 'Shipper', there are links for 'Add New Shipper', 'Shipper's List', 'Assign Task', and 'Logout'. The main content area shows a user profile for 'Nguyen Van A' (12-11-1993, FPT University - D413). It includes fields for 'Name' (Nguyen Van A), 'ShipperID' (SP1234), 'Date of birth' (12-11-1993), 'Identity card' (013040324), 'Email' (@ 3sfashion@gmail.com), 'Phone number' (0987654321), and 'Address' (D413 - FPT University - Thach That - Ha Noi). Below this is a 'History' table with columns: #, Date, Store's name, OrderID, and Type. The table contains 7 rows of data. At the bottom right is a navigation bar with page numbers 1 through 5.

Figure 11: Screen of View Store's Details Use case

<b>Use Case ID:</b>	UC-109		
<b>Use Case Name:</b>	View Store's details		
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b>	HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	24/09/2015
<b>Actor:</b>	Admin		
<b>Description:</b>	Admin views all Store's details (address, name, registered date, phone number, store's manager, payment, identity card, bank's account information,...), so after that, Admin can send message, edit and block or unblock this Store		
<b>Triggering Event:</b>	Admin wants to view all information of a Store		
<b>Preconditions:</b>	Admin is in view store's list page ( refer case UC-107 )		
<b>Post conditions:</b>	Details of Store are displayed		
<b>Priority:</b>	Normal		
<b>Frequency of Use:</b>	Sometime		
<b>Main flow</b>			
Step	Actor	Action	

1.	Admin	Clicks Store's name in row (hyperlink)
2.	System	Load data of selected Store and display "View Store's details" screen includes store's details includes: address, name, registered date, phone number, store's manager, payment, identity card, bank's account information,...
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		N/A
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		N/A
<b>Notes and Issues:</b>		N/A

### Sequence Diagram

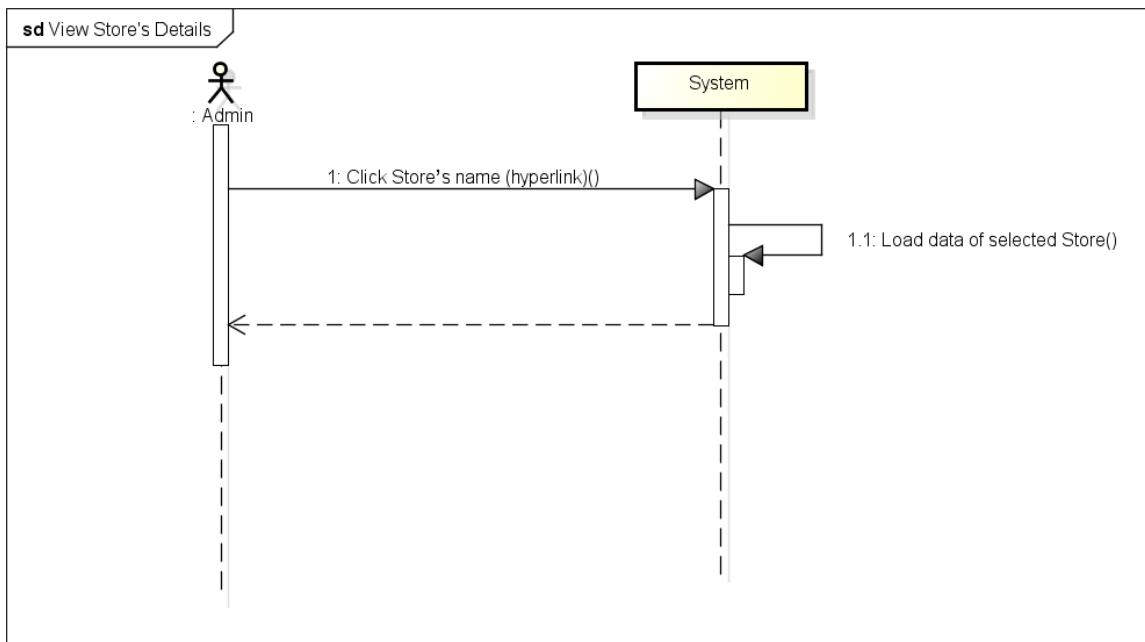


Figure 11: Sequence Diagram for View Store's Details Use case

UC- 110: Send message to Store

The screenshot shows the 'Send Message' screen. On the left is a sidebar with a user icon and the name 'Admin'. Below the sidebar are several navigation links: 'Dashboard', 'Order' (with a dropdown arrow), 'Store' (with a dropdown arrow), 'Accept Store', 'Store's List' (which is highlighted in grey), 'Confirm payment', 'Transaction history', 'Shipper' (with a dropdown arrow), and 'Logout'. On the right is the main content area. It has a title 'Send Message'. Below the title are four input fields: 'To\*' with the value '3sfashion@gmail.com', 'Cc' (empty), 'Subject\*' with the value 'SALE OFF FROM 22-10', and a large 'Message' area which is currently empty. At the bottom right of the main area is a blue 'Send' button.

Figure 11: Screen of Send Message to Store Use case

<b>Use Case ID:</b>	UC-110		
<b>Use Case Name:</b>	Send message to Store		
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b>	HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	19/09/2015
<b>Actor:</b>	Admin		
<b>Description:</b>	Admin create a message with Store's name, subject and content to send to a Store or a lot of Stores (by entering store's name to Cc textbox) in order to notify the Store's about news, changes,...		
<b>Triggering Event:</b>	Admin wants to send message to the Store		
<b>Preconditions:</b>	Admin is in view store's list page ( refer case UC-107 )		
<b>Post conditions:</b>	A message is sent to the Store		
<b>Priority:</b>	Normal		
<b>Frequency of Use:</b>	Sometime		
<b>Main flow</b>			
Step	Actor	Action	
1.	Admin	Clicks "Send message" button	
2.	System	Display "Send message" screen with send message form includes: store's name and cc, subject and content	

3.	Admin	Fill information in textbox
4.	Admin	Clicks “Send” button
5.	System	Validate input
6.	System	Send this message to store and show the result of sending to Admin by message: ‘The message has been sent’
<b>Alternative Flows:</b>		
AT1	At step 1, if admin clicks “View store’s details”	
Step	Actor	Action
1	Admin	Clicks Store’s name in row (hyperlink)
2	System	Display “View Store’s details” screen
3	Admin	Clicks “Send message” button below avatar
4	System	Go to step 2 of main flow and continue
<b>Exceptions:</b>		
EC1	At step 5, if admin doesn’t type anything in Subject textbox or Content textbox	
Step	Actor	Action
5.1	System	Notify by error message in screen “*is require”
EC2	At step 6, if message can’t send to Store	
Step	Actor	Action
5.1	System	Notify by error message in screen “Can’t send to Store, please try again!!”
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		<ul style="list-style-type: none"> <li>- Message content must be longer than 20 characters</li> <li>- The field with ‘*’ can’t be blank</li> </ul>
<b>Notes and Issues:</b>		N/A

### Sequence Diagram

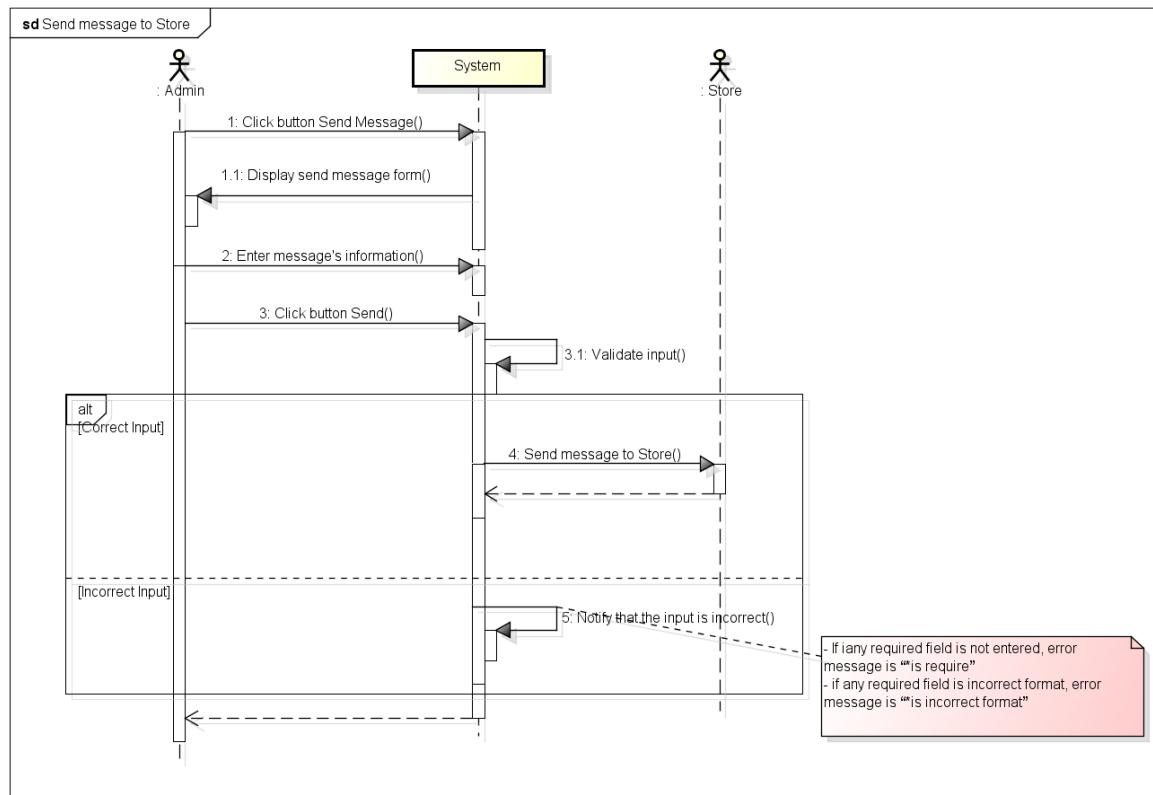


Figure 11: Sequence Diagram for Send Message to Store Use case

### UC- 111: Confirm Store's payment

The screenshot shows the 'Confirm store's payment' interface. On the left, there's a sidebar with navigation links: Dashboard, Order, Store, Add Store, Store's List, Confirm payment (which is highlighted), Transaction history, Shippers, and Logout. The main area has a title 'Confirm store's payment' and a search bar. Below it is a table showing payment details for two stores. For each store, there are service, amount, and note columns, along with 'Amount' and 'Confirm' buttons.

#	Store's name	Address	Total	Registered Date
1	3S Fashion	Hoang Mai - Ha Noi	10000VND	12-11-2015
2	KKC Book Store	Ha Dong - Ha Noi	50000VND	11-08-2015
3				
4				

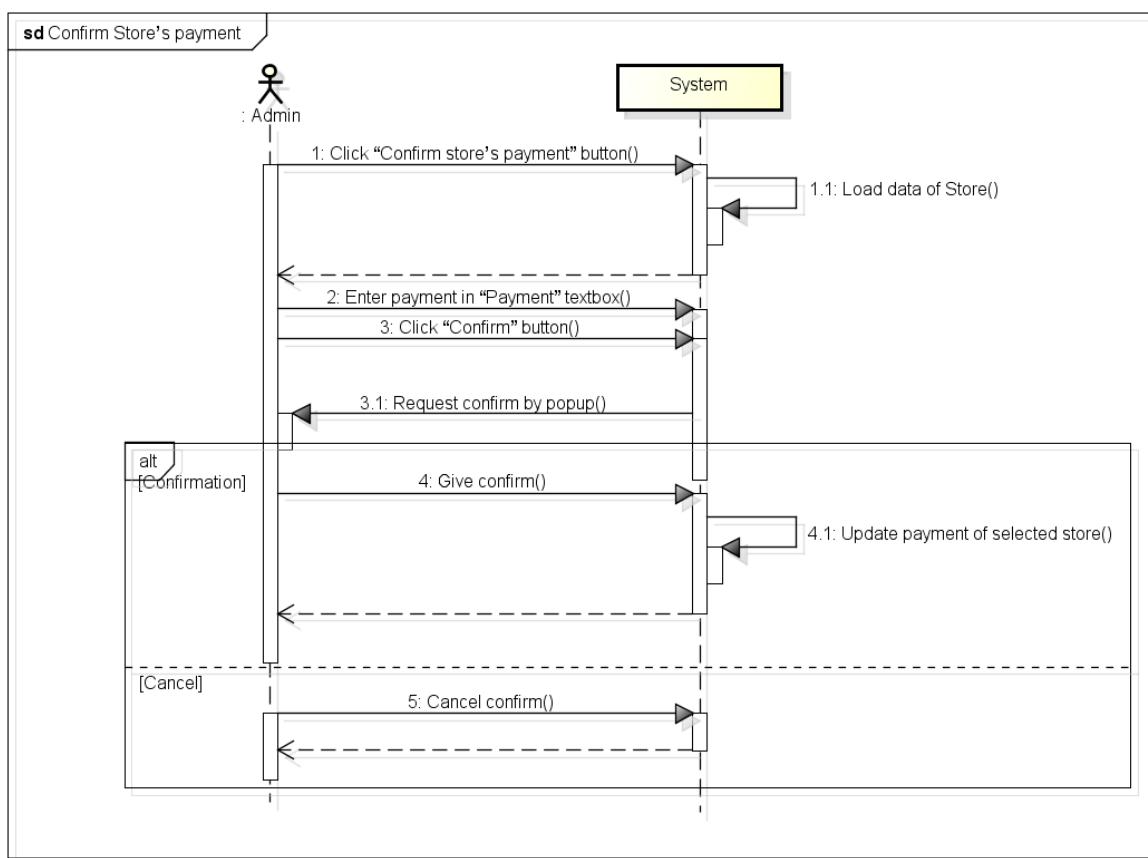
Figure 11: Screen of Confirm Store's Payment Use case

2

<b>Use Case ID:</b>	UC-111				
<b>Use Case Name:</b>	Confirm Store's payment				
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b>	HoangNK		
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	24/09/2015		
<b>Actor:</b>	Admin				
<b>Description:</b>	After receiving and sending money to the Store, admin updates Store's payment by confirming amount of money of transactions				
<b>Triggering Event:</b>	Admin wants to confirms the store's payment				
<b>Preconditions:</b>	Admin logged in to system				
<b>Post conditions:</b>	Payment of this store is updated in database				
<b>Priority:</b>	High				
<b>Frequency of Use:</b>	Always				
<b>Main flow</b>					
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
1.	Admin	Clicks "Store" button in left navigate bar			
2.	System	Display "Store" menu in left navigate bar includes: Accept Store, Store's List, Confirm Payment and Transaction History			
3.	Admin	Clicks "Confirm store's payment" button			
4.	System	Display "Confirm store's payment" screen includes: - Search textbox and button - Filter drop-downlist - Store's basic information, total payment in each row of a table - List of total payment of delivery service and cash on delivery service, an amount textbox and Confirm button when Admin clicks Store's name(hyperlink)			
5.	Admin	Enter payment in "Payment" textbox			
6.	Admin	Clicks "Confirm" button			
7.	System	Give confirm by displaying confirm popup includes "Yes" and "No" button			
8.	Admin	Clicks "Yes" button			
9.	System	Update payment of this store to database			
<b>Alternative Flows:</b>					
AT1	At step 3, if admin clicks "Store's list" button				
<b>Step</b>	<b>Actor</b>	<b>Action</b>			
3	Admin	Clicks "Store's list" button			
4	System	Display "View Store's details" screen			
5	System	Display "Store's List" screen			
6	Admin	Clicks Store's name in row (hyperlink)			

7	System	Display “View Store’s details” screen includes store’s details
8	Admin	Clicks “Confirm store’s payment” button
9	System	Go to step 4 of main flow
<b>Exceptions:</b>		N/A
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		<ul style="list-style-type: none"> <li>- When Admin clicks Store’s name (hyperlink), some rows will be displayed below with incomplete transaction</li> <li>- If the payment is negative, this is payment that the system needs to pay for the Store</li> <li>- If the payment is positive, this is payment that the Store needs to pay for the system</li> <li>- Default value of amount textbox is 0</li> <li>- The value of amount textbox is only number and absolute value must be less than amount of payment</li> </ul>
<b>Notes and Issues:</b>		N/A

### Sequence Diagram



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Figure 11: Sequence Diagram for Confirm Store’s Payment Use case

UC- 112: View transaction history of Store

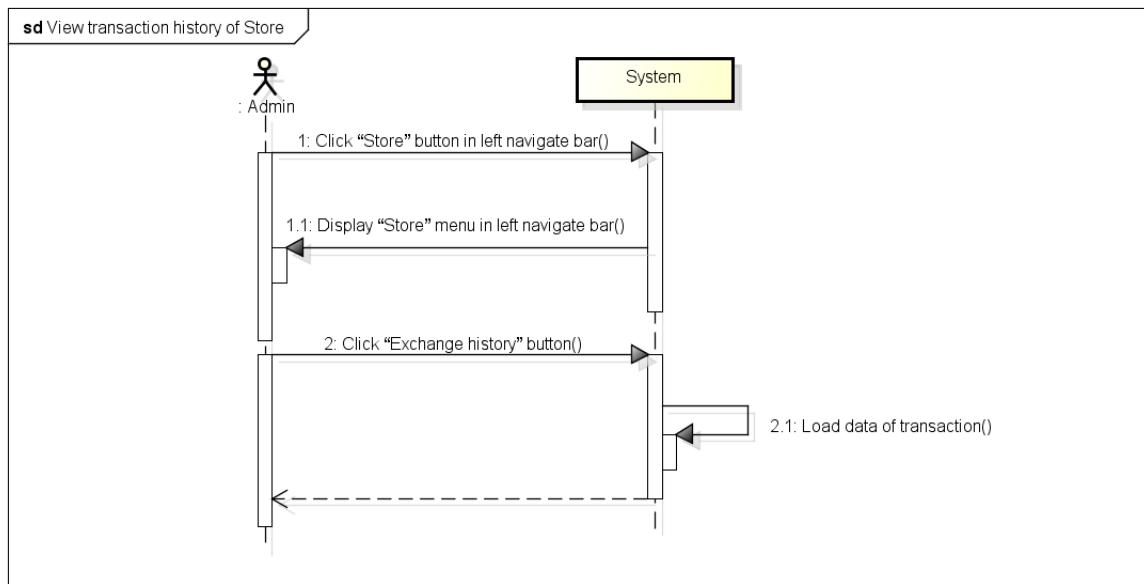
#	Date	Store's name	Address	Amount	Type
1	20-09-2013	3SFashion	Hoang Mai - Ha Noi	10000VND	3S → Store
2	19-09-2013	KKC Food	Ha Dong - Ha Noi	20000VND	3S ← Store

Figure 11: Screen of View Transaction History of Store Use case

<b>Use Case ID:</b>	UC-112	
<b>Use Case Name:</b>	View transaction history of Store	
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b> HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 19/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	Admin wants the system to list all Store's transaction with basic information (store's name, address, amount of money, type,...)	
<b>Triggering Event:</b>	Admin wants to view transaction history of Stores	
<b>Preconditions:</b>	Admin logged in to system	
<b>Post conditions:</b>	List of transaction history of Store is displayed	
<b>Priority:</b>	Normal	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Clicks "Store" button in left navigate bar
2.	System	Display "Store" menu in left navigate bar includes: Accept Store, Store's List, Confirm Payment and Transaction History
3.	Admin	Clicks "Transaction history" button

4.	System	Load data of transaction and display “Transaction history” screen includes - Search textbox and button - Filter drop-downlist - Basic information of transaction in a table
<b>Alternative Flows:</b>		
AT1	At step 3, if admin clicks “Store’s list” button	
Step	Actor	Action
3	Admin	Clicks “Store’s list” button
4	System	Display “View Store’s details” screen
5	System	Display “Store’s List” screen
6	Admin	Clicks Store’s name in row (hyperlink)
7	System	Display “View Store’s details” screen includes store’s details
8	Admin	Clicks “Transaction history” button
9	System	Go to step 4 of main flow
<b>Exceptions:</b> N/A		
<b>Includes:</b> N/A		
<b>Special Requirements:</b> N/A		
<b>Notes and Issues:</b> N/A		

### Sequence Diagram



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Figure 11: Sequence Diagram for View Transaction history of Store Use case

UC- 113: Add Shipper

**Add new Shipper**

Name	Nguyen Van A	ShipperID	SP1234
Date of birth	15-04-1993	Identity card	013040324
Email	@ 3sfashion@gmail.com	Phone number	0987654321
Address	D413 - FPT University - Thach That - Ha Noi		

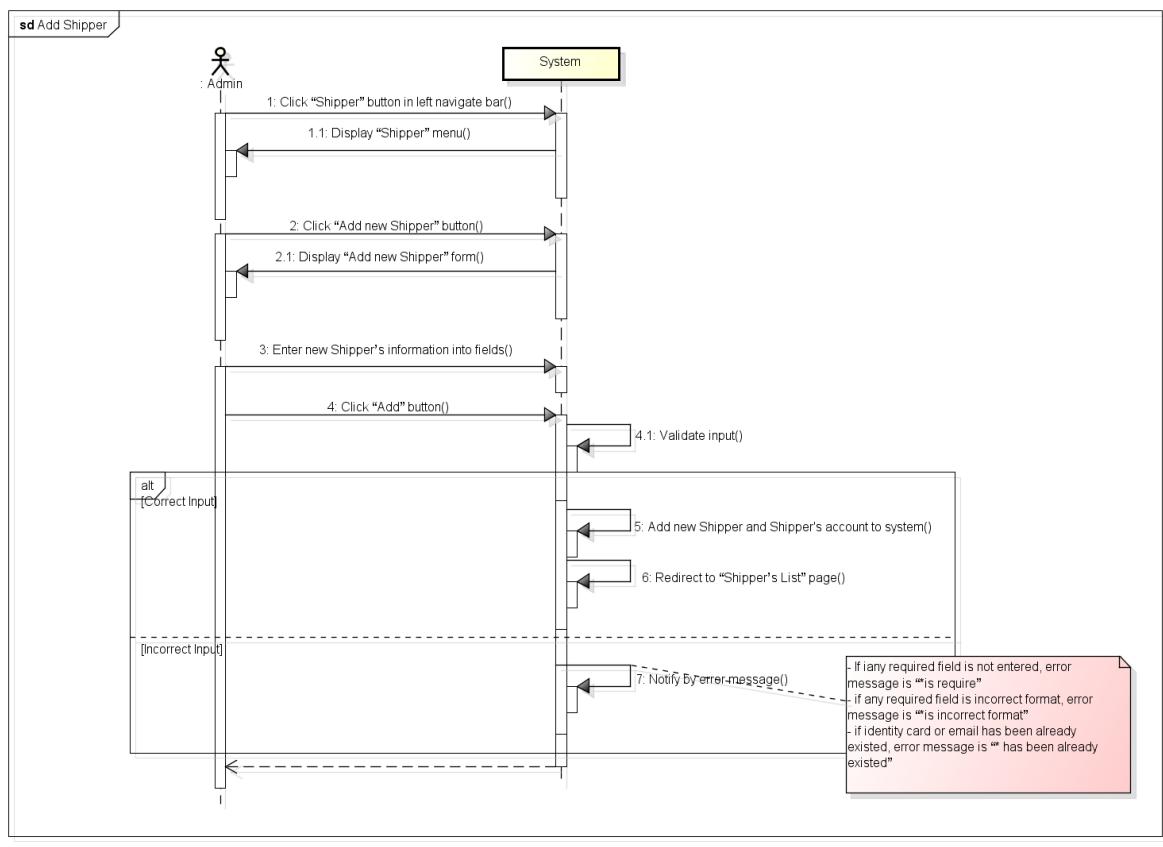
**Add**

Figure 11: Screen of Add Shipper Use case

<b>Use Case ID:</b>	UC-113		
<b>Use Case Name:</b>	Add New Shipper		
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b>	HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	19/09/2015
<b>Actor:</b>	Admin		
<b>Description:</b>	Admin create new account to new Shipper with basic information of Shipper: name, date of birth, email, phone number, identity card, address,...		
<b>Triggering Event:</b>	Admin wants to adds a new Shipper to system		
<b>Preconditions:</b>	Admin logged in to system		
<b>Post conditions:</b>	New Shipper and new account for this Shipper are added to database		
<b>Priority:</b>	High		
<b>Frequency of Use:</b>	Often		
<b>Main flow</b>			
Step	Actor	Action	
1.	Admin	Clicks "Shipper" button in left navigate bar	
2.	System	Display "Shipper" menu in left navigate bar includes Add New Shipper, Shipper's List and Assign Task	
3.	Admin	Clicks "Add new Shipper" button	
4.	System	Display "Add new Shipper" form includes textbox of : name, date of birth, email, phone number, identity card, address	
5.	Admin	Enter new Shipper's information into fields	

6.	Admin	Clicks “Add” button
7.	System	Validate input
8.	System	Add new Shipper and new account of this Shipper to database then redirects to “Shipper’s List” page
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1	At step 7, if any required field is not entered	
Step	Actor	Action
7.1	System	Notify in screen by error message “*is require”
EC2	At step 7, if any required field is incorrect format	
Step	Actor	Action
7.1	System	Notify in screen by error message “*is incorrect format”
EC3	At step 7, if identity card or email has been already existed	
Step	Actor	Action
7.1	System	Notify in screen by error message “* has been already existed”
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		<ul style="list-style-type: none"> <li>- ShipperID will be generated automatically by system</li> <li>- Default account and password for new Shipper is shipperID, Shipper can change them by mobile app later</li> <li>- The field with ‘*’ can’t be blank</li> </ul>
<b>Notes and Issues:</b>		N/A

### Sequence Diagram



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Figure 11: Sequence Diagram for Add Shipper Use case

### UC- 114: View Shipper's list

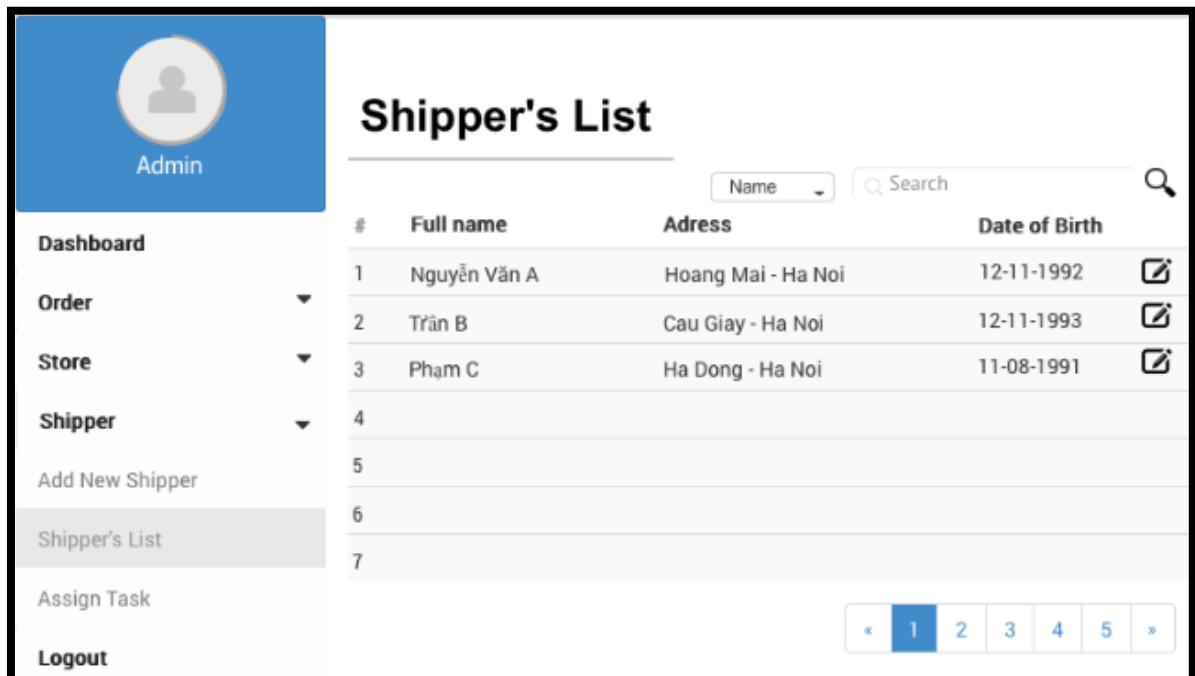


Figure 11: Screen of View Shipper's List Use case

<b>Use Case ID:</b>	UC-114		
<b>Use Case Name:</b>	View Shipper's list		
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b>	HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	19/09/2015
<b>Actor:</b>	Admin		
<b>Description:</b>	Admin views all Shipper in a table with basic information (address, name, date of birth,...), so after that, Admin can choose a Shipper to update information		
<b>Triggering Event:</b>	Admin wants to view all Shipper		
<b>Preconditions:</b>	Admin logged in to system		
<b>Post conditions:</b>	List of shipper is displayed		
<b>Priority:</b>	High		
<b>Frequency of Use:</b>	Always		
<b>Main flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
5.	Admin	Clicks "Shipper" button in left navigate bar	
6.	System	Display "Shipper" menu in left navigate bar includes Add New Shipper, Shipper's List and Assign Task	
7.	Admin	Clicks "Shipper's list" button	
8.	System	Load Shipper's data and display "Shipper's List" screen includes: - Search textbox and button - Filter drop-downlist - All Shipper's basic information with Update icon buttons	
<b>Alternative Flows:</b>		N/A	
<b>Exceptions:</b>		N/A	
<b>Includes:</b>		N/A	
<b>Special Requirements:</b>		- The default Shipper's list is ordered by Name	
<b>Notes and Issues:</b>		N/A	

### Sequence Diagram

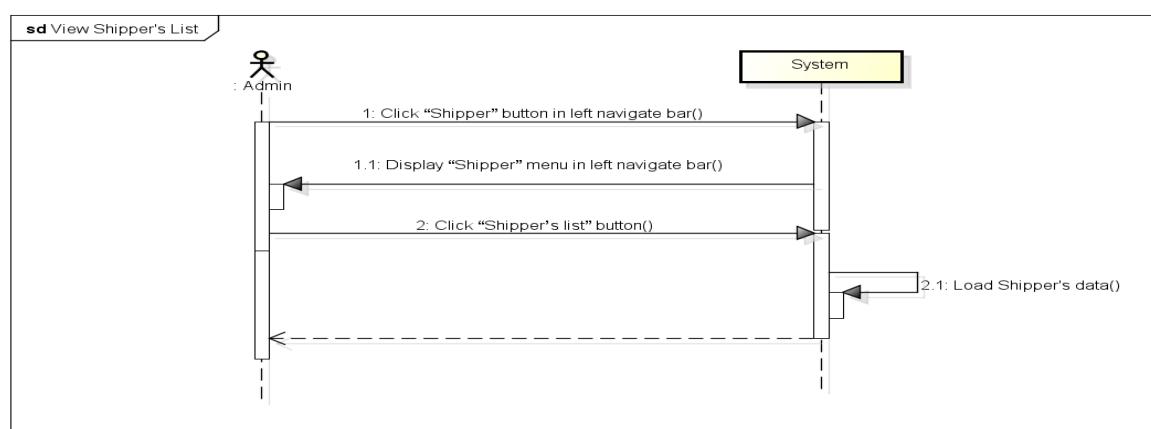


Figure 11: Sequence Diagram for View Shipper List Use case

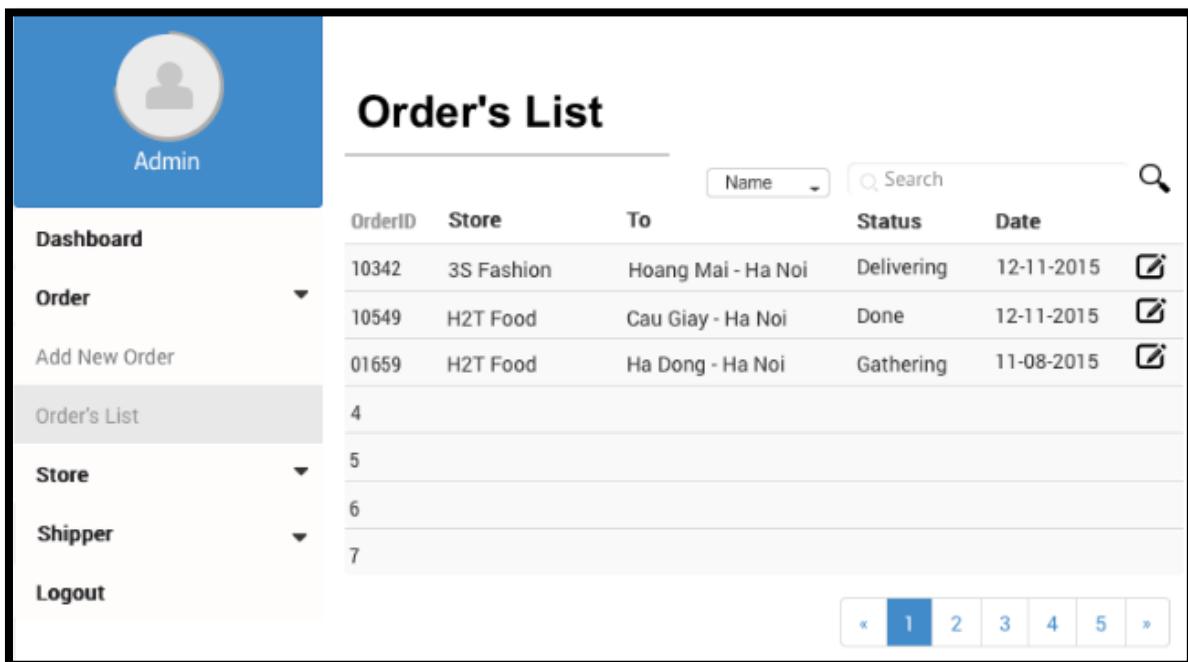
UC- 115: View Order's list

Figure 11: Screen of View Order's List Use case

<b>Use Case ID:</b>	UC-115	
<b>Use Case Name:</b>	View Order's list	
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b> HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 19/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	Admin views all Order in a table with basic information (orderID, store's name, recipient's address, status, date,..), so after that, Admin can choose an Order to update information	
<b>Triggering Event:</b>	Admin wants to view all Orders	
<b>Preconditions:</b>	Admin logged in to system	
<b>Post conditions:</b>	List of order is displayed	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Always	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Clicks "Order" button in left navigate bar
2.	System	Display "Order" menu in left navigate bar includes Add Add New Order, Order's List
3.	Admin	Clicks "Order's list" button
4.	System	Load Order's data and display "Order's List" screen includes <ul style="list-style-type: none"> <li>- Search textbox and button</li> <li>- Filter drop-downlist</li> </ul>

	- All Order's basic information with Update icon buttons
<b>Alternative Flows:</b>	N/A
<b>Exceptions:</b>	N/A
<b>Includes:</b>	N/A
<b>Special Requirements:</b>	- The default Order's list is ordered by Date
<b>Notes and Issues:</b>	N/A

### Sequence Diagram

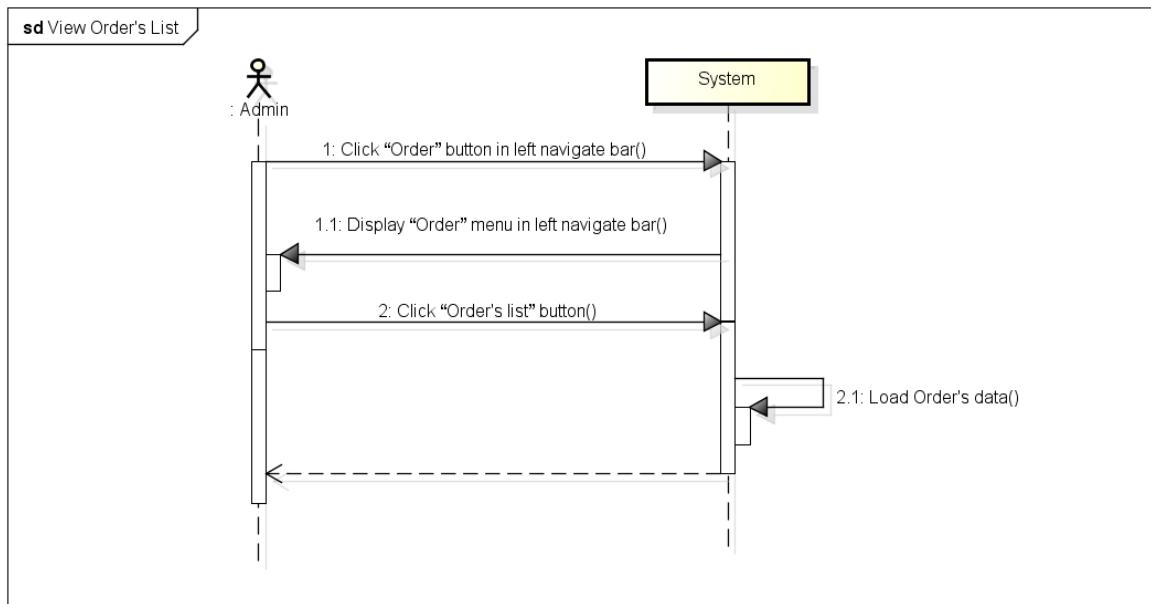


Figure 11: Sequence Diagram for View Order's List Use case

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UC- 117: Search Shipper

#	Full name	Address	Date of Birth	
1	Nguyễn Văn A	Hoang Mai - Ha Noi	12-11-1992	<input checked="" type="checkbox"/>
2	Trần B	Cau Giay - Ha Noi	12-11-1993	<input checked="" type="checkbox"/>
3	Phạm C	Ha Dong - Ha Noi	11-08-1991	<input checked="" type="checkbox"/>
4				
5				
6				
7				

Figure 11: Screen of Search Shipper Use case

<b>Use Case ID:</b>	UC-116	
<b>Use Case Name:</b>	Search Shipper	
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b> HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 19/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	Admin wants the system to list all Shipper related to a specific keyword and type, after that, Admin can choose a Shipper to update information	
<b>Triggering Event:</b>	Admin wants to search Shipper	
<b>Preconditions:</b>	Admin is in view shipper's list page ( refer case UC-114 )	
<b>Post conditions:</b>	Display Shipper as result of search	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Always	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Choose type of Shipper: Name, Address or ID
2.	Admin	Enter text to "Search" text box
3.	Admin	Clicks "Search" button or press "Enter"
4.	System	Get Shipper's data and display result on screen includes: - Search textbox and button - Filter drop-downlist - Related Shipper's basic information with Update icon button

<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		N/A
EC1	At step 3, Admin doesn't choose any type	
Step	Actor	Action
3.1	System	Set Name is default type
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		<ul style="list-style-type: none"> <li>- Result of search is case insensitive</li> <li>- Types of search are Name, Address and ID</li> </ul>
<b>Notes and Issues:</b>		N/A

### Sequence Diagram

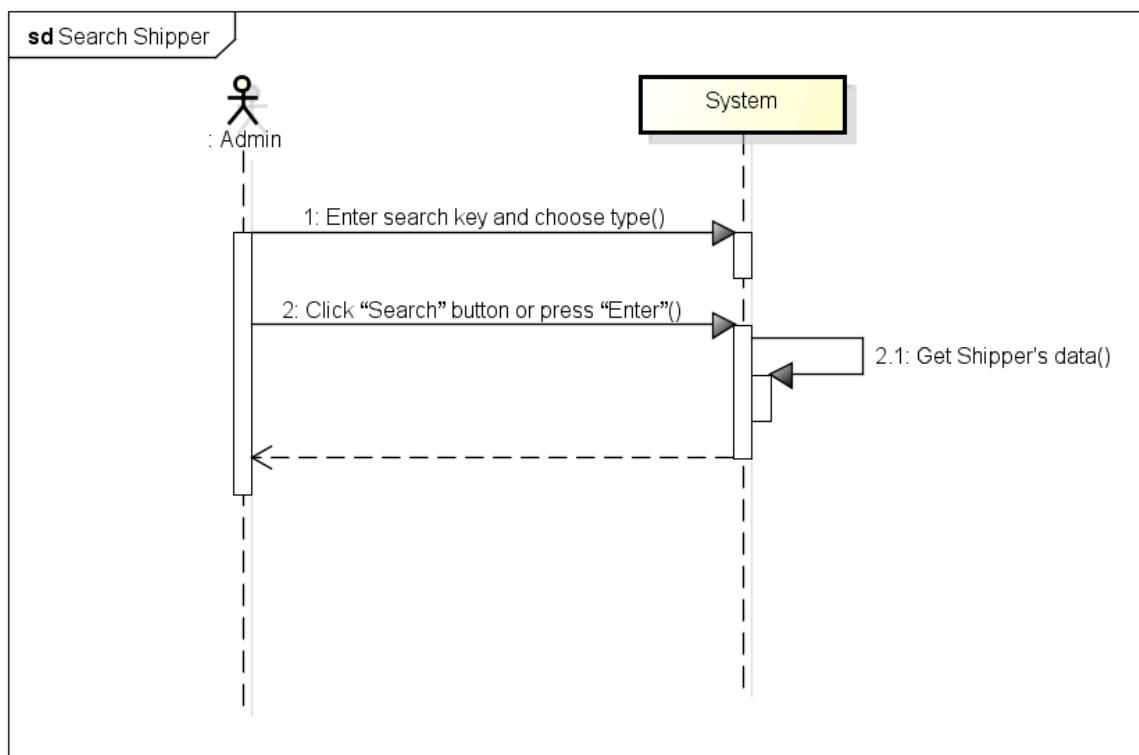


Figure 11: Sequence Diagram for Search Shipper Use case

UC- 117: Search Order

OrderID	Store	To	Status	Date
10342	3S Fashion	Hoang Mai - Ha Noi	Delivering	12-11-2015
10549	H2T Food	Cau Giay - Ha Noi	Done	12-11-2015
01659	H2T Food	Ha Dong - Ha Noi	Gathering	11-08-2015
4				
5				
6				
7				

\* 1 2 3 4 5 \*

Figure 11: Screen of Search Order Use case

<b>Use Case ID:</b>	UC-117	
<b>Use Case Name:</b>	Search Order	
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b> HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 19/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	Admin wants the system to list all Order related to a specific keyword and type, after that, Admin can choose an Order to update information	
<b>Triggering Event:</b>	Admin wants to search Order	
<b>Preconditions:</b>	Admin is in view order's list page ( refer case UC-115 )	
<b>Post conditions:</b>	Display Order as result of search	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Always	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Choose type of Order: Type, Address, Date, Store's name or Shipper's name
2.	Admin	Enter text to "Order" text box
3.	Admin	Clicks "Order" button or press "Enter"
4.	System	Get Shipper's data and display result on screen includes - Search textbox and button - Filter drop-downlist - Related Order's basic information with Update icon button

<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		N/A
EC1	At step 3, Admin doesn't choose any type	
Step	Actor	Action
3.1	System	Set All is default type
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		<ul style="list-style-type: none"> <li>- Result of search is case insensitive</li> <li>- Types of search are Name, Address and ID</li> </ul>
<b>Notes and Issues:</b>		N/A

### Sequence Diagram

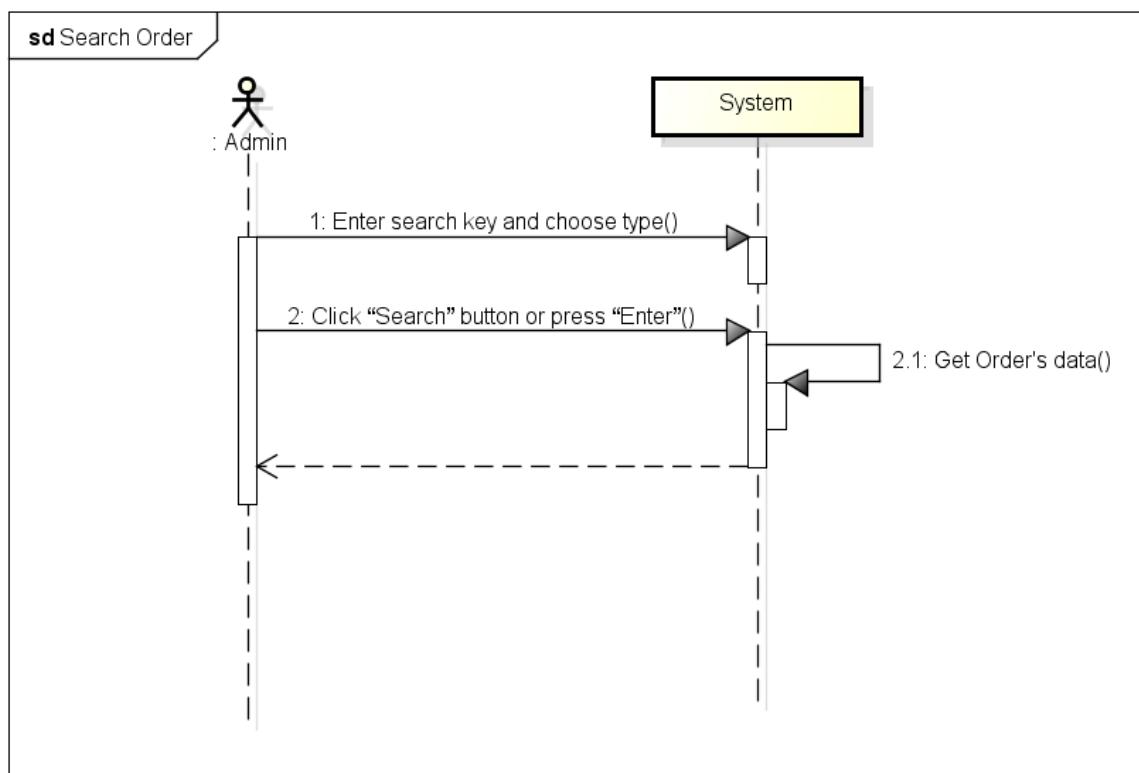


Figure 11: Sequence Diagram for Search Order Use case

UC- 118: View Shipper's profile

The screenshot shows the Admin interface of the Super Shipper System. On the left, there is a sidebar with navigation links: Dashboard, Order, Store, Shipper, Add Shipper, and Logout. The 'Shipper' link is currently selected and highlighted in grey. The main content area displays a user profile for 'Nguyen Van A'. At the top right, there is a circular placeholder for a profile picture. Below it, the name 'Nguyen Van A' is displayed along with the date of birth '12-11-1993' and the institution 'FPT University - D413'. To the right of this information, there are several input fields: 'Name' (Nguyen Van A), 'ShipperID' (SP1234), 'Identity card' (013040324), 'Phone number' (0987654321). Below these, there is a section for 'Address' with the value 'D413 - FPT University - Thach That - Ha Noi'. Further down, there is a 'History' table with columns: '#', 'Date', 'Store's name', 'OrderID', and 'Type'. The table contains seven rows of shipping history. At the bottom right of the main content area, there is a page navigation bar with buttons for '<', '1', '2', '3', '4', '5', and '>'.

<b>Use Case ID:</b>	UC-118	
<b>Use Case Name:</b>	View Shipper's profile	
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b> HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 24/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	Admin views all Shipper's details (address, name, date of birth, phone number, email, address, shipping history...), so after that, Admin can update Shipper information	
<b>Triggering Event:</b>	Admin wants to view profile of a Shipper	
<b>Preconditions:</b>	Admin is in view shipper's list page ( refer case UC-114 )	
<b>Post conditions:</b>	Profile of Shipper is displayed	
<b>Priority:</b>	Normal	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Clicks Shipper's name in row (hyperlink)

2.	System	Load data of selected Shipper and display “View Shipper’s profile” screen includes information of address, name, date of birth, phone number, email, address, shipping history... and Update button
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		N/A
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		N/A
<b>Notes and Issues:</b>		N/A

### Sequence Diagram

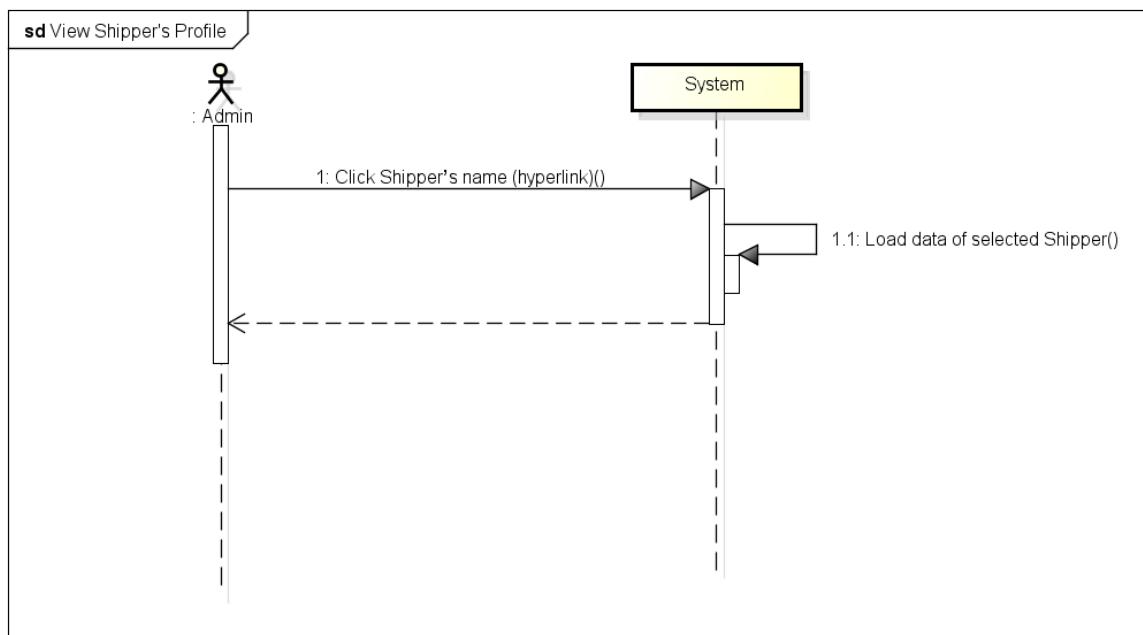
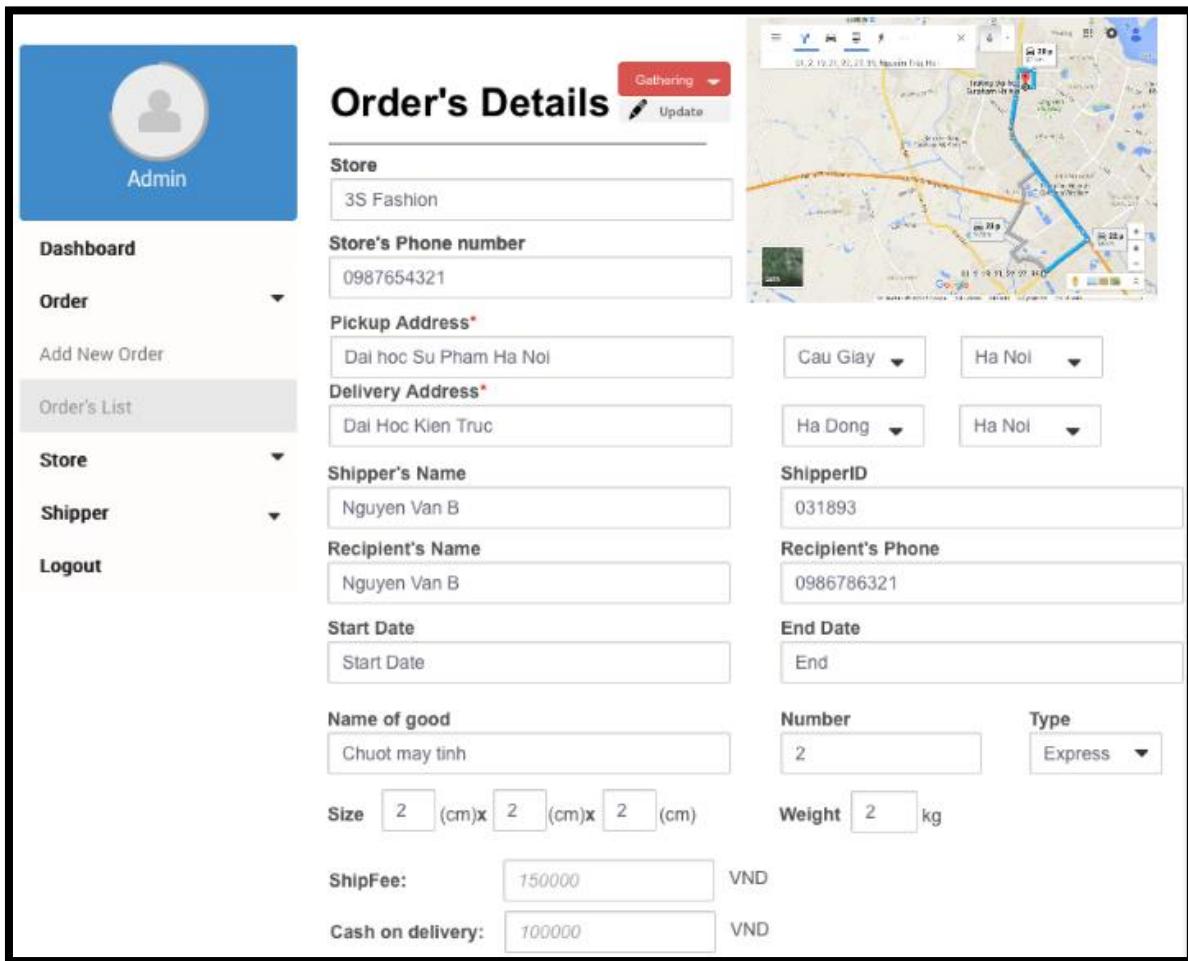


Figure 11: Sequence Diagram of View Shipper’s Profile Use case

UC- 119: View Order's details


The screenshot shows the 'Order's Details' page. On the left, there is a sidebar with a user icon labeled 'Admin' and navigation links for 'Dashboard', 'Order' (selected), 'Add New Order', 'Order's List' (highlighted in grey), 'Store', 'Shipper', and 'Logout'. The main area has a title 'Order's Details' with a 'Gathering' button and an 'Update' link. It contains several input fields and dropdown menus:

- Store:** 3S Fashion
- Store's Phone number:** 0987654321
- Pickup Address\***: Dai hoc Su Pham Ha Noi
- Delivery Address\***: Dai Hoc Kien Truc
- Shipper's Name:** Nguyen Van B
- Recipient's Name:** Nguyen Van B
- Start Date:** Start Date
- Name of good:** Chuot may tinh
- Number:** 2
- Type:** Express
- Size:** 2 (cm)x 2 (cm)x 2 (cm)
- Weight:** 2 kg
- ShipFee:** 150000 VND
- Cash on delivery:** 100000 VND

A map is displayed in the top right corner, showing a route from the pickup address to the delivery address.

<b>Use Case ID:</b>	UC-119		
<b>Use Case Name:</b>	View Order's details		
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b>	HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	19/09/2015
<b>Actor:</b>	Admin		
<b>Description:</b>	Admin views all Order's details (status of the order , store's name, pickup and delivery address and date, shipper's name, recipient's name, recipient's phone, goods, type of delivery, size, fee, cash on delivery, ...), so after that, Admin can update Shipper information		
<b>Triggering Event:</b>	Admin wants to view all information of the Order		
<b>Preconditions:</b>	Admin is in view shipper's list page ( refer case UC-115)		
<b>Post conditions:</b>	Details of Order is displayed		
<b>Priority:</b>	Normal		
<b>Frequency of Use:</b>	Sometime		
<b>Main flow</b>			
Step	Actor	Action	
1.	Admin	Clicks Order's name in row (hyperlink)	

2.	System	Load data of selected Order and display to “View Order’s details” screen includes information of status of the order , store’s name, pickup and delivery address and date, shipper’s name, recipient’s name, recipient’s phone, goods, type of delivery, size, fee, cash on delivery, ...
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		N/A
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		N/A
<b>Notes and Issues:</b>		N/A

### Sequence Diagram

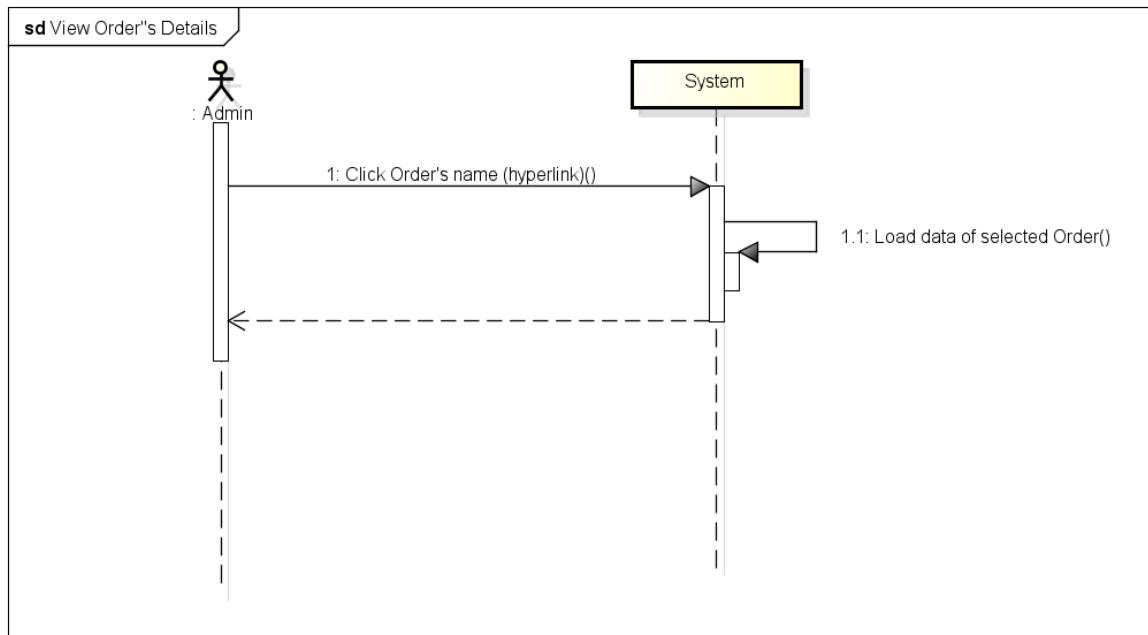


Figure 11: Sequence Diagram for View Order Details Use case

UC- 120: Update Shipper

Nguyen Van A  
12-11-1993  
FPT University - D413

**Dashboard**

**Order**

**Store**

**Shipper**

Add New Shipper

Shipper's List

Assign Task

Logout

Name: Nguyen Van A

Date of birth: 12-11-1993

Identity card: 013040324

Email: 3sfashion@gmail.com

Phone number: 0987654321

Address: D413 - FPT University - Thach That - Ha Noi

**Update**

<b>Use Case ID:</b>	UC-120	
<b>Use Case Name:</b>	Update Shipper	
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b> HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 19/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	Admin modifies an existed Shipper with related information about name, date of birth, identity card, email, phone number, address,..	
<b>Triggering Event:</b>	Admin wants to update Shipper's information	
<b>Preconditions:</b>	Admin is in view shipper's list page ( refer case UC-114)	
<b>Post conditions:</b>	Information of Shipper is updated in database	
<b>Priority:</b>	Normal	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Clicks icon “Update” button
2.	System	Get data of selected Shipper and display “Update Shipper” screen includes textbox of information about name, date of birth, identity card, email, phone number, address,..
3.	Admin	Enter new information to fields then clicks “Update” button
4.	System	Validate input
5.	System	Update Shipper's new information to database then redirects to Shipper's profile page
<b>Alternative Flows:</b>		
AT1	At step 1, if admin clicks “View Shipper's profile”	

Step	Actor	Action
1	Admin	Clicks Shipper's name in row (hyperlink)
2	System	Display "View Shipper's profile" screen
3	Admin	Clicks "Update" button below avatar
4	System	Go to step 6 of main flow and continue
<b>Exceptions:</b>		
EC1	At step 4, if any required field is not entered	
Step	Actor	Action
4.1	System	Notify by error message in screen "* is required"
EC2	At step 4, if any entered field is incorrect format	
Step	Actor	Action
4.1	System	Notify by error message in screen "* is incorrect format"
<b>Includes:</b> N/A		
<b>Special Requirements:</b> - The field with '*' can't be blank		
<b>Notes and Issues:</b> N/A		

### Sequence Diagram

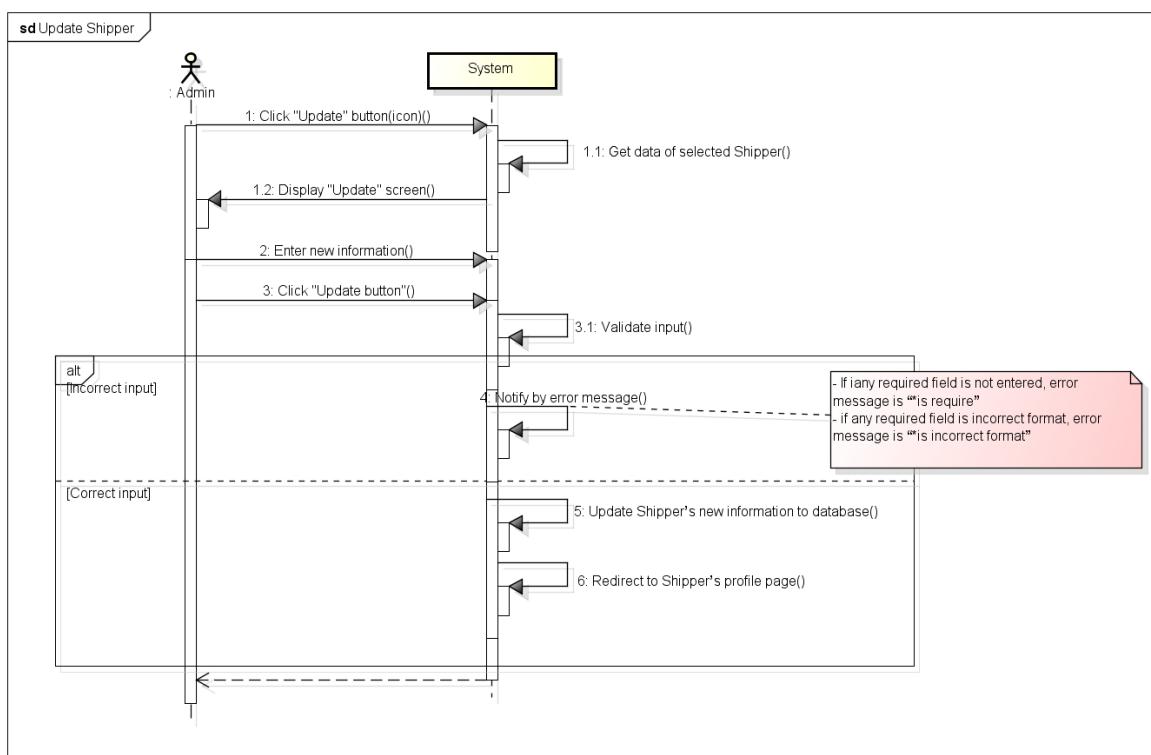


Figure 11: Sequence Diagram for Update Shipper Use case

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UC- 121: Update Order

<b>Use Case ID:</b>	UC-121	
<b>Use Case Name:</b>	Update Order	
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b> HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 19/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	Admin modifies an existed Order with related information about status of the order, store's name, pickup and delivery address and date, shipper's name, recipient's name, recipient's phone, goods, type of delivery, size, fee, cash on delivery, ...	
<b>Triggering Event:</b>	Admin wants to update Order's information	
<b>Preconditions:</b>	Admin is in view shipper's list page ( refer case UC-115)	
<b>Post conditions:</b>	Information of Order is updated	
<b>Priority:</b>	Normal	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Clicks "Update" button

2.	System	Get data of selected Order and display “Update Order” screen includes textbox of status of the order, store’s name, pickup and delivery address and date, shipper’s name, recipient’s name, recipient’s phone, goods, type of delivery, size, fee, cash on delivery, ... and Update button
3.	Admin	Enter new information to fields then clicks “Update” button
4.	System	Validate input
5.	System	Update Order’s new information to database then redirects to Order’s details page
<b>Alternative Flows:</b>		
AT1	At step 1, if admin clicks “View Order’s details”	
Step	Actor	Action
1	Admin	Clicks Order’s name in row (hyperlink)
2	System	Display “View Order’s details” screen
3	Admin	Clicks “Update” button below avatar
4	System	Go to step 6 of main flow and continue
<b>Exceptions:</b>		
EC1	At step 4, if any required field is not entered	
Step	Actor	Action
4.1	System	Notify by error message “* is required” in screen
EC2	At step 4, if any entered field is incorrect format	
Step	Actor	Action
4.1	System	Notify by error message “* is incorrect format” in screen
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		- The field with ‘*’ can’t be blank
<b>Notes and Issues:</b>		N/A

### Sequence Diagram

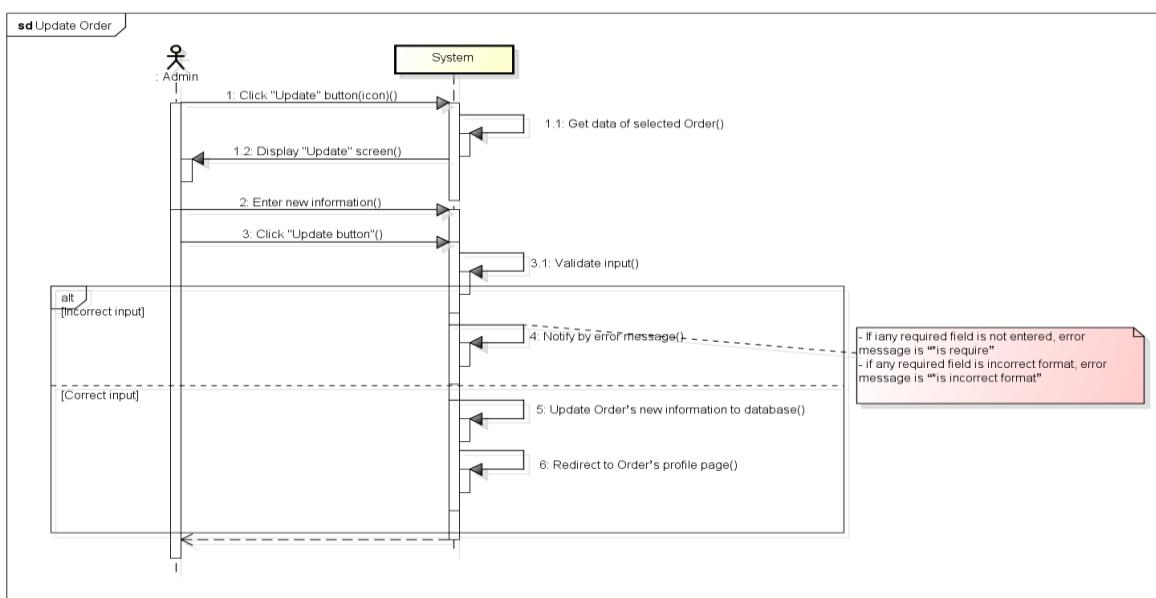


Figure 11: Sequence Diagram for Update Order Use case

UC- 122: Add new Order

The screenshot shows the 'Add new Order' interface. On the left is a sidebar with a user icon and the title 'Admin'. Below it are links for Dashboard, Order (which is selected and highlighted in grey), Add New Order, Order's List, Store, Shipper, and Logout. The main area is titled 'Add new Order'. It contains several input fields: 'Store\*' with 'Store's name' and 'Store's phone number'; 'Pickup Address\*' with 'Address', 'District', and 'City' dropdowns; 'Delivery Address\*' with 'Address', 'District', and 'City' dropdowns; 'Recipient's Name' with 'Recipient's name'; 'Start Date' and 'End Date' fields; 'Name of good\*' with 'Things'; 'Number\*' with 'Number' and 'Type' (set to 'Express'); 'Size\*' with fields for L, W, and H in cm; 'Weight' with kg; 'ShipFee' with 'Shipping Cost' in VND; 'Cash on delivery' with 'Receive money' in VND; and an 'Add' button at the bottom right.

<b>Use Case ID:</b>	UC-122	
<b>Use Case Name:</b>	Add Order	
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b> HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 19/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	Admin creates a new Order for Store with related information	
<b>Triggering Event:</b>	Admin wants to add a new Order to system	
<b>Preconditions:</b>	Admin logged in to system	
<b>Post conditions:</b>	New Order is added to database	
<b>Priority:</b>	Low	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Admin	Clicks "Order" button in left navigate bar
2.	System	Display "Order" menu includes Add New Order, Order's List
3.	Admin	Clicks "Add new Order" button

4.	System	Display “Add new Order” form includes textbox of store’s name, pickup and delivery address and date, shipper’s name, recipient’s name, recipient’s phone, goods, type of delivery, size, fee, cash on delivery, ... and Add button
5.	Admin	Enter new Order’s information into fields
6.	Admin	Clicks “Add” button to add new Order
7.	System	Validate input
8.	System	Add new Shipper to database then redirects to “Shipper’s List” page
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1	At step 7, if any required field is not entered	
Step	Actor	Action
7.1	System	Notify in screen by error message “*is require”
EC2	At step 8, if any entered field is incorrect format	
Step	Actor	Action
7.2	System	Notify in screen by error message “* is incorrect format”
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		<ul style="list-style-type: none"> <li>- When Admin enters existed Store’s name, store’s address and phone will be generated automatically</li> <li>- The field with ‘*’ can’t be blank</li> </ul>
<b>Notes and Issues:</b>		N/A

### Sequence Diagram

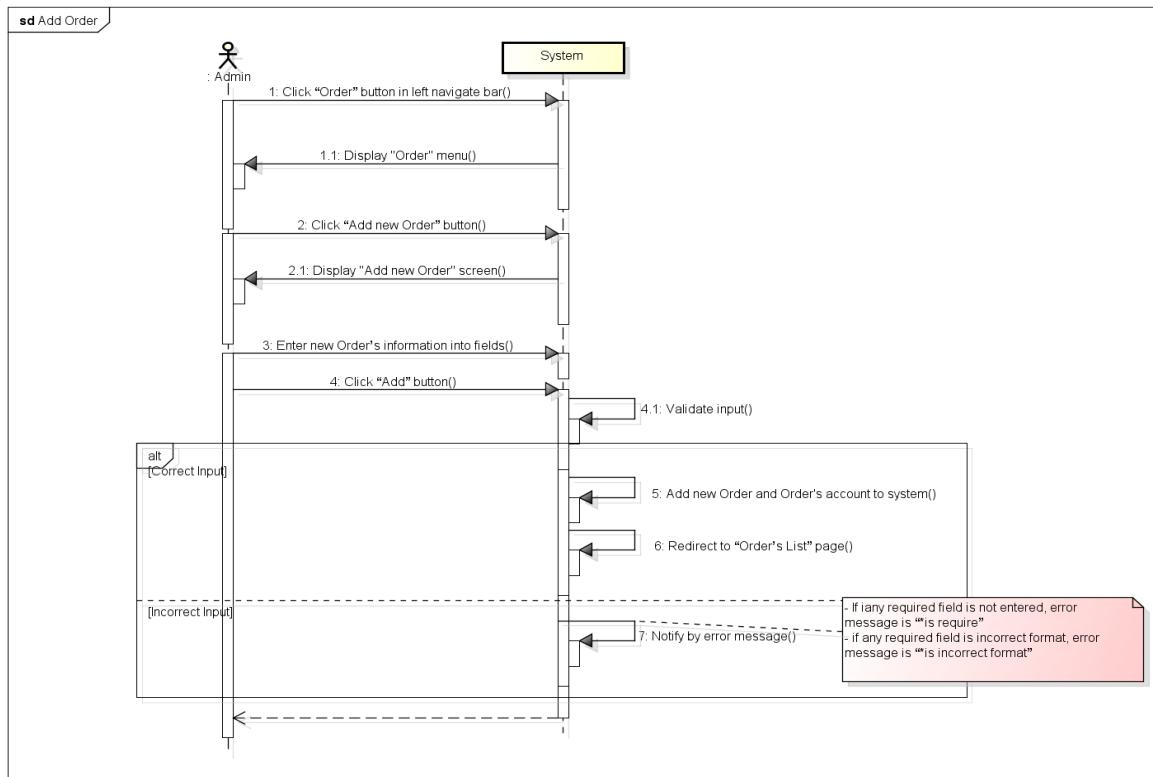
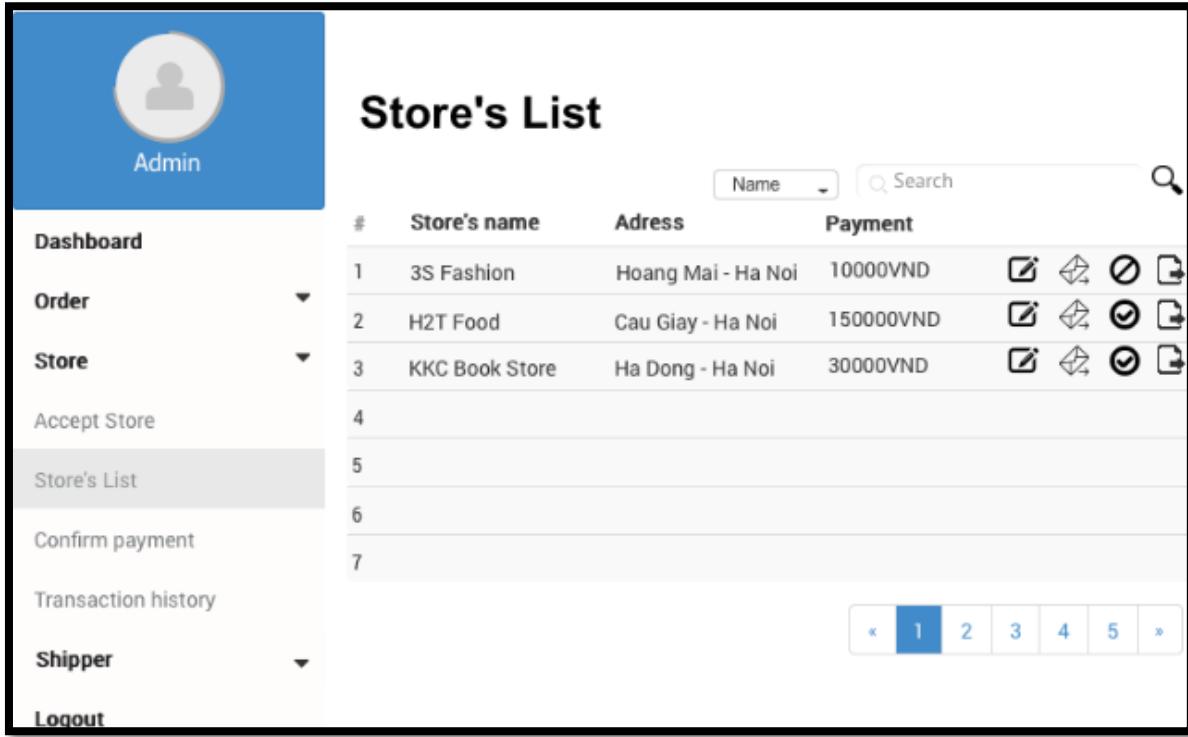


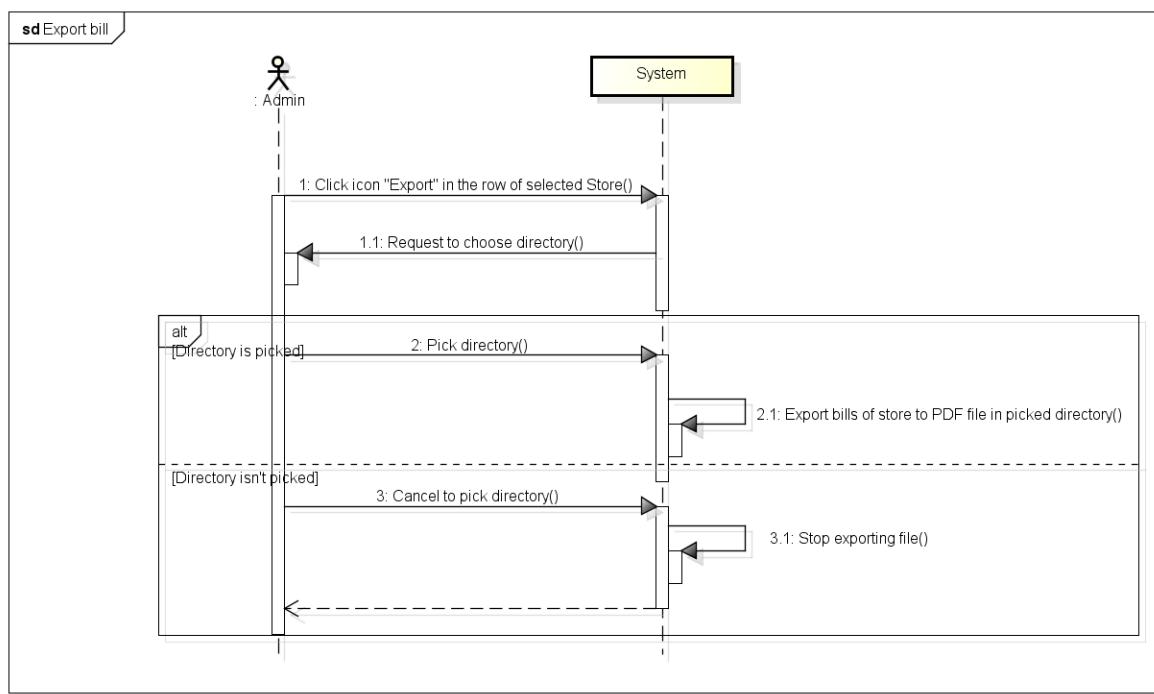
Figure 11: Sequence Diagram for Add Order Use case

UC- 123: Export Bill

<b>Use Case ID:</b>	UC-123	
<b>Use Case Name:</b>	Export Bill	
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b> HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 19/09/2015
<b>Actor:</b>	Admin	
<b>Description:</b>	Admin chooses store to export to pdf file to print or send to Store, the content of pdf file contains transaction history of this Store so it can show to store how much money that store needs to pay	
<b>Triggering Event:</b>	Admin wants to export bills to pdf file	
<b>Preconditions:</b>	Admin is in view store's list page ( refer case UC-107 )	
<b>Post conditions:</b>	An PDF file is exported	
<b>Priority:</b>	Medium	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
1.	Admin	Clicks icon “Export” button
2.	System	Show File Chooser dialog for Admin
3.	Admin	Choose location (directory) for exported file
4.	System	Export these orders to PDF file to location

<b>Alternative Flows:</b>	N/A
<b>Exceptions:</b>	
EC1	At step 3, if Admin doesn't choose any folder
Step	Actor
3.1	System
<b>Includes:</b> N/A	
<b>Special Requirements:</b>	
<ul style="list-style-type: none"> <li>- Exported file must be in pdf format</li> <li>- System must display only directory for saving exported file</li> </ul>	
<b>Notes and Issues:</b> N/A	

### Sequence Diagram



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Figure 11: Sequence Diagram for Export bill Use case

UC- 124: Assign Task

**Assign Task**

SHIPPER		ORDER				
		Name	Search	OrderID	Store	Recipient
ID	Full name	SP01364	Nguyễn Văn A	01364	3S Fashion	Ha Dong - Ha Noi
		SP03498	Trần B	03498	H2T Food	Ha Dong - Ha Noi
		SP01123	Phạm C	01123	KKC Book	Ha Dong - Ha Noi

**SHIPPER**

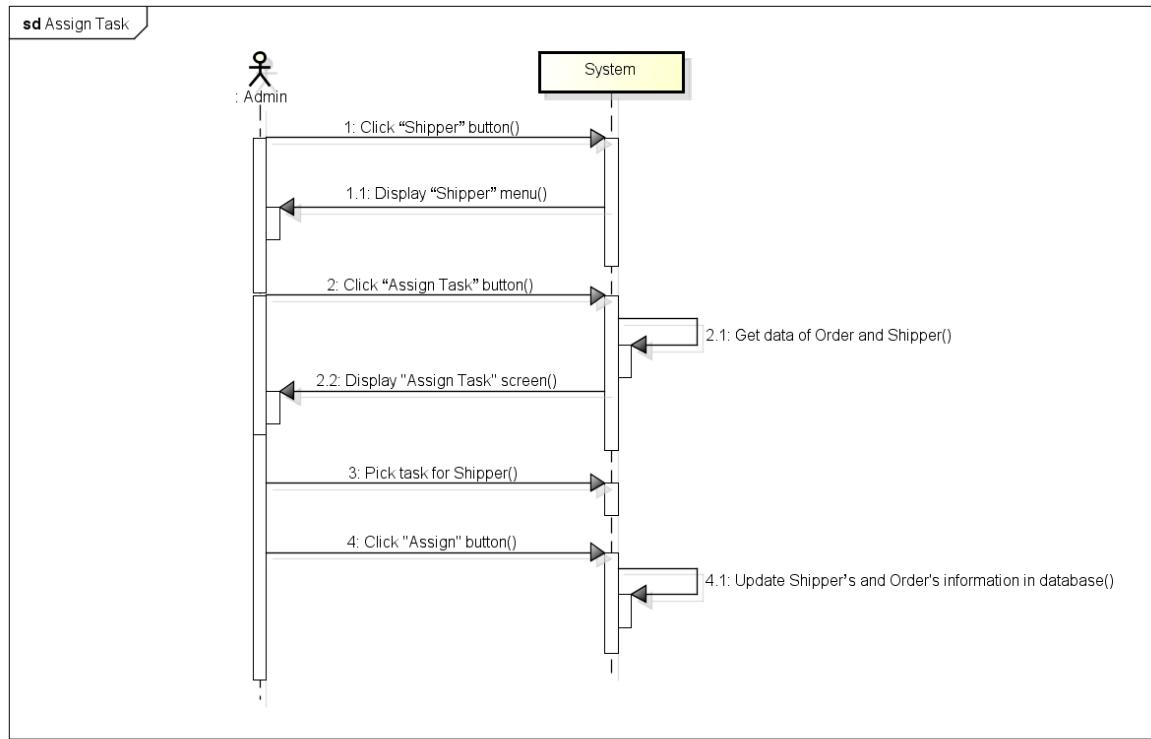
**ORDER**

**Assign**

<b>Use Case ID:</b>	UC-124		
<b>Use Case Name:</b>	Assign Task		
<b>Created By:</b>	HoangNK	<b>Last Updated By:</b>	HoangNK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	19/09/2015
<b>Actor:</b>	Admin		
<b>Description:</b>	Admin assigns orders which hasn't been assign for any Shipper to available Shipper		
<b>Triggering Event:</b>	Admin wants to assign task for Shipper		
<b>Preconditions:</b>	Admin logged in to system		
<b>Post conditions:</b>	Task is assigned for Shipper		
<b>Priority:</b>	High		
<b>Frequency of Use:</b>	Often		
<b>Main flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1.	Admin	Clicks "Shipper" button in left navigate bar	
2.	System	Display "Shipper" menu in left navigate bar includes Add Shipper, Assign Task, Shipper's List	
3.	Admin	Clicks "Assign Task" button	
4.	System	Get data of Order and Shipper then display "Assign Task" screen includes: - 2 table of available Shipper and Order with basic information and a checkbox	

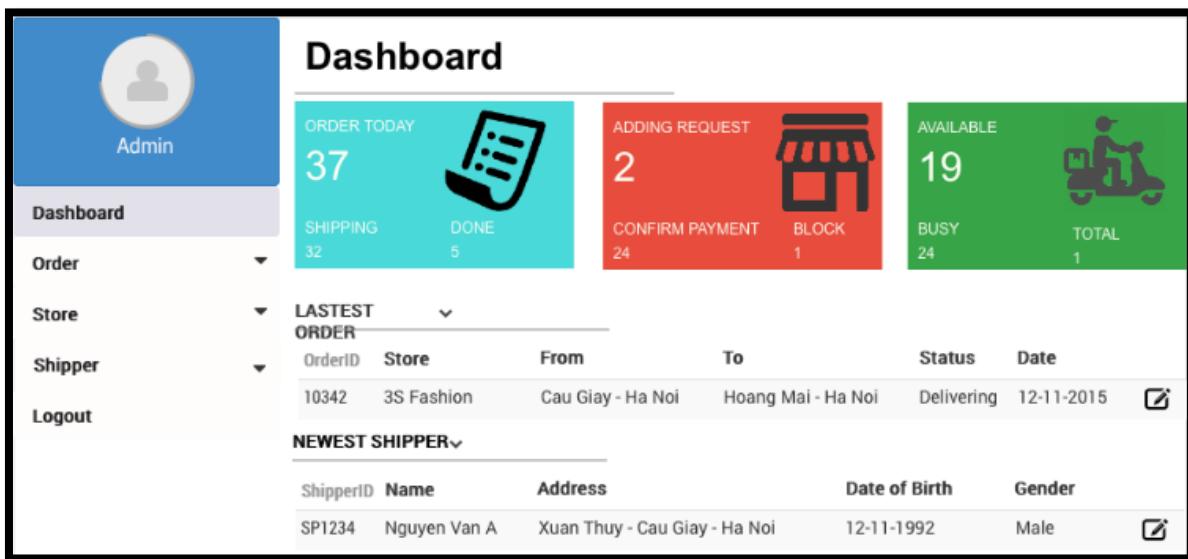
		- Search textbox and Filter on each table
5.	Admin	Pick a Shipper in Shipper's list then pick Order for this Shipper in Order's list then clicks "Assign" button
6.	System	Hide picked orders from Order's list and update Shipper's information in database
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1	At step 5, if Admin doesn't pick any order	
Step	Actor	Action
5.1	System	Order isn't active to pick and "Assign" button isn't active to clicks
EC2	At step 5, if Admin checks a picked order	
Step	Actor	Action
5.2	System	Order is showed in order's list
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		<ul style="list-style-type: none"> <li>- Available Shippers are displayed in Shipper's list</li> <li>- Available Orders are displayed in Order's list</li> </ul>
<b>Notes and Issues:</b>		N/A

### Sequence Diagram



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Figure 11: Sequence Diagram for Assign Task Use case

UC- 125: View Dashboard

<b>Use Case ID:</b>	UC-125
<b>Use Case Name:</b>	View dashboard
<b>Created By:</b>	HoangNK
<b>Date Created:</b>	19/09/2015
<b>Actor:</b>	Admin
<b>Description:</b>	A view of some statistics about order, shipper, store and other information (latest order, newest shipper,...) is displayed to Admin so Admin has a general view about order, store and shipper
<b>Triggering Event:</b>	Admin wants to dashboard with the statistics
<b>Preconditions:</b>	Admin logged in to system
<b>Post conditions:</b>	Dashboard screen with statistics is displayed
<b>Priority:</b>	Normal
<b>Frequency of Use:</b>	Sometime
<b>Main flow</b>	
Step	Actor
1.	Admin
	Clicks “Dashboard” button in left navigate bar
2.	System
	Display “Dashboard” screen includes: - Statistics of order, shipper and store in box - Latest information about order, shipper in table
<b>Alternative Flows:</b>	
<b>Exceptions:</b>	
<b>Includes:</b>	
<b>Special Requirements:</b>	
<b>Notes and Issues:</b>	

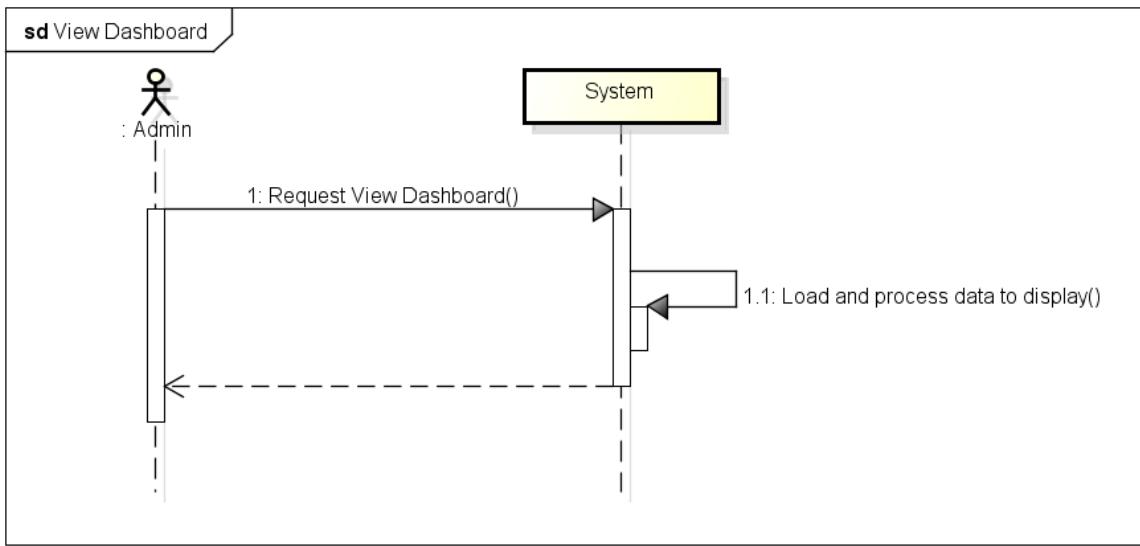
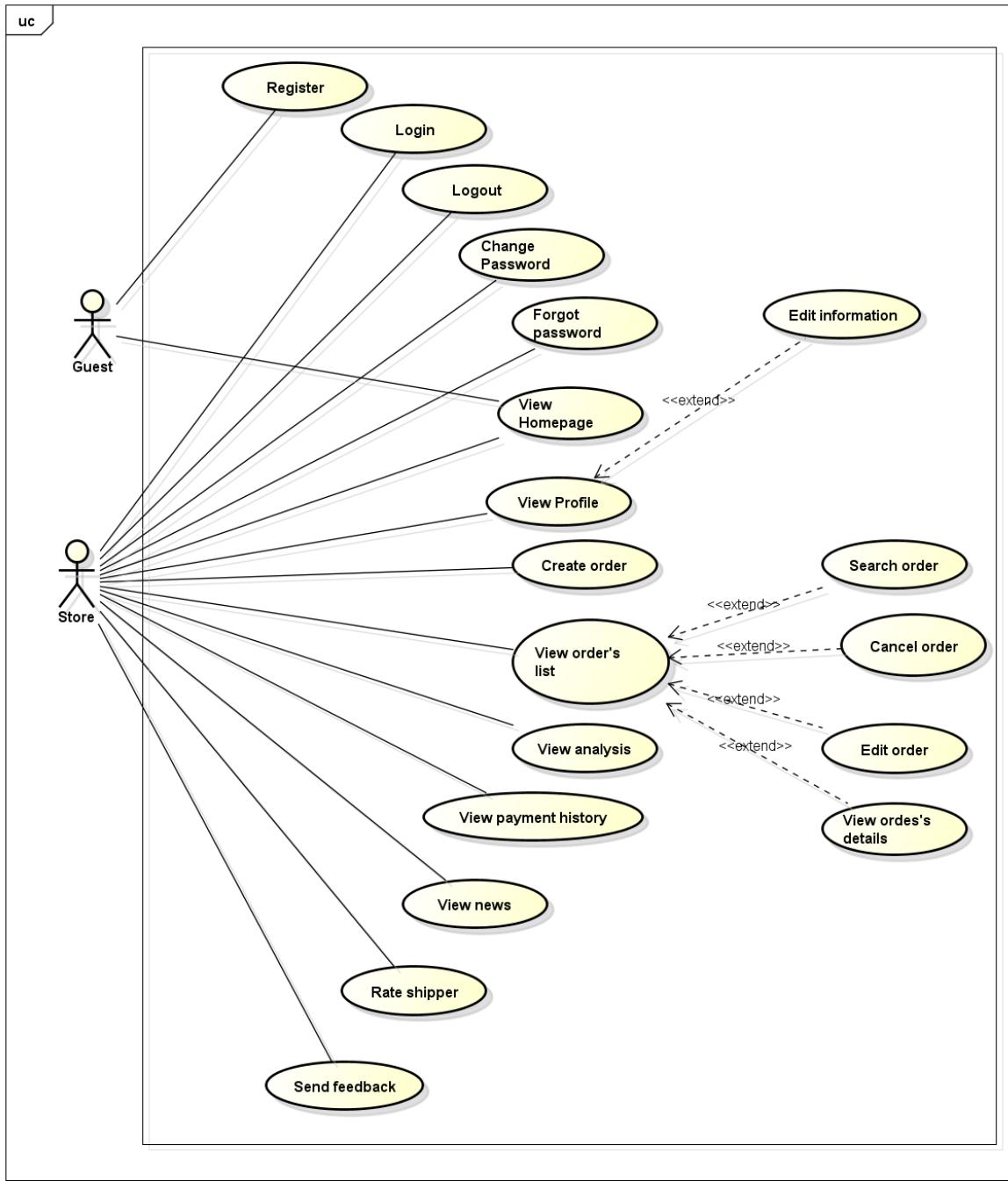
**Sequence Diagram**

Figure 11: Sequence Diagram for View Dashboard Use case

## 1.2. Web application for Store

### 1.2.1. User Case Diagram



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### 1.2.2. Function

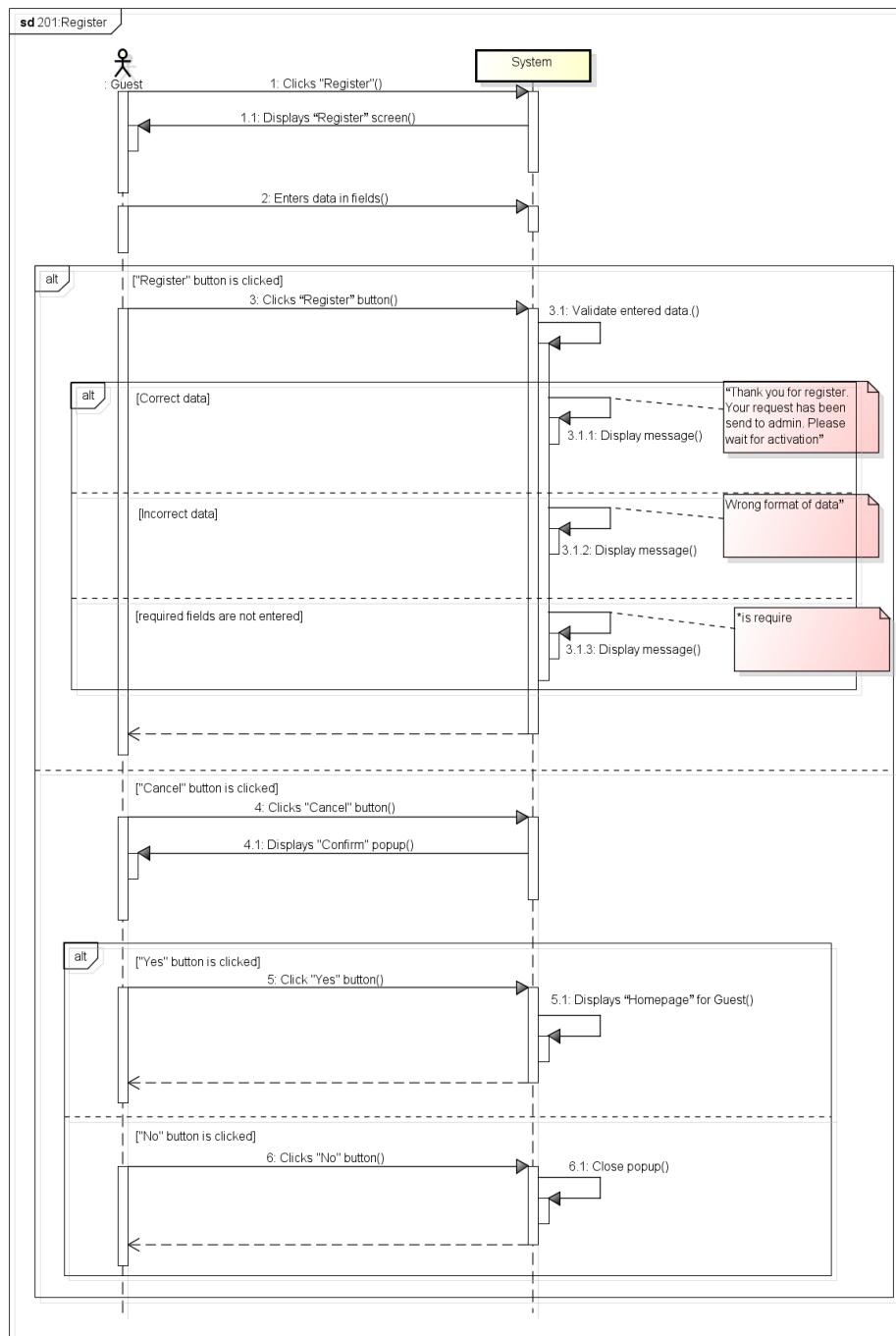
UC-201: Register

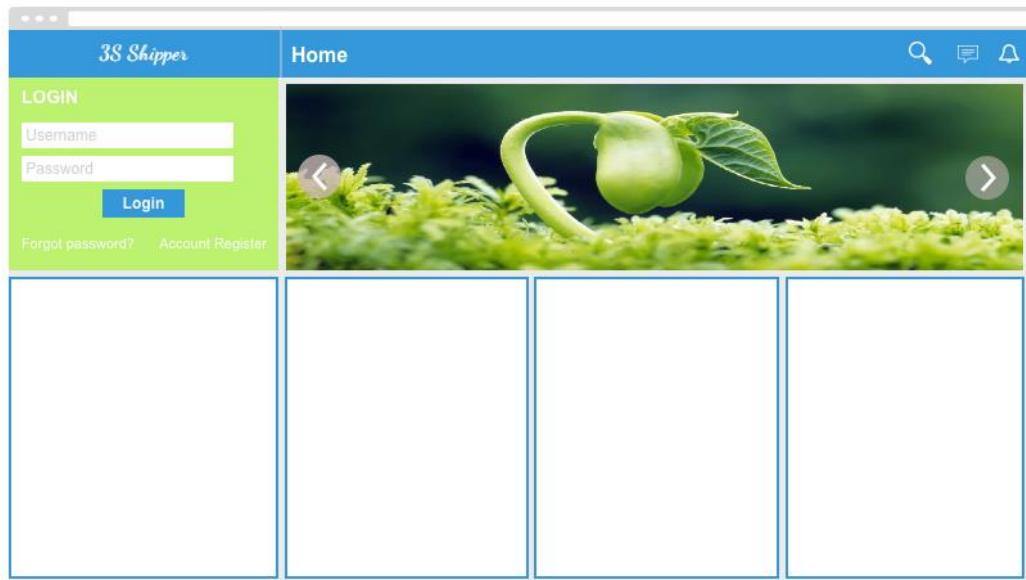
The screenshot shows a registration form titled "REGISTER NOW". It contains three input fields: "Fullname", "Email", and "Phone". Below these is a checkbox labeled "I agree with terms of 3S Shipper". At the bottom are two buttons: "Cancel" and "Next". The background of the page is light blue with the text "3S Shipper" at the bottom.

<b>Use Case ID:</b>	UC-201	
<b>Use Case Name:</b>	Register	
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b> KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 20/09/2015
<b>Actor:</b>	Guest	
<b>Description:</b>	Visitor can creates new account to use more function as a registered Store	
<b>Triggering event:</b>	Guest wants to register a new account.	
<b>Preconditions:</b>	Guest on 3S website	
<b>Post conditions:</b>	<ul style="list-style-type: none"> <li>- Account's information have been saved to database</li> <li>- Confirm email have been send to Guest</li> <li>- </li> </ul>	
<b>Priority:</b>	Normal	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Guest	Clicks "Register"
2.	System	Displays "Register" screen includes: <ul style="list-style-type: none"> <li>- Full name</li> <li>- Email text box</li> <li>- Phone number text box</li> <li>- Register button</li> <li>- Cancel button</li> <li>- "I agree with term of 3S Shipper" check box</li> </ul>

		- Terms hyperlink.
3.	Guest	Enters data in fields
4.	Guest	Clicks “Register”
5.	System	Validate entered data.
6.	System	Sends confirm email to Guest
7.	System	Displays “Confirm Registered” message. “Thank you for register. Your request has been send to admin. Please wait for activation”
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1	Store Clicks “Cancel” button	
Step	Actor	Action
1.1	Store	Clicks “Cancel” button.
1.1	System	Displays “Confirm” popup
1.2	Store	Clicks “Yes” button
1.3	System	Displays “Homepage” for Guest
EC2	At step 1.2, Store Clicks on “No” button.	
Step	Actor	Action
1.2.1	Store	Clicks “No” button.
1.2.2	System	Closes popup.
EC3	At step 4, required fields are not entered	
Step	Actor	Action
4.1	Store	Clicks “Register” button
4.2	System	Displays error message on “Register” screen “*is require”
EC4	At step 5, entered data are wrong type of data	
Step	Actor	Action
4.1	Store	Clicks “Register” button
4.2	System	Displays error message at wrong fields: “Wrong format of data”
<b>Includes:</b>		
<b>Special Requirements:</b>		<ul style="list-style-type: none"> <li>- Username must not yet exist in database.</li> <li>- Length of Phone must between 8 and 11.</li> <li>- Email must be under the standard format.</li> </ul>
<b>Notes and Issues:</b>		

## Sequence Diagram

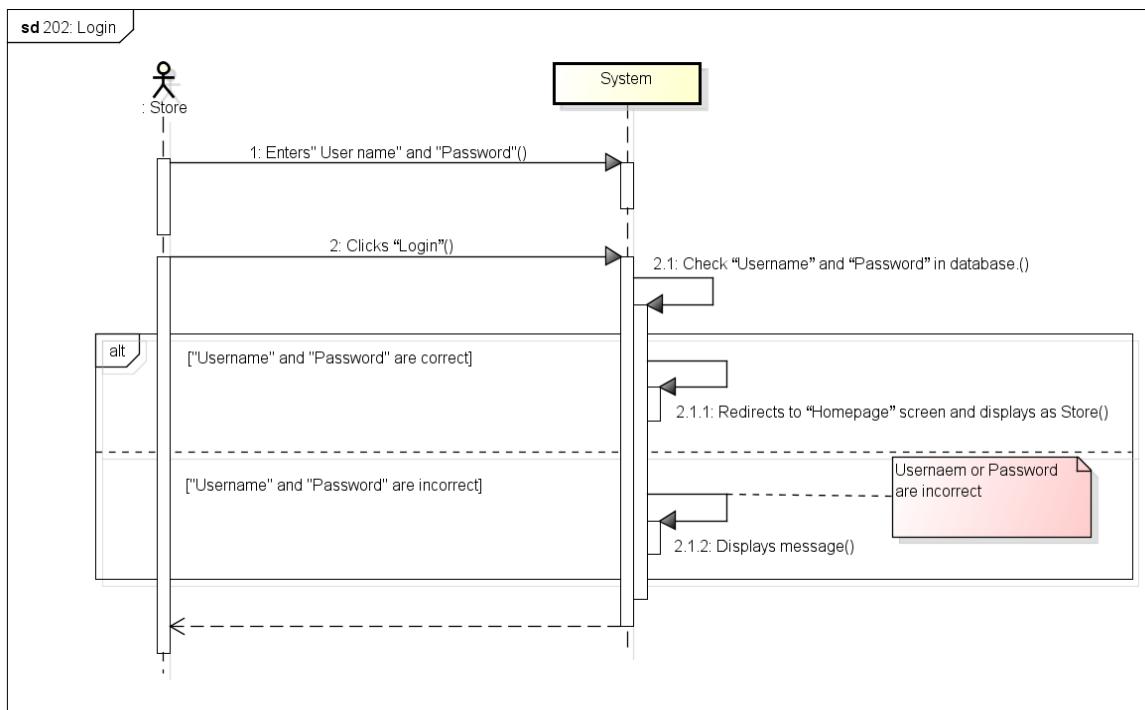


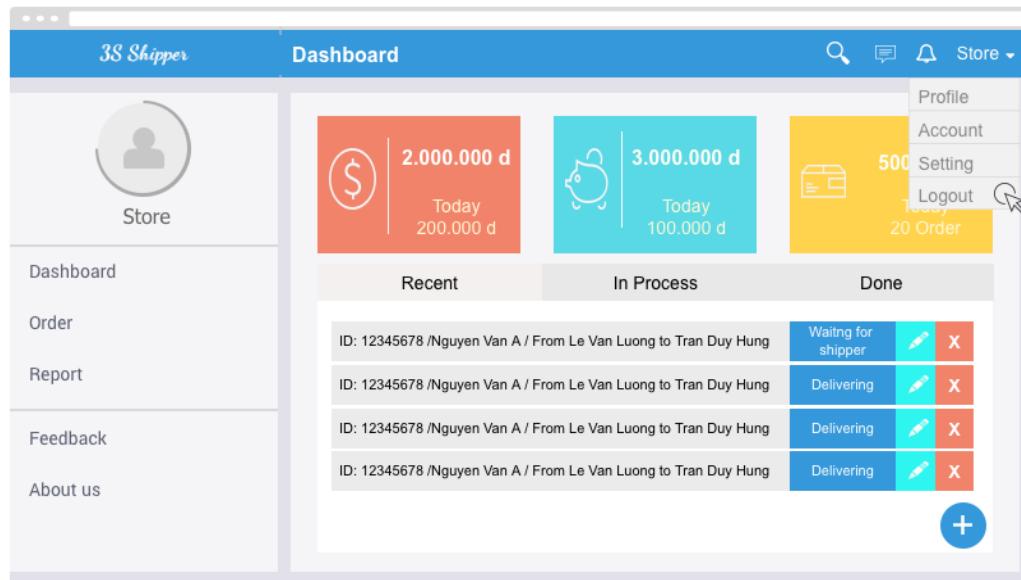
**UC-202: Login**

<b>Use Case ID:</b>	UC-202		
<b>Use Case Name:</b>	Login		
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b>	KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last Updated:</b>	20/09/2015
<b>Actor:</b>	Store		
<b>Description:</b>	Users who are not logged in to system can only view the “Homepage”. Store needs to logins to system to use functions of system.		
<b>Triggering event:</b>	Store wants to login to system		
<b>Preconditions:</b>	Store is on the “Homepage” of 3S website Store account must be exists		
<b>Post conditions:</b>	Logs Store into system Redirects Store to “Homepage” screen (Refer to UC-218: View Homepage) and displays as Store		
<b>Priority:</b>	High		
<b>Frequency of Use:</b>	Sometime		
<b>Main flow</b>			
Step	Actor	Action	
6.	Store	Enters User name and Password	
7.	Store	Clicks “Login”	
8.	System	Check “Username” and “Password” in database.	
9.	System	Logs Store into system	
10.	System	Redirects to “Homepage” screen and displays as Store	
<b>Alternative:</b>			

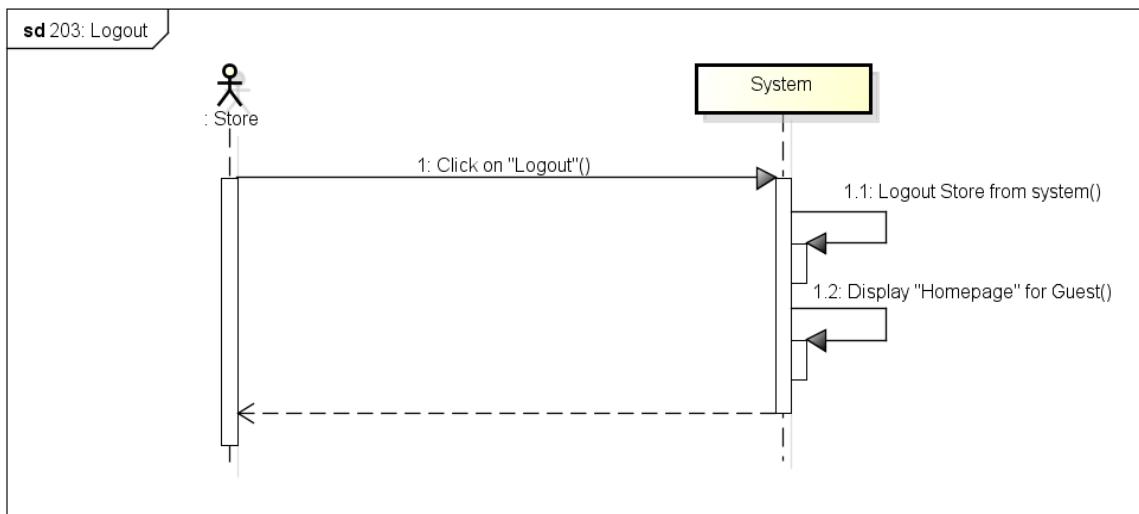
<b>Exceptions:</b>		
EC1	At step 3 in main flow, if Store entered wrong User name or Password	
Step	Actor	Action
3.1	System	Displays message “Username or Password is wrong”
<b>Includes:</b>		N/A
<b>Special</b>		N/A
<b>Notes and Issues:</b>		N/A

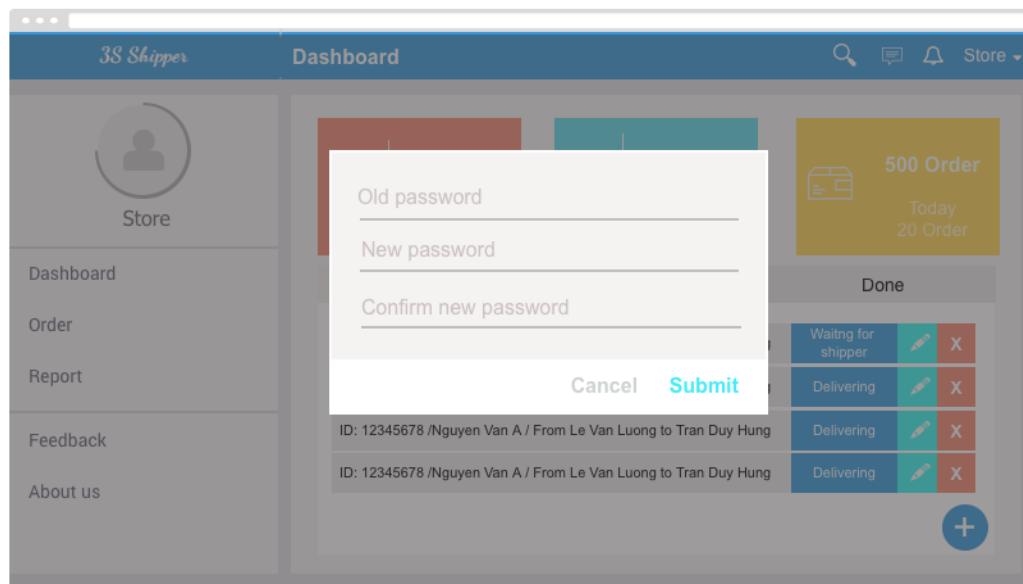
### Sequence Diagram



UC-203: Logout

<b>Use Case ID:</b>	UC-203	
<b>Use Case Name:</b>	Logout	
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b> KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 20/09/2015
<b>Actor:</b>	Store	
<b>Description:</b>	When Store logs out from system, Store will not continue using functions of system. Store needs to log in again to be able to use the function of system.	
<b>Triggering event:</b>	Store wants to log out from system.	
<b>Preconditions:</b>	Store logged in to system	
<b>Post conditions:</b>	Logs Store out from system. Redirects Store to "Login" screen	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Often	
<b>Main flow</b>		
Step	Actor	Action
4.	Store	Clicks Logout
5.	System	Logs out Store from system
6.	System	Displays Homepage for Guest
<b>Alternative Flows:</b>		
<b>Exceptions:</b> N/A		
<b>Includes:</b> N/A		
<b>Special Requirements:</b> N/A		
<b>Notes and Issues:</b> N/A		

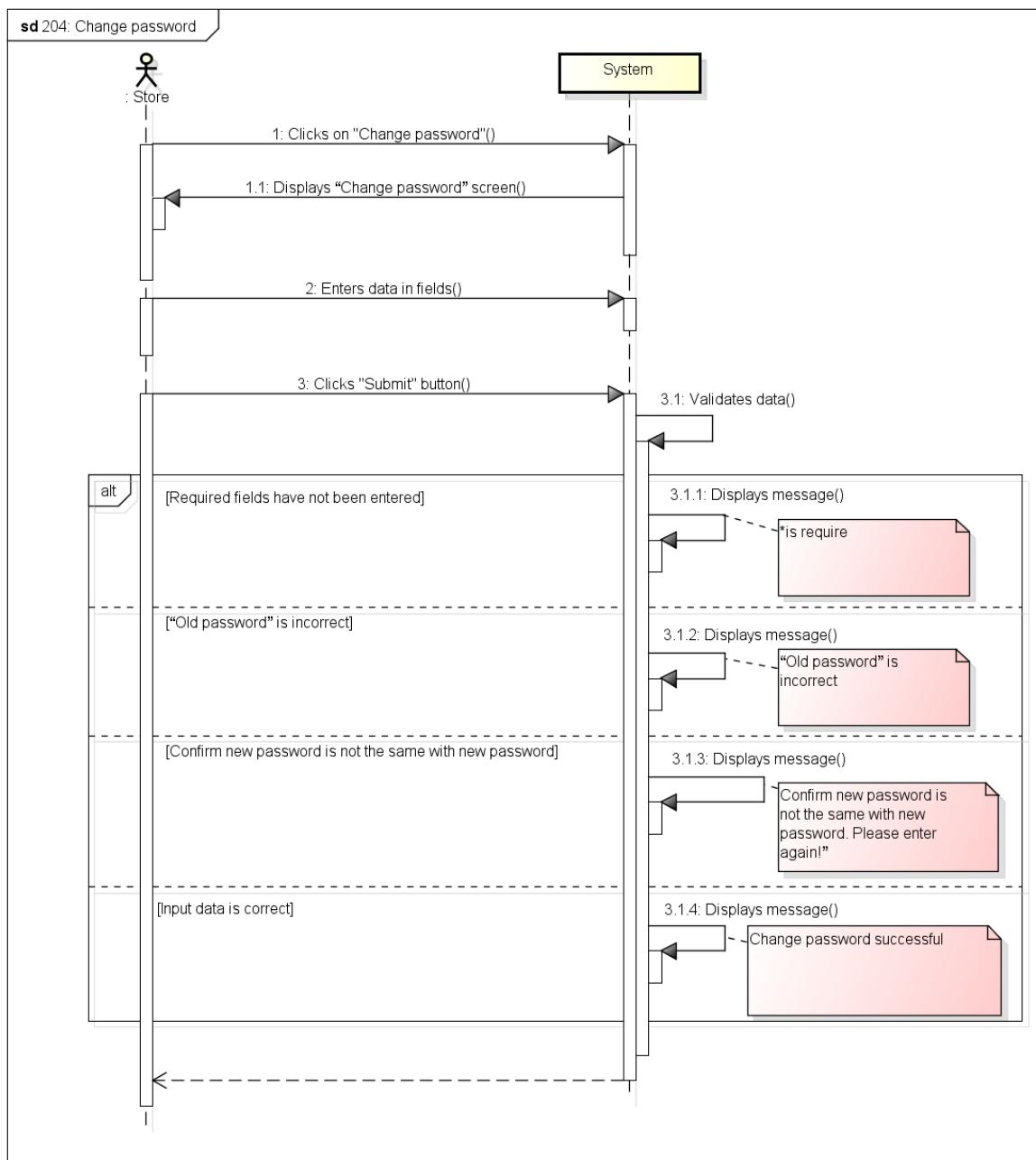
***Sequence Diagram***

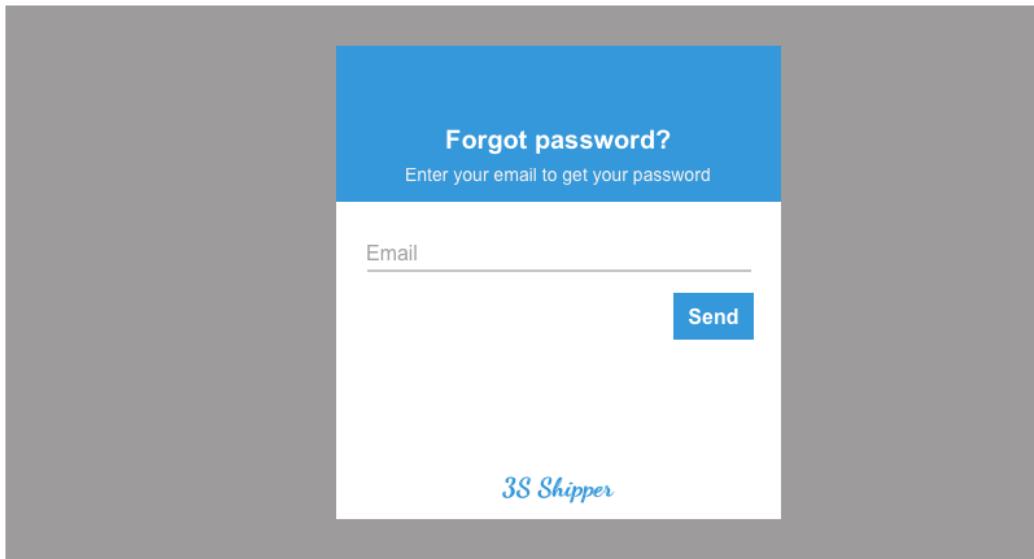
**UC-204: Change password**

<b>Use Case ID:</b>	UC-204	
<b>Use Case Name:</b>	Change password	
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b> KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 20/09/2015
<b>Actor:</b>	Store	
<b>Description:</b>	Store can change login password but Store need to remember old password.	
<b>Triggering event:</b>	Store wants to change password.	
<b>Preconditions:</b>	Store logged in to system	
<b>Post conditions:</b>	New password has been saved in database.	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
7.	Store	Clicks "Change password"
8.	System	Displays "Change password" screen includes: - Old password text box - New password text box - Confirm new password text box - Submit button
9.	Store	Enters data in fields
10.	Store	Clicks "Submit" button
11.	System	Validates data

12.	System	Displays “Change password” screen with message “Changes password successful”
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1	At step 4, required fields are not entered	
Step	Actor	Action
4.1	System	Displays “Change password” screen with error message “*is require”
EC2	At step 4, “Old password” is incorrect	
Step	Actor	Action
4.1	System	Displays “Change password” screen with error message: “Old password is incorrect”
EC3	At step 4, confirm new password is not the same with new password	
Step	Actor	Action
4.1	System	Displays “Change password” screen with error message.” Confirm new password is not the same with new password. Please enter again!”
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		
Length of “New password” must between 6 and 10.		
<b>Notes and Issues:</b>		N/A

### Sequence Diagram

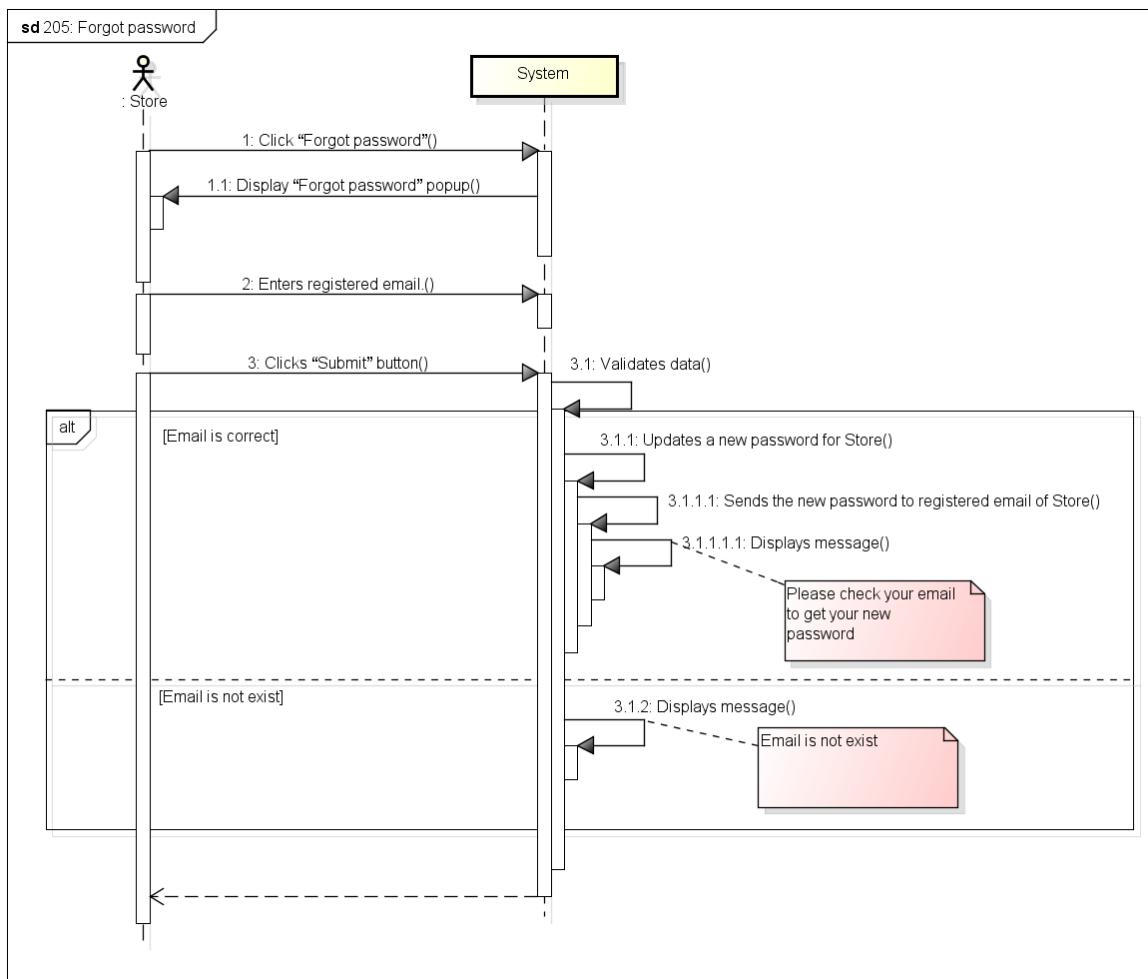


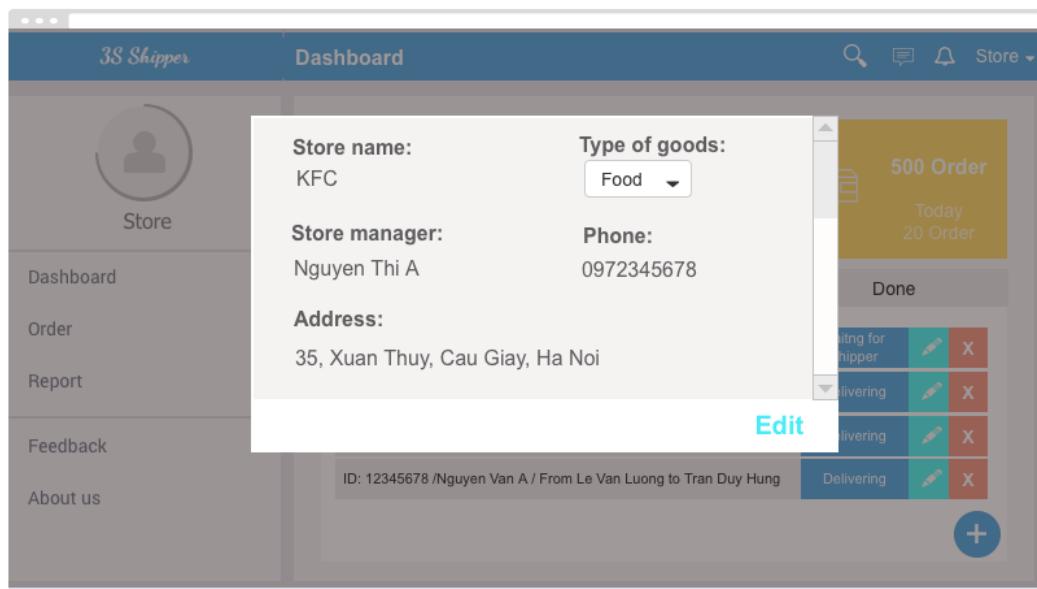
**UC-205: Forgot password**

<b>Use Case ID:</b>	UC-205	
<b>Use Case Name:</b>	Forgot password	
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b> KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 20/09/2015
<b>Actor:</b>	Store	
<b>Description:</b>	This function help Store receive their login password when Store forgot.	
<b>Triggering event:</b>	Store requests system to receive new password.	
<b>Preconditions:</b>	Store is on the “Login” popup (Refer to UC-202: Login)	
<b>Post conditions:</b>	<ul style="list-style-type: none"> <li>- A new password has been updated for Store</li> <li>- An email has been send to registered email of Store include new password.</li> </ul>	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
9.	Store	Clicks “Forgot password” hyperlink on “Login” popup
10.	System	Displays “Forgot password” popup includes: - Email text box - Submit button
11.	Guest	Enters registered email.
12.	Guest	Clicks “Submit” button
13.	System	Validates data
14.	System	Updates a new password for Store

15.	System	Sends the new password to registered email of Store
16.	System	Displays message : "Please check your email to get your new password"
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1	At step 3, email are not a registered email	
Step	Actor	Actor
4.1	System	Displays error message:" Email is not exist"
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		N/A
<b>Notes and Issues:</b>		N/A

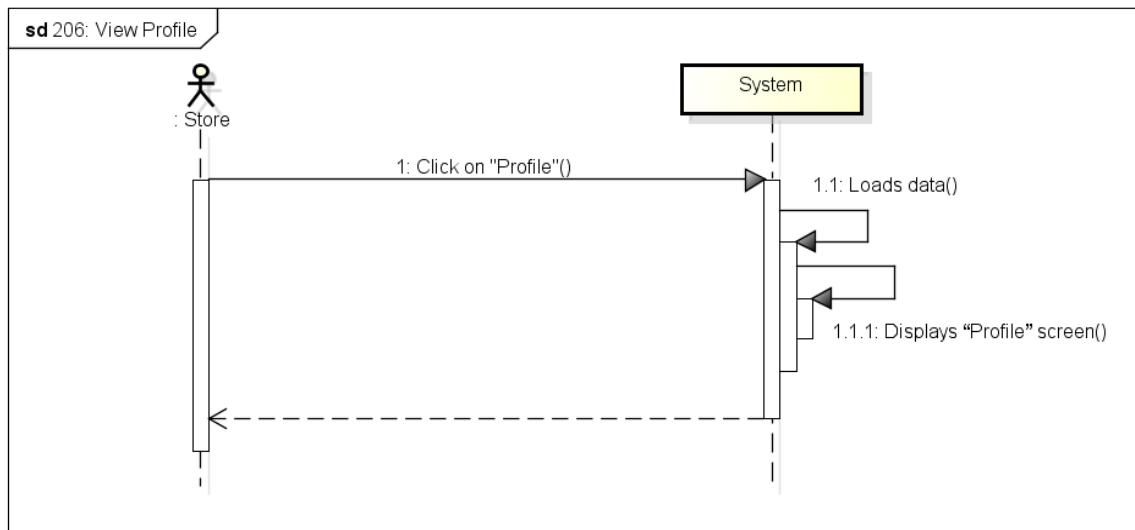
### Sequence Diagram



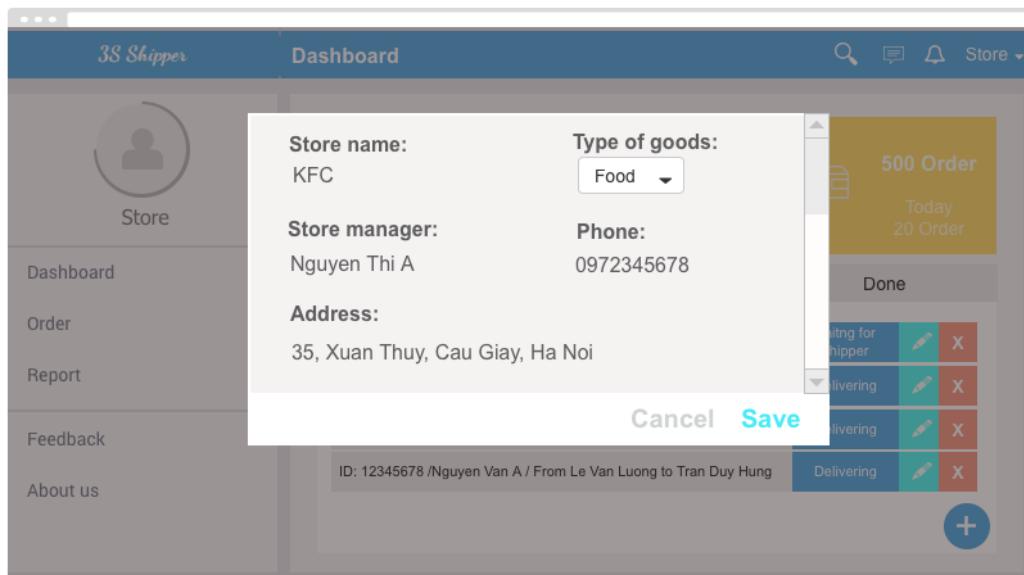
UC-206: View profile

<b>Use Case ID:</b>	UC-206	
<b>Use Case Name:</b>	View profile	
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b> KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 20/09/2015
<b>Actor:</b>	Store	
<b>Description:</b>	“View profile” screen Displays detail information of Store such as Store name; type of goods, Store address...and a “Edit” button that help Store edits those information.	
<b>Triggering event:</b>	Store wants to view profile.	
<b>Preconditions:</b>	Store logged into system.	
<b>Post conditions:</b>	“Profile” screen are displayed	
<b>Priority:</b>	Normal	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Store	Clicks on “Profile” hyperlink.
2.	System	Loads data
3.	System	Displays “Profile” screen includes details information of Store
<b>Alternative Flows:</b> N/A		
<b>Exceptions:</b> N/A		
<b>Includes:</b> N/A		
<b>Special Requirements:</b> N/A		
<b>Notes and Issues:</b> N/A		

*Sequence Diagram*



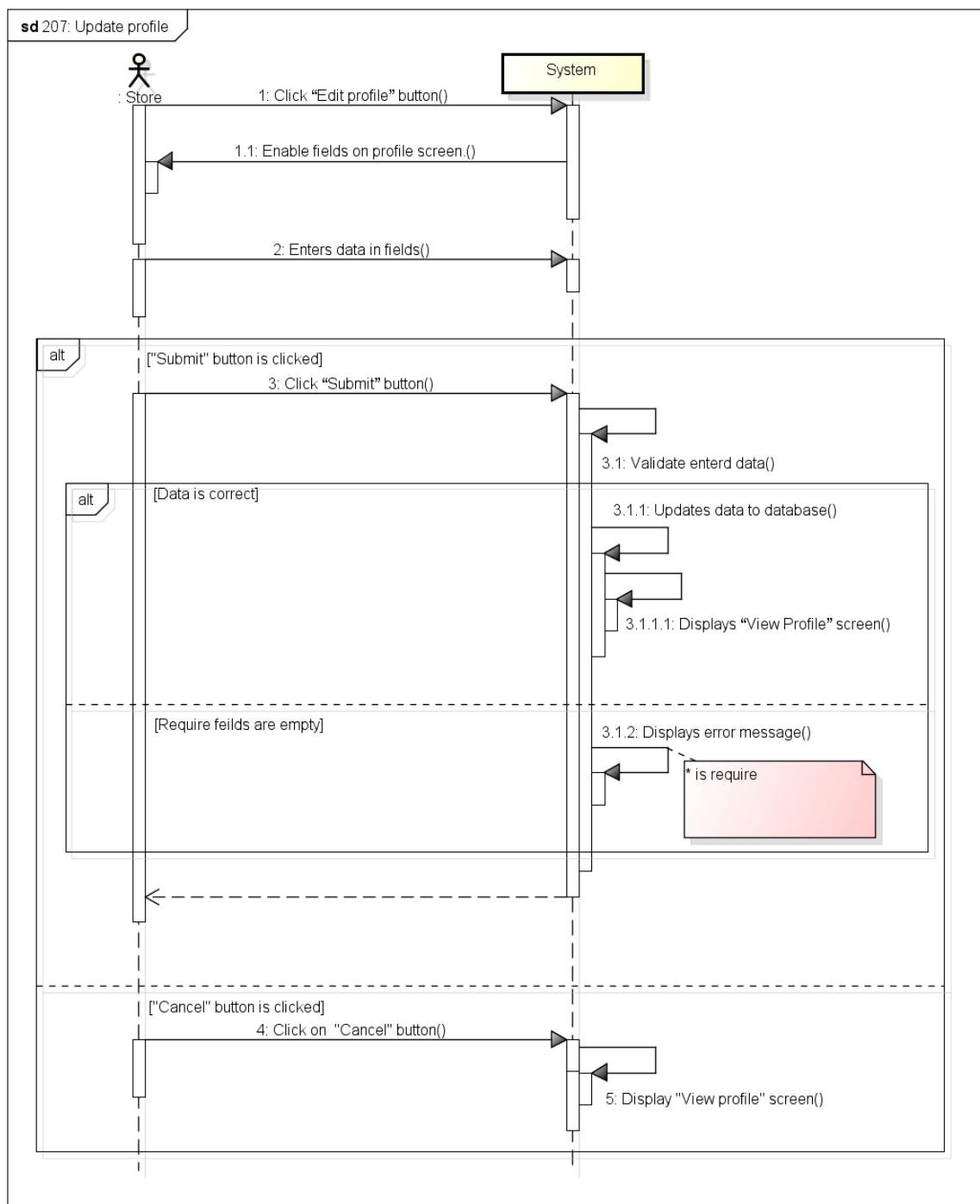
### UC-207: Update profile



<b>Use Case ID:</b>	UC-207		
<b>Use Case Name:</b>	Update profile		
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b>	KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	20/09/2015
<b>Actor:</b>	Store		
<b>Description:</b>	Store can edit detail information such as: Store name; type of goods; Store address... This information will be updated to database.		
<b>Triggering event:</b>	Store wants to update profile.		
<b>Preconditions:</b>	Store are on "Profile" screen		
<b>Post conditions:</b>	New profile have been displays on "Profile screen" and updated in database.		

<b>Priority:</b>	Normal	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Store	Clicks “Update profile” button on “Profile” screen
2.	System	Enable fields on profile screen.
3.	Store	Enters data in fields
4.	Store	Clicks “Submit” button
5.	System	Validates entered data.
6.	System	Updates data to database
7.	System	Displays “View Profile” screen. (Refer to UC-206: View Profile”)
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1	At step 3, require fields are empty	
Step	Actor	Action
4.1	System	Displays error message at empty fields: “* is required”
EC2	At step 4, Store Clicks “Cancel” button	
Step	Actor	Action
4.1	System	Displays “View profile” screen (Refer to UC-206: View Profile”)
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		N/A
<b>Notes and Issues:</b>		

### Sequence Diagram



**UC-208: Create order**

The screenshot shows the 'Create order' screen. On the left is a sidebar with a user icon and links: Home, Dashboard, Analysis, Feedback, and About us. The main area has two columns: 'Pickup information' and 'Order information'. 'Pickup information' includes fields for 'Shop's name' and 'Address'. 'Order information' includes fields for 'Name of goods', 'Amount', 'Weight gram', 'Length x Width x High cm', and checkboxes for 'Express' and 'Cash on delivery'. Below these are 'Delivery information' fields for 'Fullname', 'Phone', and 'Address', and 'Payment' fields for 'Time delivery'. At the bottom are 'Pickup code' (AB2D) and 'Delivery code' (6D4G), and a summary table showing 'Ship fee: 0', 'Cash on delivery: 0', and 'Total: 0'. A large blue 'Create' button is at the bottom right.

<b>Use Case ID:</b>	UC-208		
<b>Use Case Name:</b>	Create order		
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b>	KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	20/09/2015
<b>Actor:</b>	Store		
<b>Description:</b>	Store creates an order to requests delivery service from system		
<b>Triggering event:</b>	Store wants to create a new order.		
<b>Preconditions:</b>	Store are logged into system.		
<b>Post conditions:</b>	Order information have been send to system and saved to database.		
<b>Priority:</b>	High		
<b>Frequency of Use:</b>	Always		
<b>Main flow</b>			
Step	Actor	Action	
1.	Store	Clicks "Create order" button	
2.	System	Displays "Create order" screen includes: - "From" text box - "Pick up locations" text box - "To" text box - "Delivery address" text box - "Phone" text box - "Weight" text box - "Size" text box - "Vehicle" drop down list - "Express" checkbox - "Delivery Time" time picker	

		- “Pick up Time” time picker - “Cash on delivery” check box - “Amount of money” text box - “Submit” button - “Cancel” button
3.	Store	Enters data in fields
4.	Store	Clicks “Submit” button
5.	System	Validate data
6.	System	Updates data to database
7.	System	Displays “Order details” screen (Refer to UC-213: Order’s details)

**Alternative Flows:**

AT1	At step 3, Store checks on “Express” check box.	
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Step	Actor	Action
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3.1	System	Disables “Time delivery” text box
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**Exceptions:**

EC1	At step 4, required fields are empty	
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Step	Actor	Action
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4.1	System	Displays Register screen with error message “*is require”
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EC3	At step 4, Store Clicks “Cancel” button	
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Step	Actor	Action
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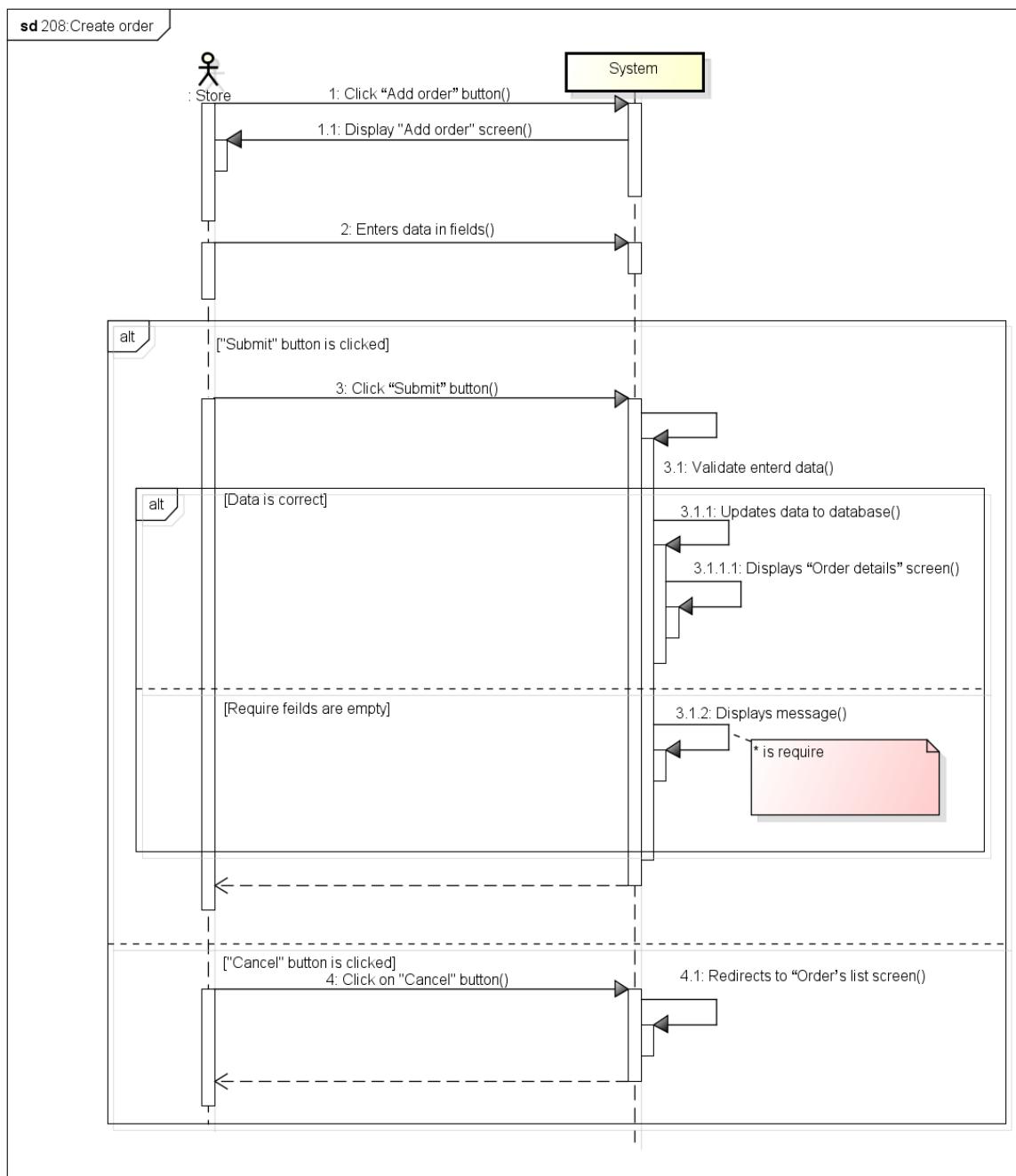
4.1	System	Redirects Store to “Order’s list screen
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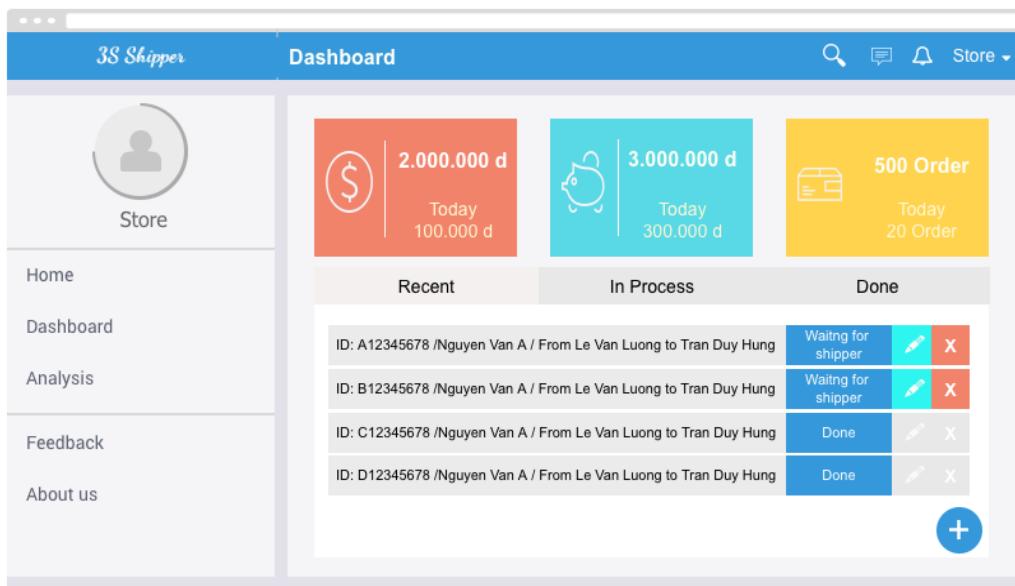
	<b>Includes:</b>	N/A
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	<b>Special Requirements:</b>	N/A
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	<b>Notes and Issues:</b>	N/A
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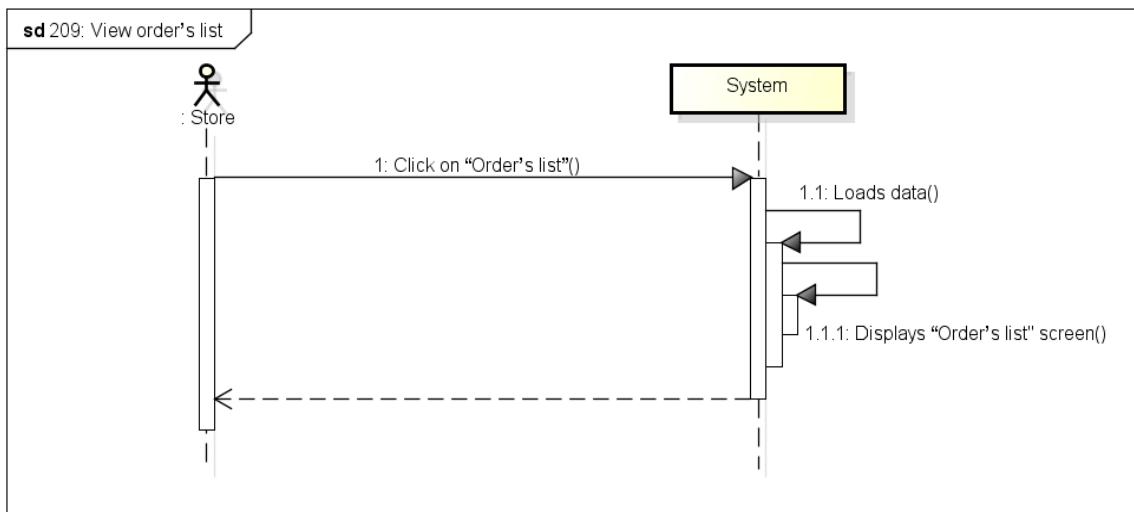
### Sequence Diagram



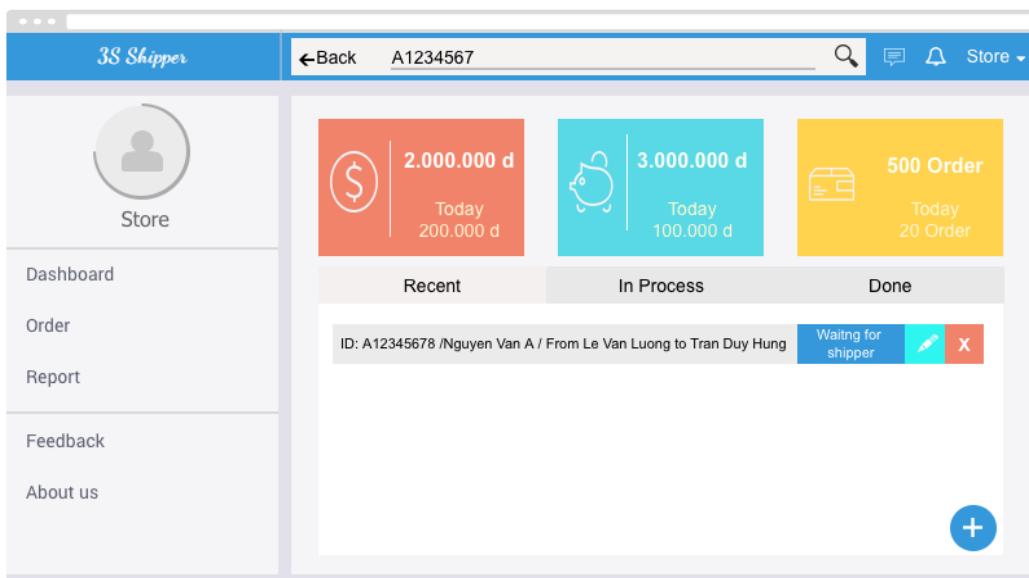
UC-209: View order's list

<b>Use Case ID:</b>	UC-209	
<b>Use Case Name:</b>	View order's list	
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b> KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 20/09/2015
<b>Actor:</b>	Store	
<b>Description:</b>	“View order’s list” screen Displays list of all order created by Store with brief information of orders and function buttons that help Store cancels and edits information of orders.	
<b>Triggering event:</b>	Store wants to view list of order.	
<b>Preconditions:</b>	Store logged into system.	
<b>Post conditions:</b>	“Order’s list” screen are displayed	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Always	
<b>Main flow</b>		
Step	Actor	Action
1.	Store	Clicks on “Order’s list” menu
2.	System	Loads data
3.	System	Displays “Order’s list” screen
<b>Alternative Flows:</b>	N/A	
<b>Exceptions:</b>	N/A	
<b>Includes:</b>	N/A	
<b>Special Requirements:</b>	N/A	
<b>Notes and Issues:</b>	N/A	

### Sequence Diagram



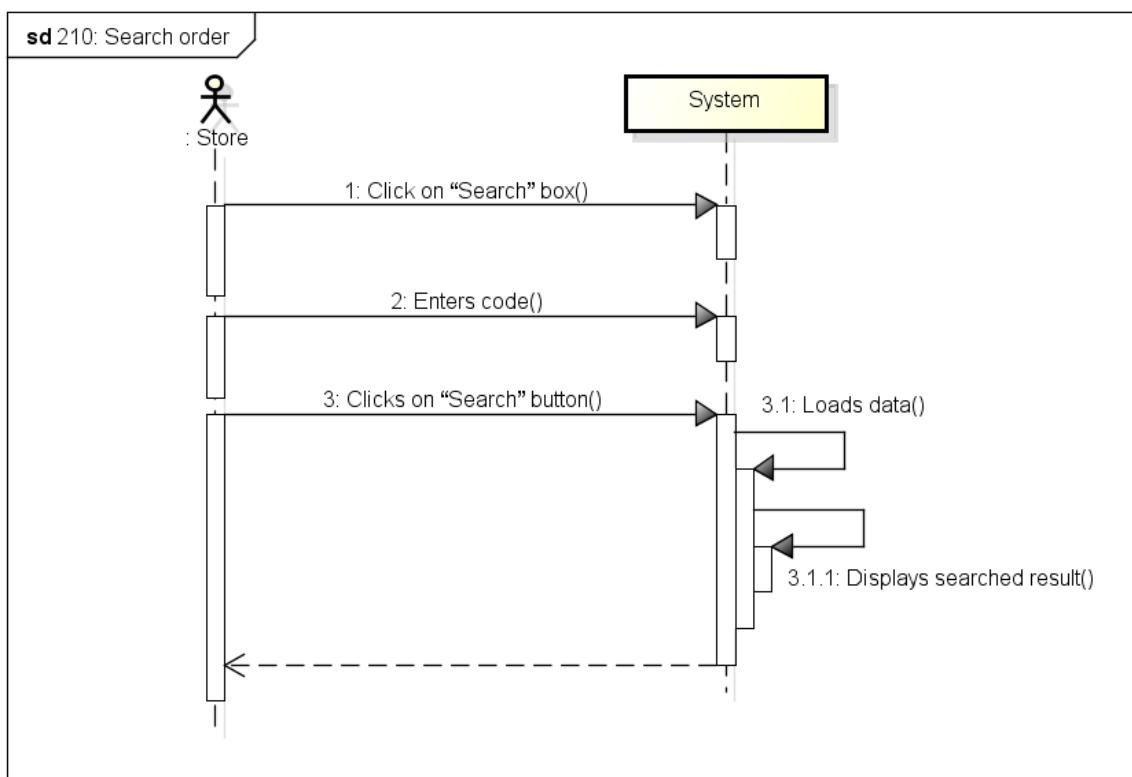
### UC-210: Search orders

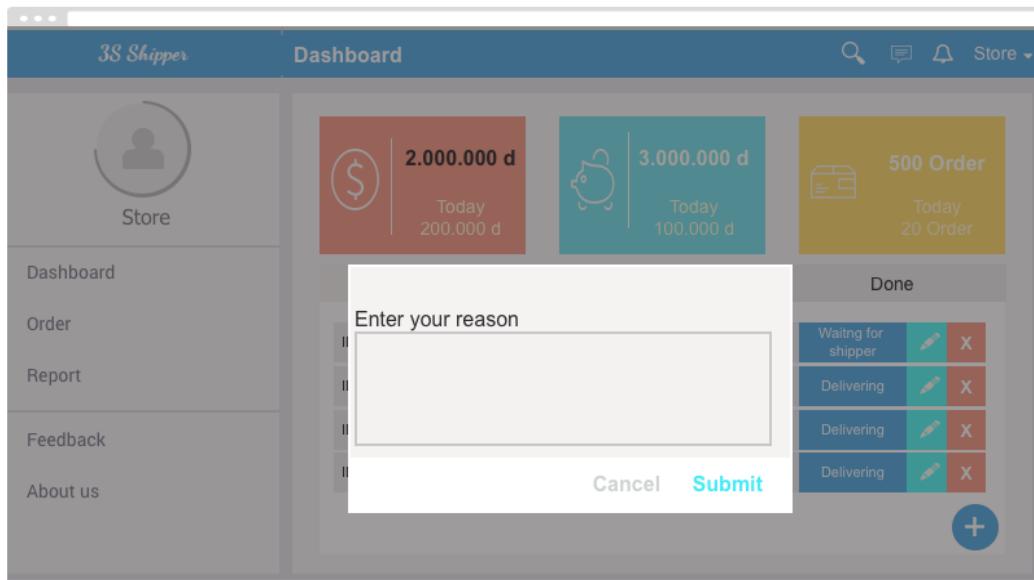


<b>Use Case ID:</b>	UC-210		
<b>Use Case Name:</b>	Search orders		
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b>	KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	20/09/2015
<b>Actor:</b>	Store		
<b>Description:</b>	Store can use order's code to search orders in list of orders that were created by Store		
<b>Triggering event:</b>	Store wants to search order		
<b>Preconditions:</b>	Store is on "Order's list" screen. (Refer to UC-209: View order's list)		
<b>Post conditions:</b>	Searched result are displayed on screen.		

<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Often	
<b>Main flow</b>		
Step	Actor	Action
1.	Store	Clicks on “Search” button
2.	Store	Enters code
3.	Store	Clicks on “Search” button
4.	System	Loads data
5.	System	Displays searched result on screen.
<b>Alternative Flows:</b>		
<b>Exceptions:</b>		
<b>Includes:</b>		
<b>Special Requirements:</b>		
<b>Notes and Issues:</b>		

### Sequence Diagram

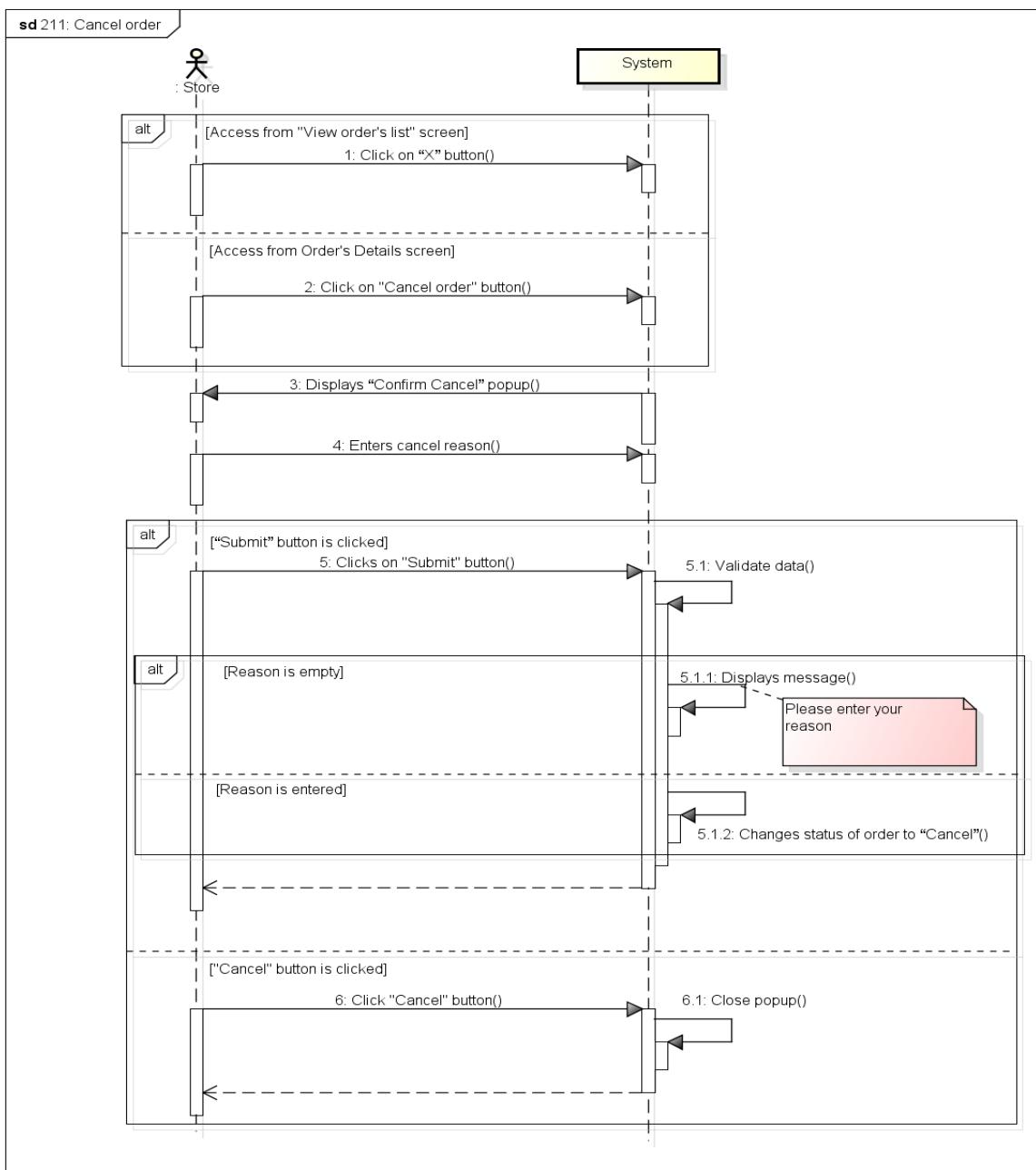


**UC-211: Cancel order**

<b>Use Case ID:</b>	UC-211	
<b>Use Case Name:</b>	Cancel order	
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b> KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 20/09/2015
<b>Actor:</b>	Store	
<b>Description:</b>	Stores can cancel uncompleted orders. But Store has to enter cancel reason	
<b>Triggering event:</b>	Store wants to cancel orders.	
<b>Preconditions:</b>	Store are on “Order’s list” screen (Refer to UC-209: View order’s list)	
<b>Post conditions:</b>	<ul style="list-style-type: none"> <li>- Order status has been changed to “Cancel”</li> <li>- Order information has been updated to database.</li> </ul>	
<b>Priority:</b>	Normal	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
1.	Store	Clicks “X” button on the row contain order brief information.
2.	System	Displays “Confirm Cancel” popup
3.	Store	Enters cancel reason
4.	Store	Clicks “Submit” button
5.	System	Changes status of order to “Cancel”
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		

EC1	At step 4, Store Clicks “Cancel” button	
Step	Actor	Action
3.1	System	Closes popup
EC1	At step 3, Store enters nothing.	
Step	Actor	Action
3.1	System	Displays error message on “Confirm Cancel” popup: “Please enter your reason”
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		N/A
<b>Notes and Issues:</b>		N/A

### Sequence Diagram



UC-212: Edit Order

<b>Use Case ID:</b>	UC-212		
<b>Use Case Name:</b>	Edit Order		
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b>	KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	20/09/2015
<b>Actor:</b>	Store		
<b>Description:</b>	Store can edits some information that Store entered when create orders. And these orders must be uncompleted.		
<b>Triggering event:</b>	Store wants to edits order		
<b>Preconditions:</b>	Store are on “Order’s list” screen or Store are on “Order details” screen. (Refer to UC-209: View order’s list)		
<b>Post conditions:</b>	New Order information have been displays on details screen and updated in database.		
<b>Priority:</b>	High		
<b>Frequency of Use:</b>	Often		
<b>Main flow</b>			
<b>Step</b>	<b>Actor</b>	<b>Action</b>	
1.	Store	Clicks “Edit” button on the row contain order information.	
2.	System	Displays “Order details” screen: - “Start address” text box - “Finish address” text box - “Weight” text box - “Size” text box - “Vehicle” drop down list - “Express” checkbox - “Time delivery” text box - “Submit” button	

3.	Store	Enters data in fields
4.	Store	Clicks “Submit” button
5.	System	Displays “Order details” screen with updated information.

**Alternative Flows:**

AT1	At step 1, Store Clicks on “Edit” button on “Order details” screen.	
-----	---	--

Step	Actor	Action
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1.1	System	Changes fields on “Order details” to editable.
-----	--------	--

1.2	Go to “Step 2”	
-----	----------------	--

**Exceptions:**

EC1	At step 3, requires fields are empty	
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Step	Actor	Action
------	-------	--------

4.1	System	Displays message: “* is require”
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EC2	At step 4, Store Clicks “Cancel” button	
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Step	Actor	Action
------	-------	--------

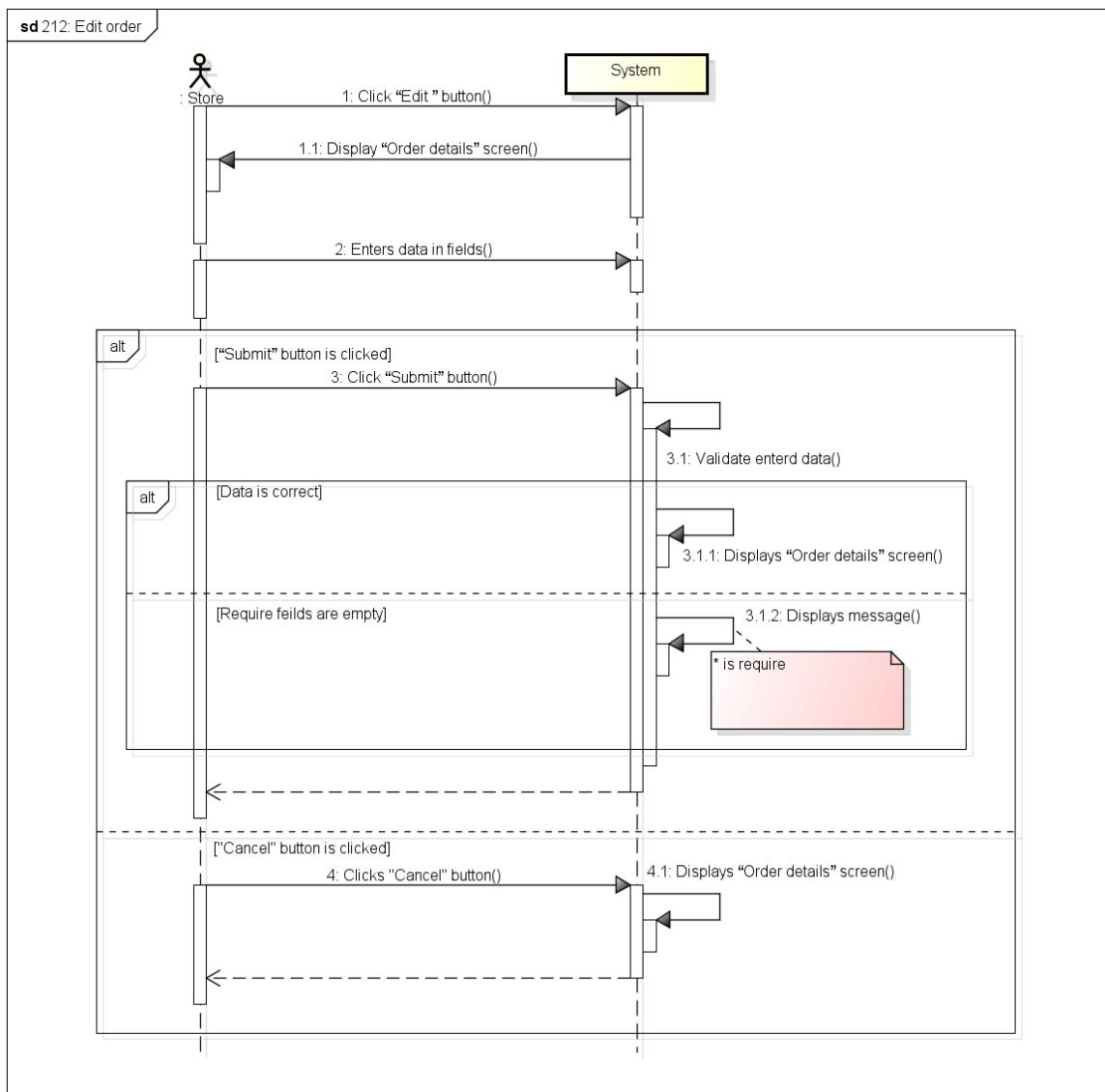
4.1	System	Displays “Order details” screen (Refer to UC-213: Order details)
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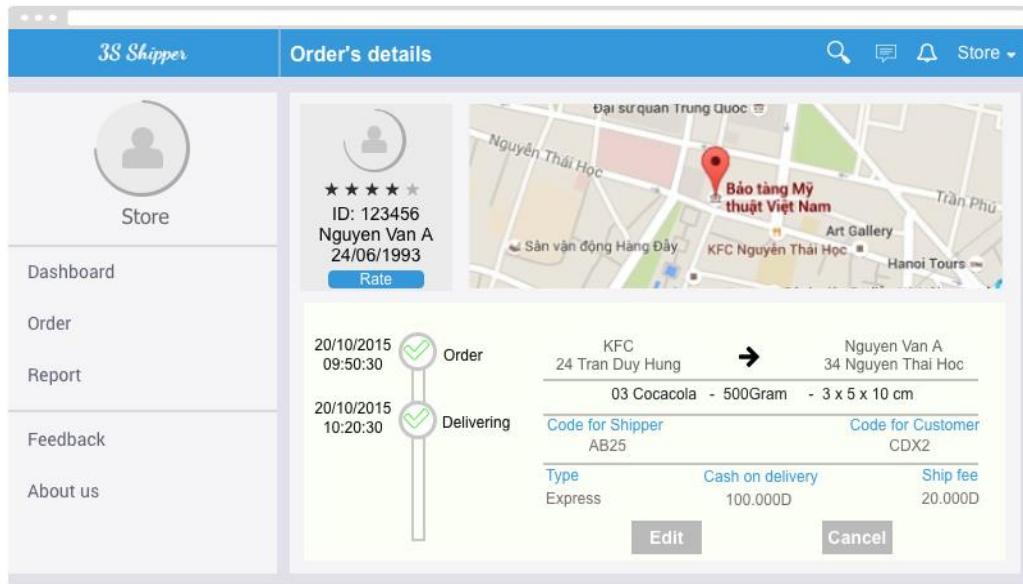
<b>Includes:</b>	N/A
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<b>Special Requirements:</b>	N/A
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<b>Notes and Issues:</b>	N/A
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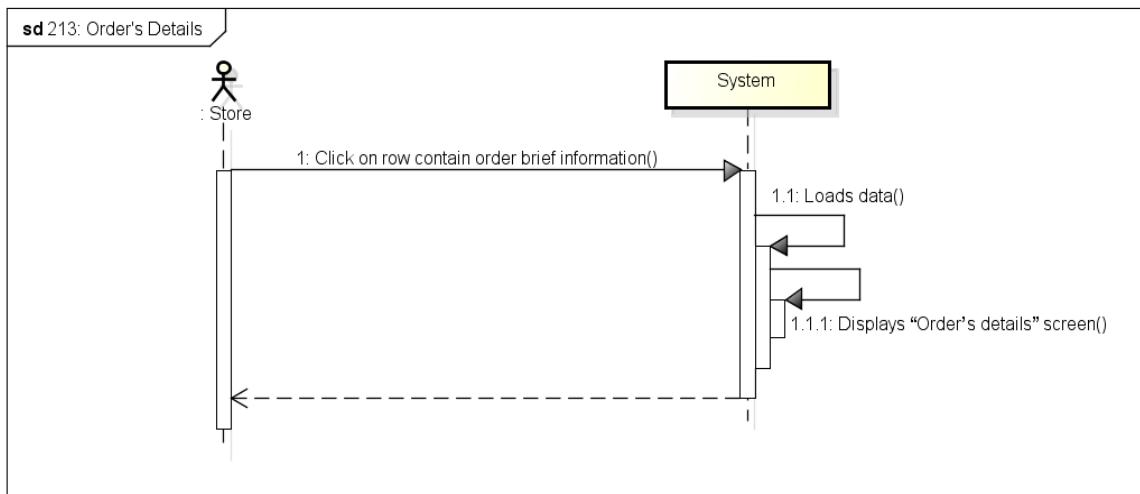
### Sequence Diagram



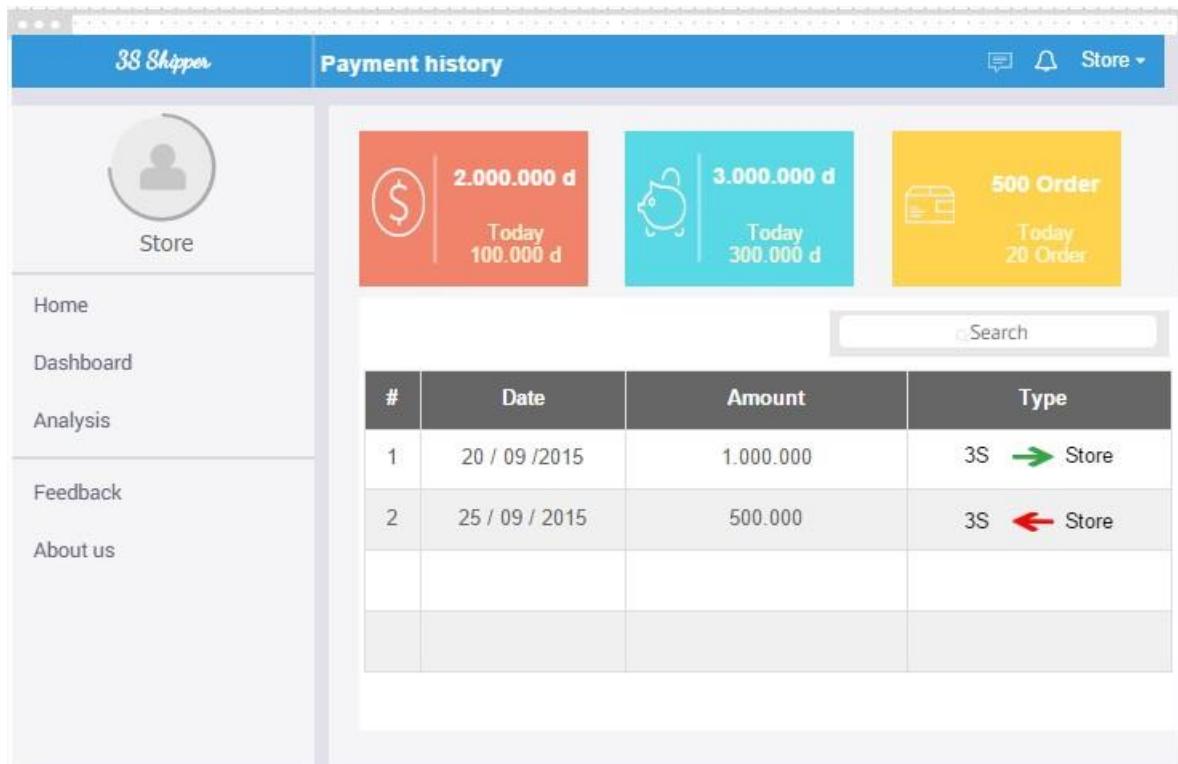
UC- 213: Order's details

<b>Use Case ID:</b>	UC-213	
<b>Use Case Name:</b>	Order' Details	
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b> KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 20/09/2015
<b>Actor:</b>	Store	
<b>Description:</b>	Displays details information of orders with a maps that help Store checking location of Shippers and a timeline that help Store checking status of Order.	
<b>Triggering event:</b>	Store wants to view order details	
<b>Preconditions:</b>	Store is on “Order’s list” screen.	
<b>Post conditions:</b>	“Order’s details” screen are displayed	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Always	
<b>Main flow</b>		
Step	Actor	Action
1.	Store	Clicks on row contain order brief information
2.	System	Loads data
3.	System	Displays “Order’s details” screen
<b>Alternative Flows:</b> N/A		
<b>Exceptions:</b> N/A		
<b>Includes:</b> N/A		
<b>Special Requirements:</b> N/A		
<b>Notes and Issues:</b> N/A		

### Sequence Diagram



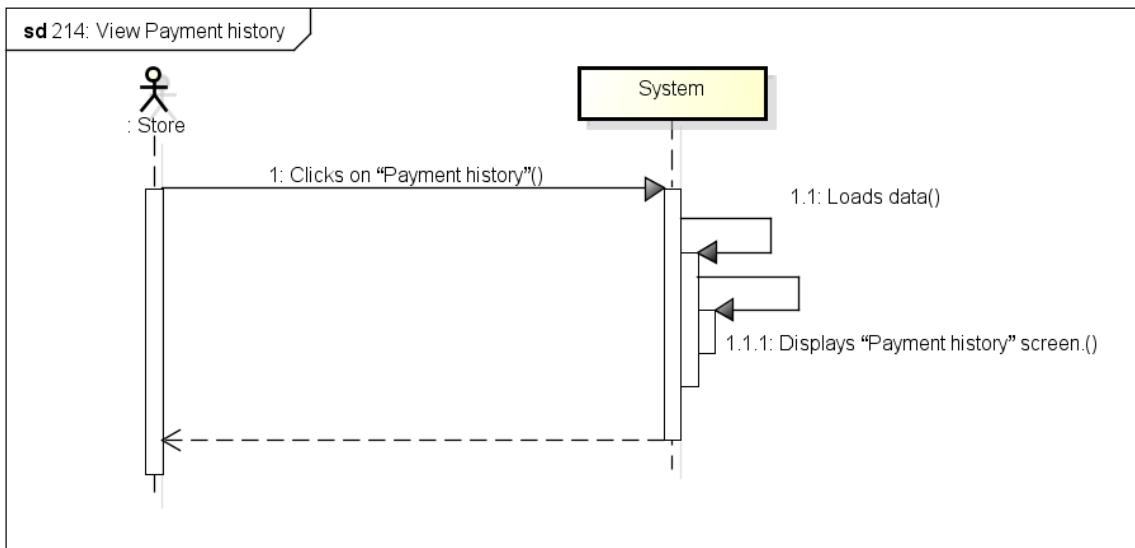
### UC-214: View payment history



<b>Use Case ID:</b>	UC-214		
<b>Use Case Name:</b>	View payment history		
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b>	KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	20/09/2015
<b>Actor:</b>	Store		
<b>Description:</b>	Displays payment history between Store and 3S Shipper		
<b>Triggering event:</b>	Store wants to view payment history		
<b>Preconditions:</b>	Store is on "Store" screen.		
<b>Post conditions:</b>	"Payment history" screen are displayed		

<b>Priority:</b>	Normal	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
1.	Store	Clicks on “Payment history” menu item on “Navigation bar”
2.	System	Loads data
3.	System	Displays “Payment history” screen.
<b>Alternative Flows:</b> N/A		
<b>Exceptions:</b> N/A		
<b>Includes:</b> N/A		
<b>Special Requirements:</b> N/A		
<b>Notes and Issues:</b> N/A		

### *Sequence Diagram*

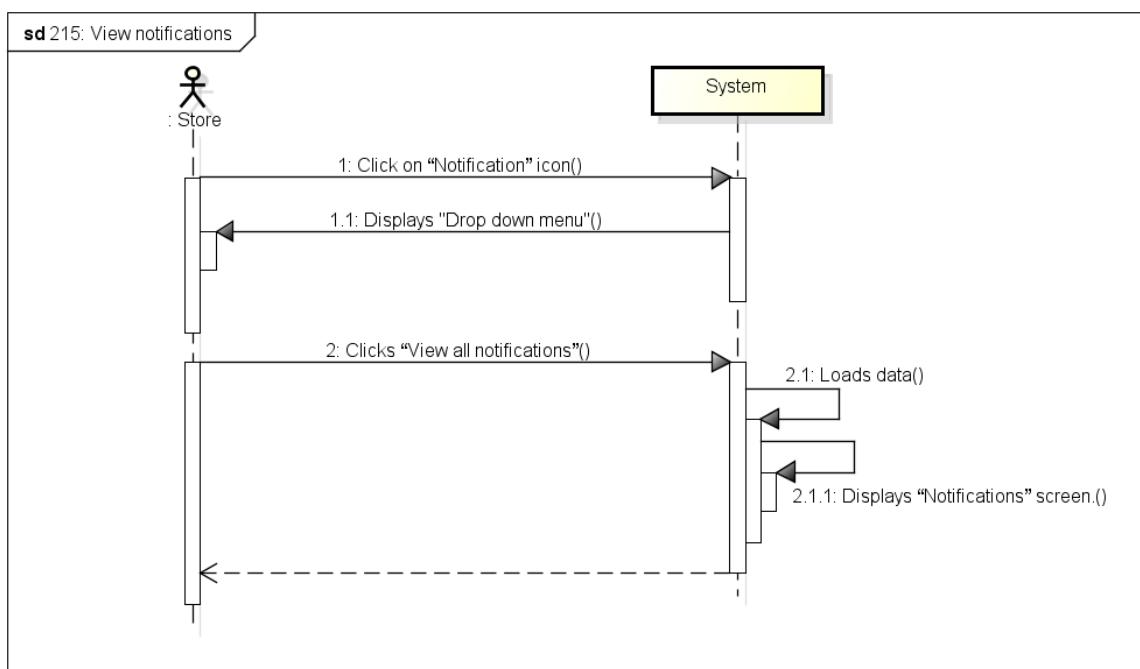


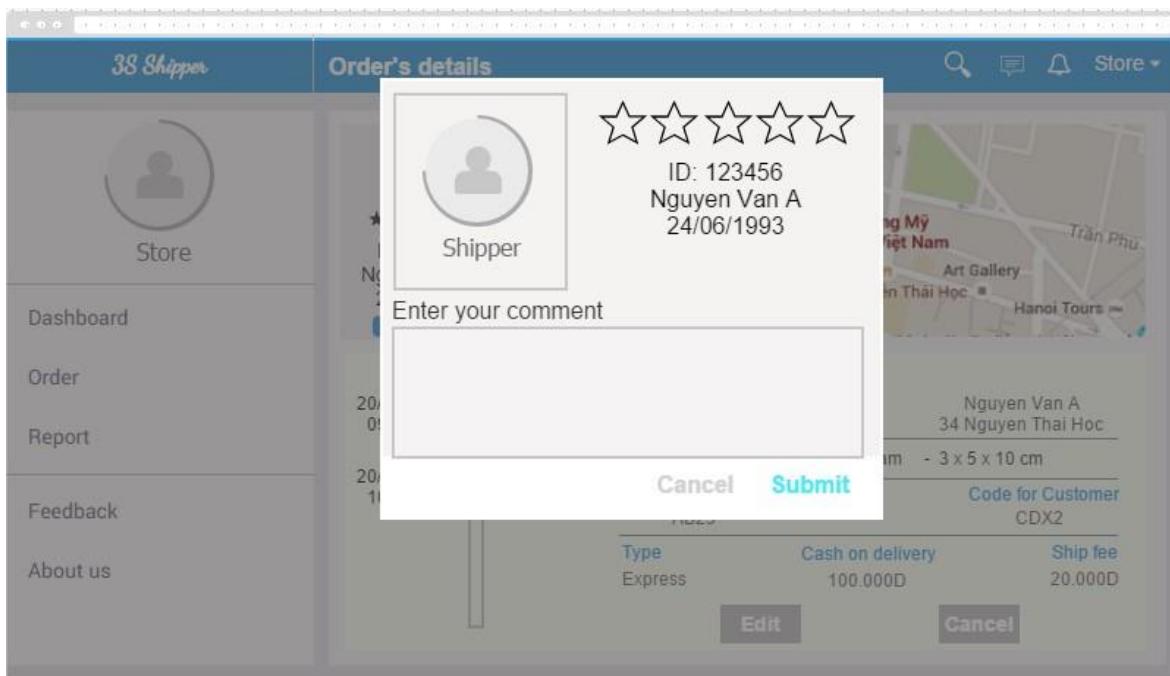
### UC-215: View notifications

<b>Use Case ID:</b>	UC-215		
<b>Use Case Name:</b>	View notifications		
<b>Created By:</b>	HuyTDH	<b>Last Updated By:</b>	KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	20/09/2015
<b>Actor:</b>	Store		
<b>Description:</b>	Store views notifications from system (promotion news, payment warning, etc...)		
<b>Triggering event:</b>	Store wants to view notification.		
<b>Preconditions:</b>	Store logged in, internet connection is on		
<b>Post conditions:</b>	All notifications will be listed out		

<b>Priority:</b>	Normal	
<b>Frequency of Use:</b>	Sometimes	
<b>Main flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
11	Store	Clicks on “Notification” icon
12	System	Display “Drop down menu”
13	Store	Clicks “View all notifications”
14		Loads data
15	System	Displays “Notifications” screen.
<b>Alternative:</b>		
<b>Exceptions:</b>		
<b>Includes:</b>		
<b>Special Requirements:</b>		
<b>Notes and Issues:</b>		

### Sequence Diagram

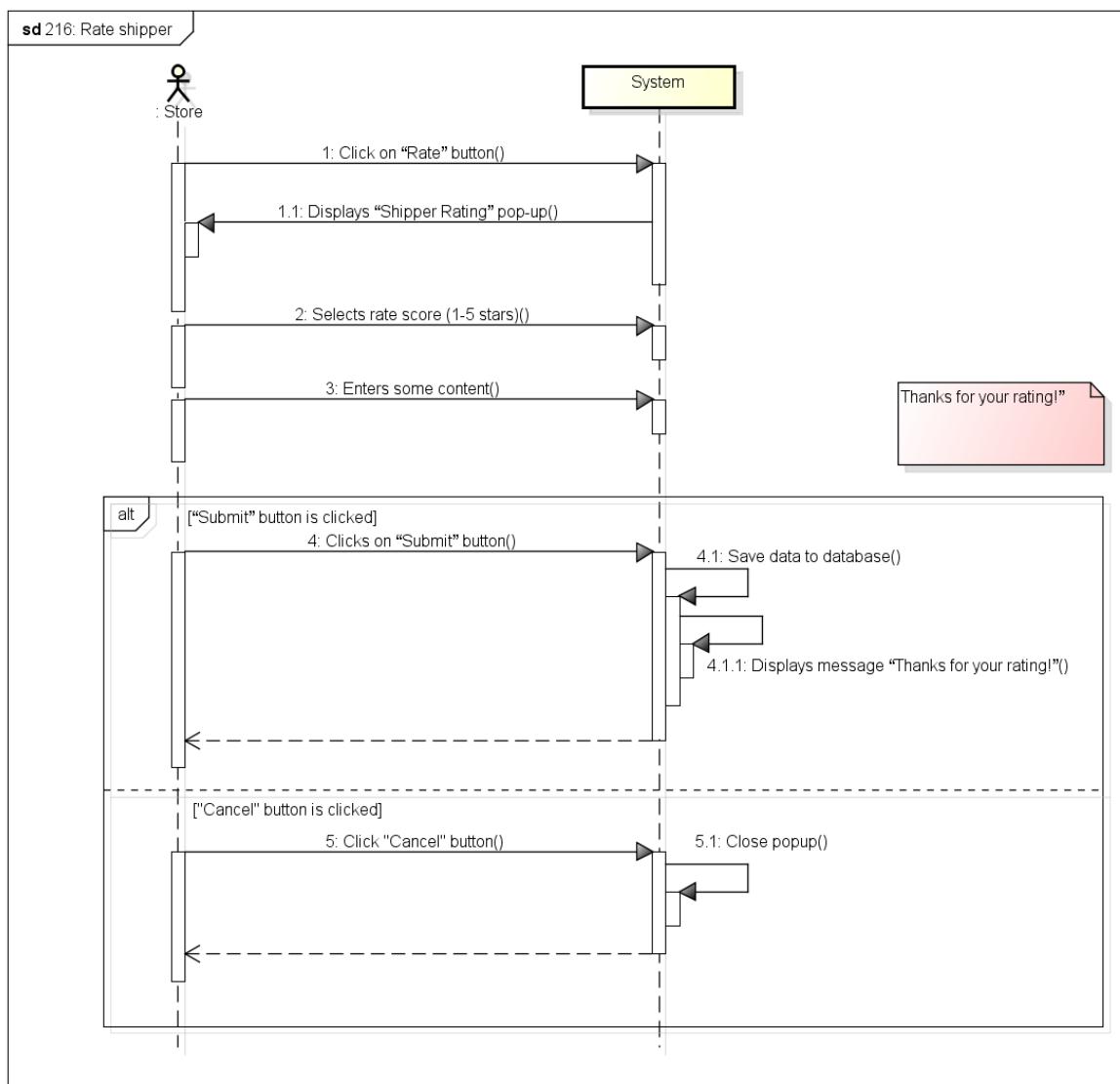


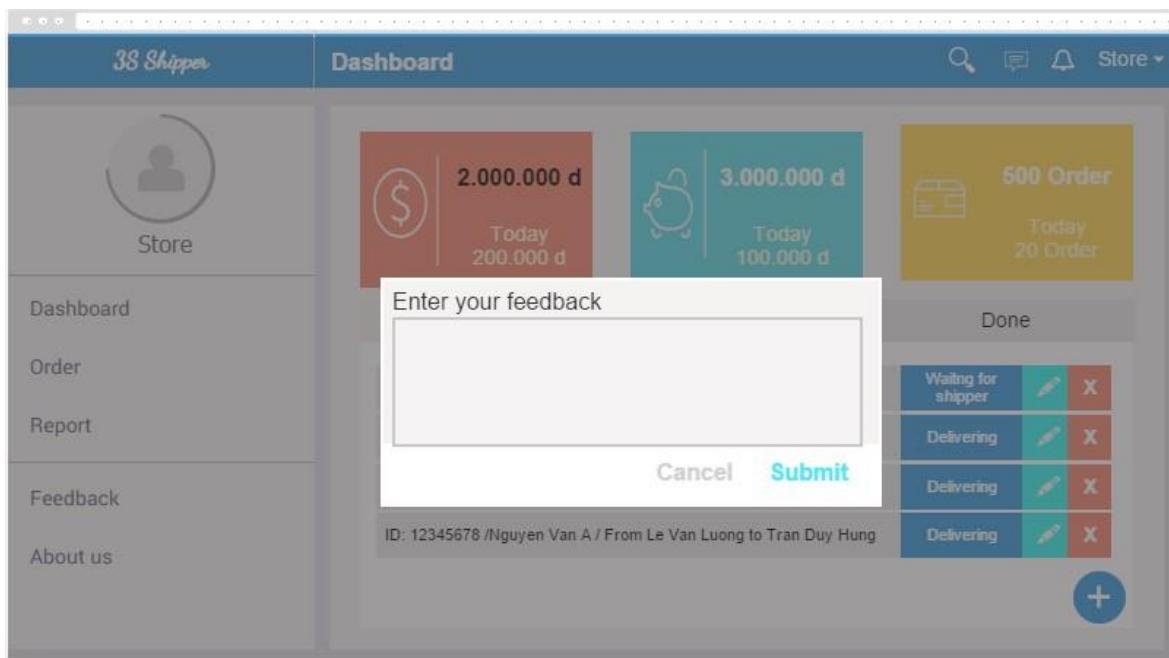
UC-216: Rate shipper

<b>Use Case ID:</b>	UC-216		
<b>Use Case Name:</b>	Rate shipper		
<b>Created By:</b>	HuyTDH	<b>Last Updated By:</b>	KhanHCK
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	20/09/2015
<b>Actor:</b>	Store		
<b>Description:</b>	Store rates service quality of shipper for each order by chooses number of star and enters comment.		
<b>Triggering event:</b>	Store rates shipper.		
<b>Preconditions:</b>	Store logged in, there's a shipper bears responsibility for shipping store's order		
<b>Post conditions:</b>	Shipper rating send to system		
<b>Priority:</b>	Normal		
<b>Frequency of Use:</b>	Often		
<b>Main flow</b>			
Step	Actor	Action	
7.	Store	Goes to “Order List”	
8.	Store	Clicks on “Rate” button	
9.	System	Displays “Shipper Rating” pop-up	
10.	Store	Selects rate score (1-5 stars)	
11.	Store	Enters some content	

12.	Store	Clicks on “Send” button
13.	System	Save data to database
14.	System	Displays message “Thanks for your rating!”
<b>Alternative Flows:</b>		
<b>Exceptions:</b>		
EC1	At step 9, Store Clicks “Cancel” button	
Step	Actor	Action
4.1	Store	Store Clicks “Cancel” button
4.2	System	Close popup.
<b>Includes:</b> N/A		
<b>Special Requirements:</b> N/A		
<b>Notes and Issues:</b> N/A		

### Sequence Diagram

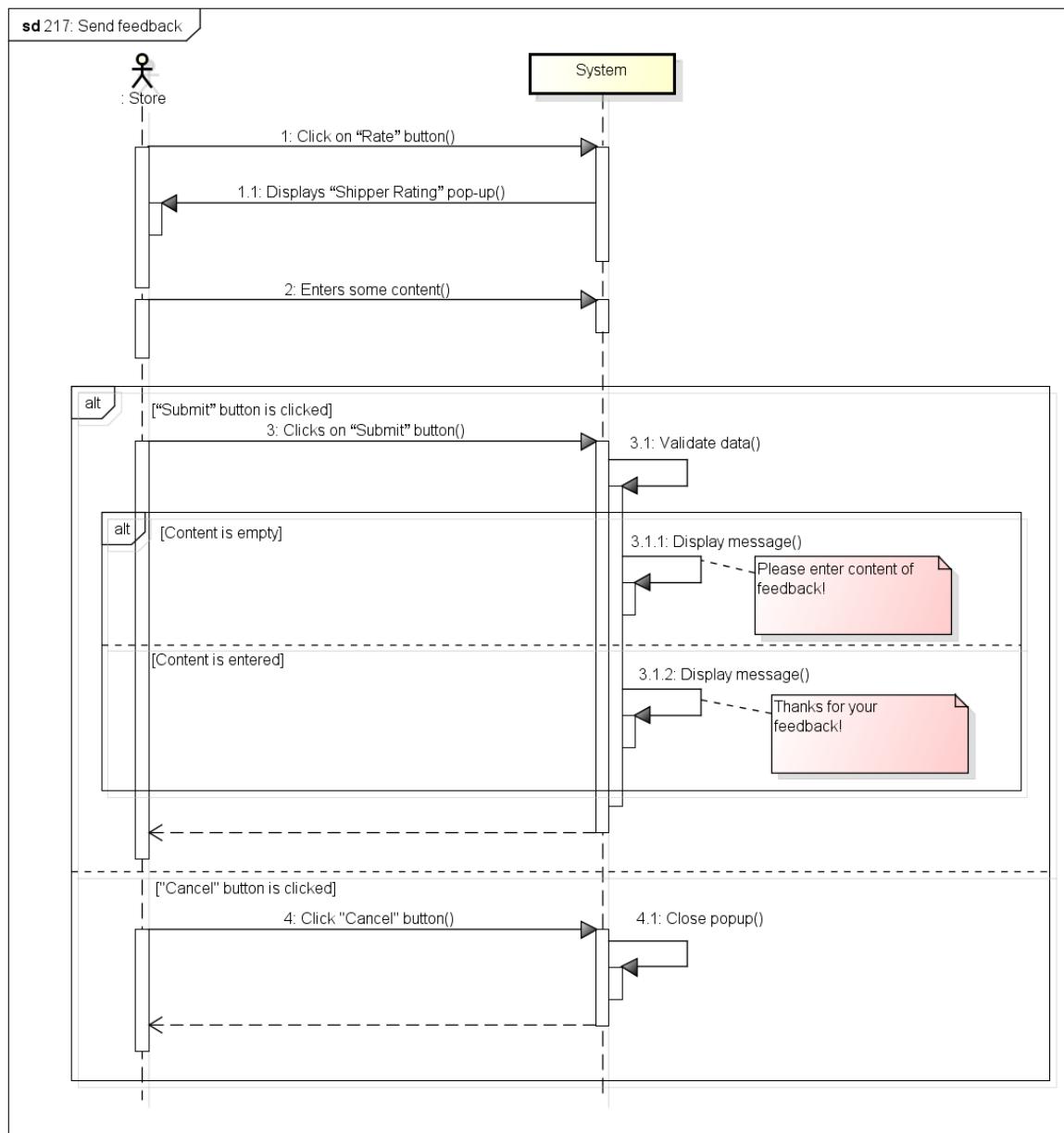


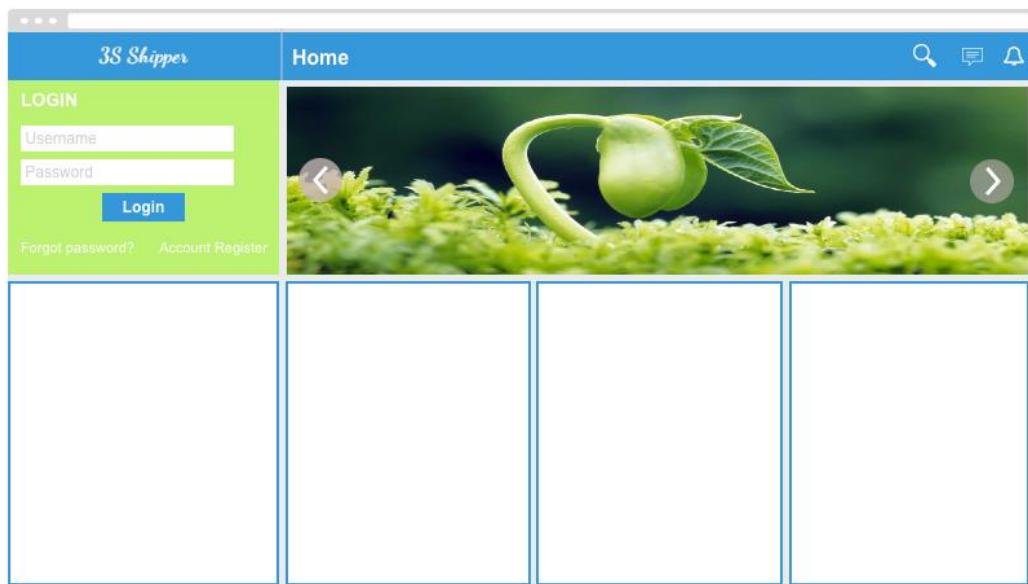
**UC-217: Send feedback**

<b>Use Case ID:</b>	UC-217	
<b>Use Case Name:</b>	Send feedback	
<b>Created By:</b>	HuyTDH	<b>Last Updated By:</b> KhanhKC
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 20/09/2015
<b>Actor:</b>	Store	
<b>Description:</b>	Store send feedback about any service of system by enters some content.	
<b>Triggering event:</b>	Store send feedback about service to system	
<b>Preconditions:</b>	Store logged in Internet connection is on	
<b>Post conditions:</b>	Feedback will be sent to system	
<b>Priority:</b>	Normal	
<b>Frequency of Use:</b>	Sometimes	
<b>Main flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
8.	Store	Clicks on “Send feedback” on navigation bar
9.	System	Displays “Send feedback” pop-up
10.	Store	Enters some content
11.	Store	Clicks on “Submit”
12.	System	Validate content
13.	System	Shows message “Thanks for your feedback!”
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		

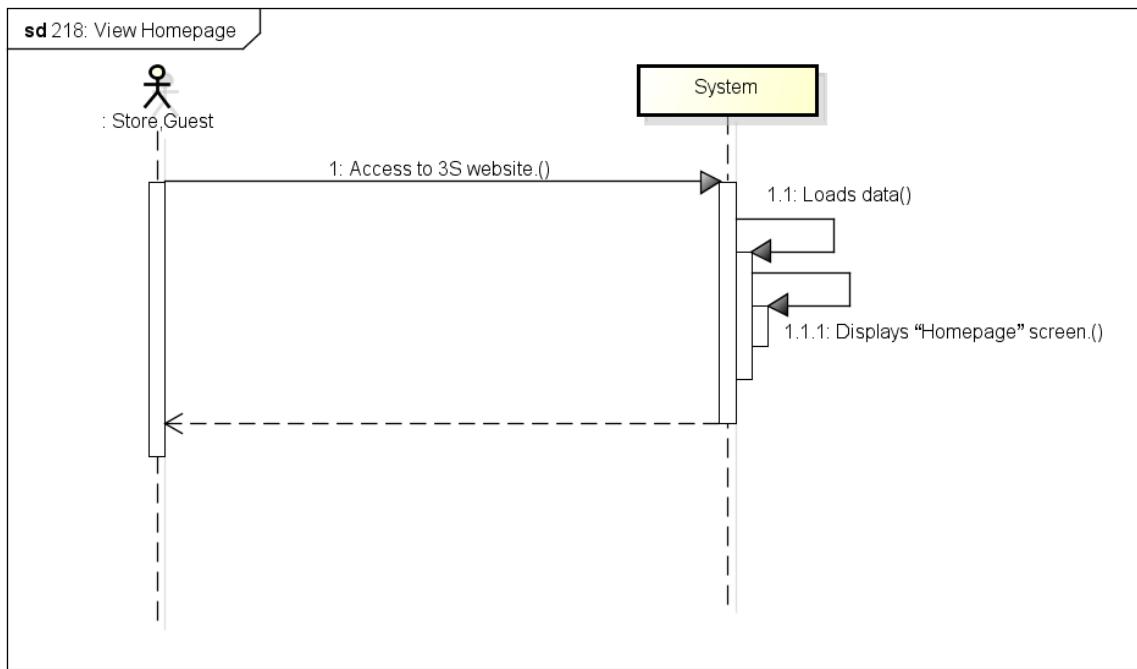
EC1	At step Store doesn't enter content	
Step	Actor	Action
4.1	Store	Store Clicks "Submit"
4.2	System	System shows message "Please enter content of feedback!"
	<b>Includes:</b>	N/A
	<b>Special Requirements:</b>	N/A
	<b>Notes and Issues:</b>	N/A

### Sequence Diagram



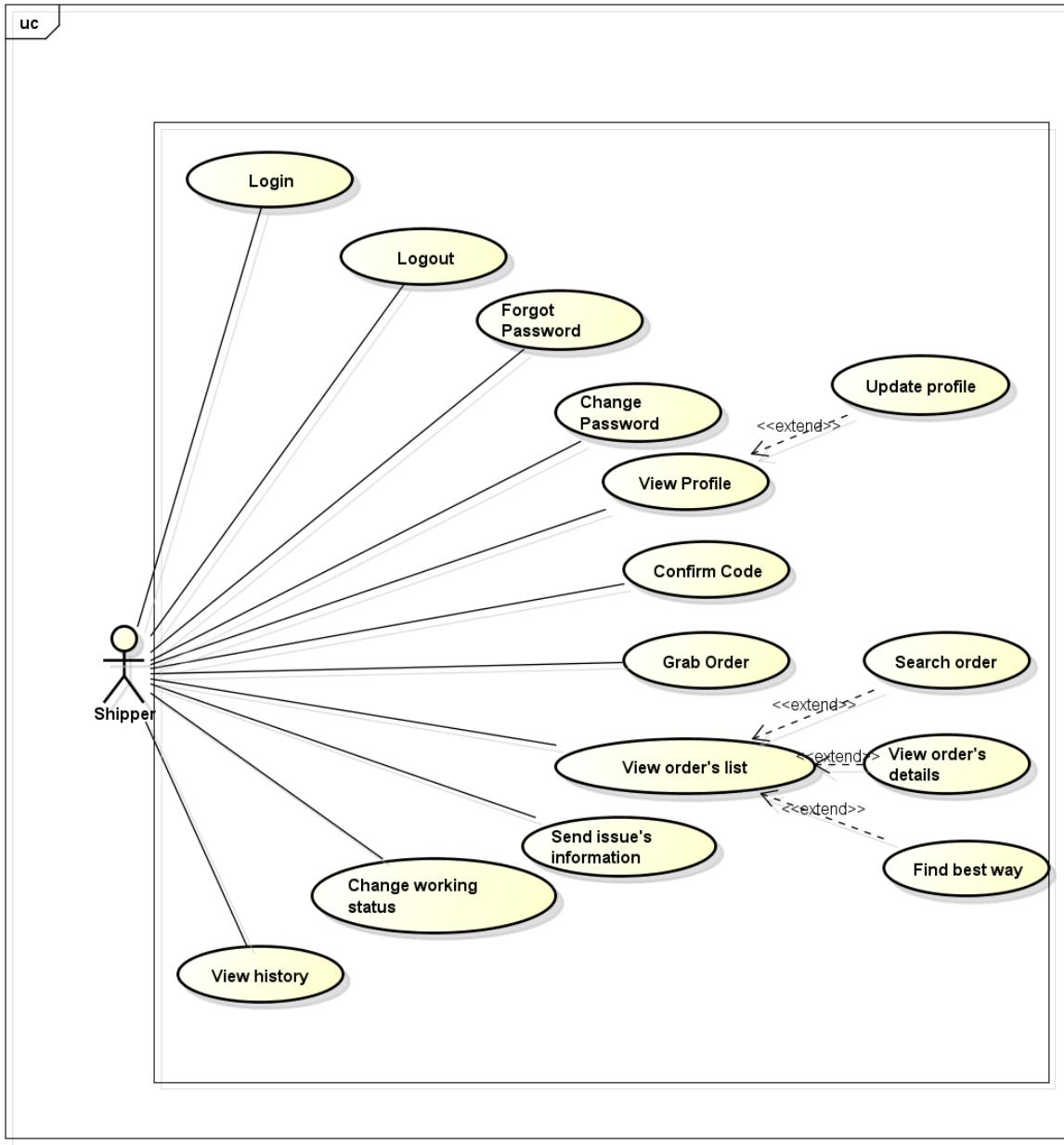
**UC-218: View Homepage**

<b>Use Case ID:</b>	UC-218	
<b>Use Case Name:</b>	View Homepage	
<b>Created By:</b>	KhanhKC	<b>Last Updated By:</b> KhanhKC
<b>Date Created:</b>	20/09/2015	<b>Date Last updated:</b> 20/09/2015
<b>Actor:</b>	Store, Guest	
<b>Description:</b>	“Homepage” show information about 3S service, a “Login” box that help Store login system. Beside, “Homepage” also shows advertisement of system.	
<b>Triggering event:</b>	Store or Guest access to 3S website.	
<b>Preconditions:</b>	Store or Guest access to 3S website.	
<b>Post conditions:</b>	“Homepage” screen has been displayed.	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Always	
<b>Main flow</b>		
Step	Actor	Action
1.	Store, Guest	Access to 3S website.
2.	System	Loads data
3.	System	Displays “Homepage” screen.
<b>Alternative Flows:</b> N/A		
<b>Exceptions:</b> N/A		
<b>Includes:</b> N/A		
<b>Special Requirements:</b> N/A		
<b>Notes and Issues:</b> N/A		

**Sequence Diagram**

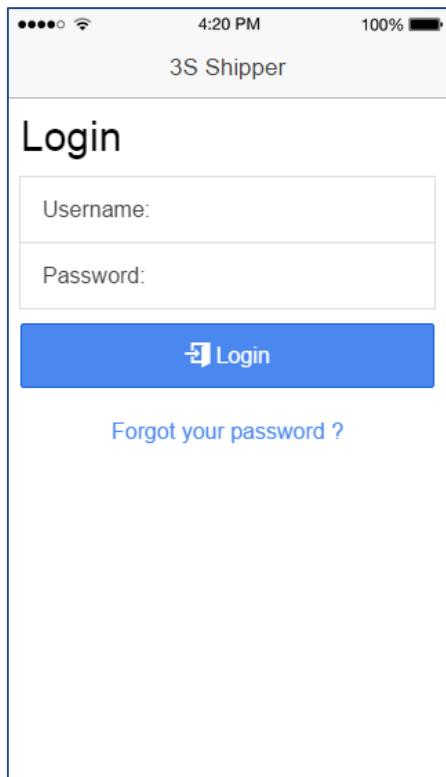
## 1.3. Mobile application for Shipper

### 1.3.1. User Case Diagram



### 1.3.2. Function

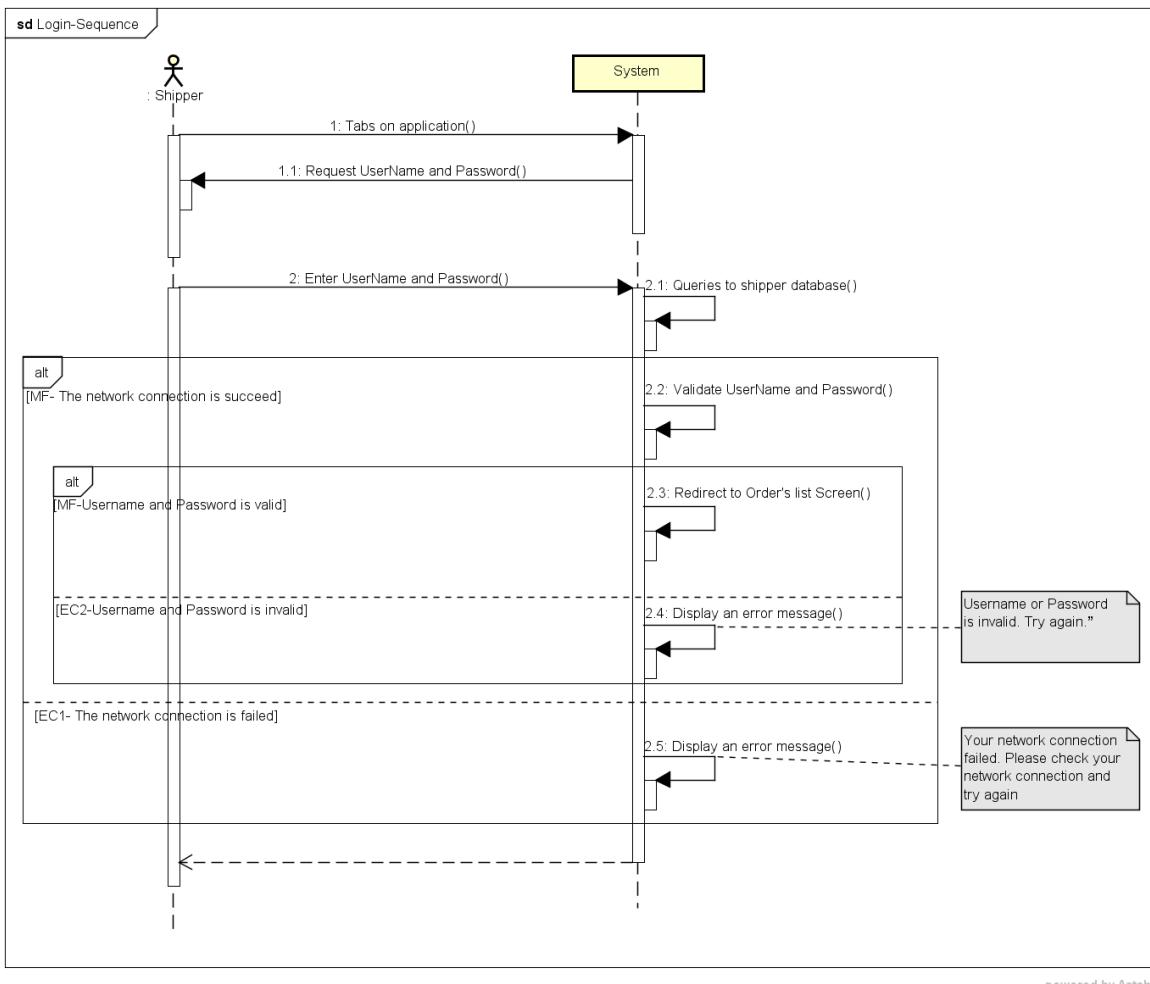
#### UC-301: Login



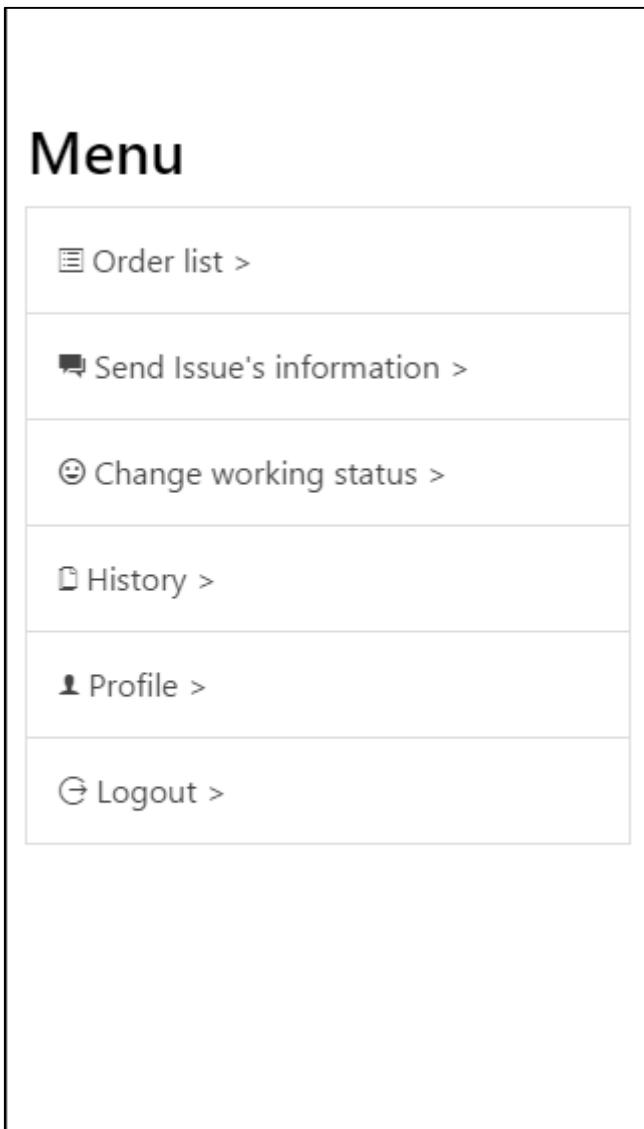
Use Case ID:	UC-301		
Use Case Name:	Login		
Created By:	QuyenNV	Last Updated By:	QuyenNV
Date Created:	19/09/2015	Date Last Updated:	30/09/2015
Actor:	Shipper		
Description:	System provides his or her access credentials in order to use system.		
Triggering event	Shipper wants to login to system.		
Preconditions:	<ul style="list-style-type: none"> <li>- To be pre-registered in the System.</li> <li>- Internet connection is established.</li> </ul>		
Post - conditions:	The shipper's session is stored.		
Priority:	High		
Frequency of Use:	Sometime		
<b>Main flow</b>			
Step	Actor	Action	
1	Shipper	Tabs on application	
2	System	Request the shipper input the following fields are available:	

		+ Username + Password
3	Shipper	Enter information (Username and Password). Shipper clicks on Log In.
4	System	The queries to shipper database
5	System	The system validates Username and Password to accept or rejects the login request.
6	System	Login successful into application. The login request is accepted shipper will be redirected to the Order's list screen.
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1	At step 4, If system cannot establish a connection to the database due to some reasons (ex: network failure).	
Step	Actor	
4.1	System	Display an error message “Your network connection failed. Please check your network connection and try again” will show up on screen to tell the shipper about the problem.
EC2	At step 5, if account's information is invalid	
Step	Actor	Action
5.1	System	Display an error message “ Username or Password is invalid. Try again.” on [Login] screen
<b>Includes:</b>		
<b>Special Requirements:</b>		
<b>Notes and Issues:</b>		

## Sequence Diagram



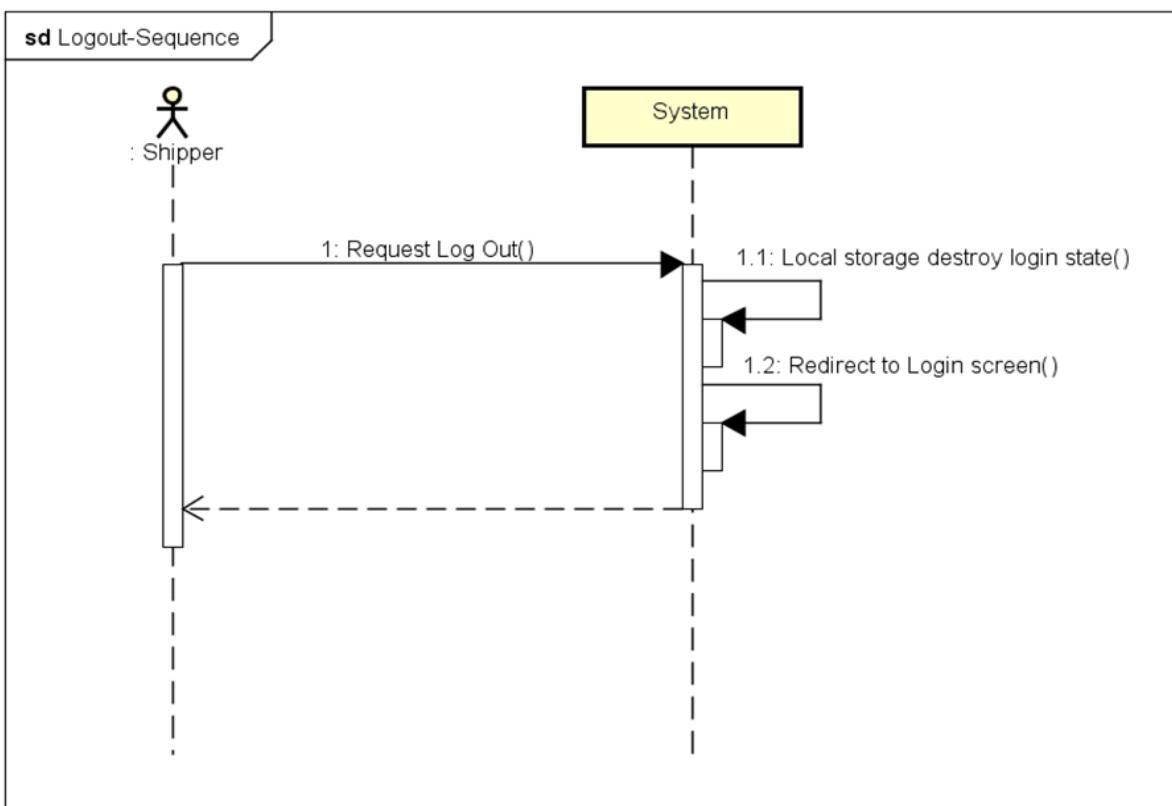
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UC-302: Logout

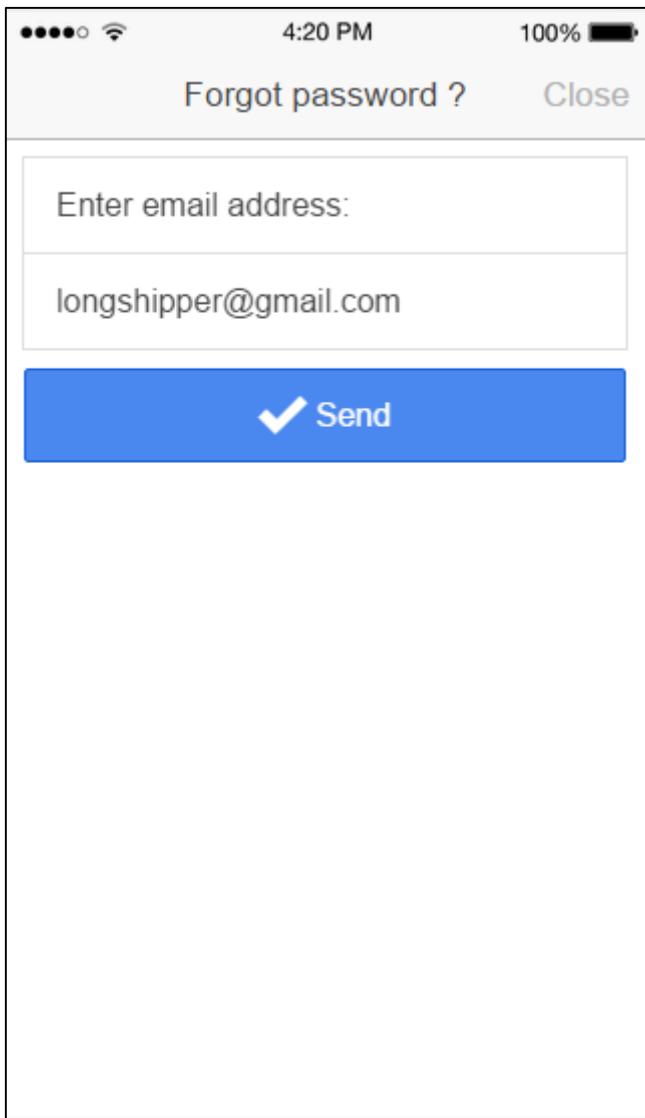
Use Case ID:	UC-302		
Use Case Name:	Logout		
Created By:	QuyenNV	Last Updated By:	QuyenNV
Date Created:	19/09/2015	Date Last Updated:	30/09/2015
Actor:	Shipper		
Description:	When shipper finish their work they will logout of the system.		
Triggering event	Shipper wants to logout of the system.		
Preconditions:	<ul style="list-style-type: none"><li>- To be logged in the system</li><li>- Internet connection is established.</li></ul>		
Post - conditions:	<ul style="list-style-type: none"><li>- The connection to the server is terminated.</li></ul>		
Priority:	High		

Frequency of Use:		Sometime
<b>Main flow</b>		
Step	Actor	Action
1.	Shipper	Clicks “log out” button.
2.	System	Terminates the connection. Local storage destroy login state.
3.	System	Redirects to “Login” screen of application
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		N/A
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		N/A
<b>Notes and Issues:</b>		N/A

- **Sequence Diagram:**



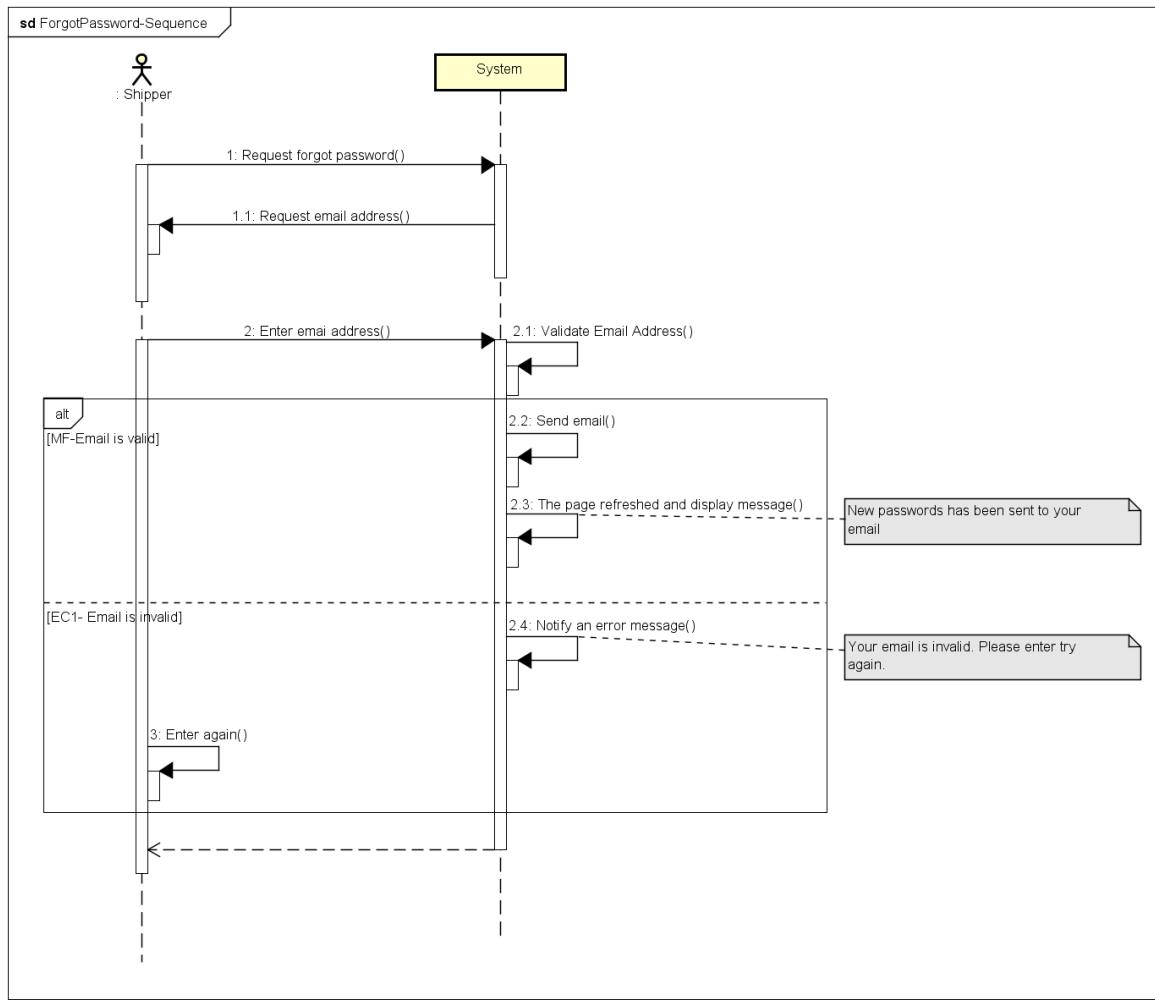
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**UC-303: Forgot password**

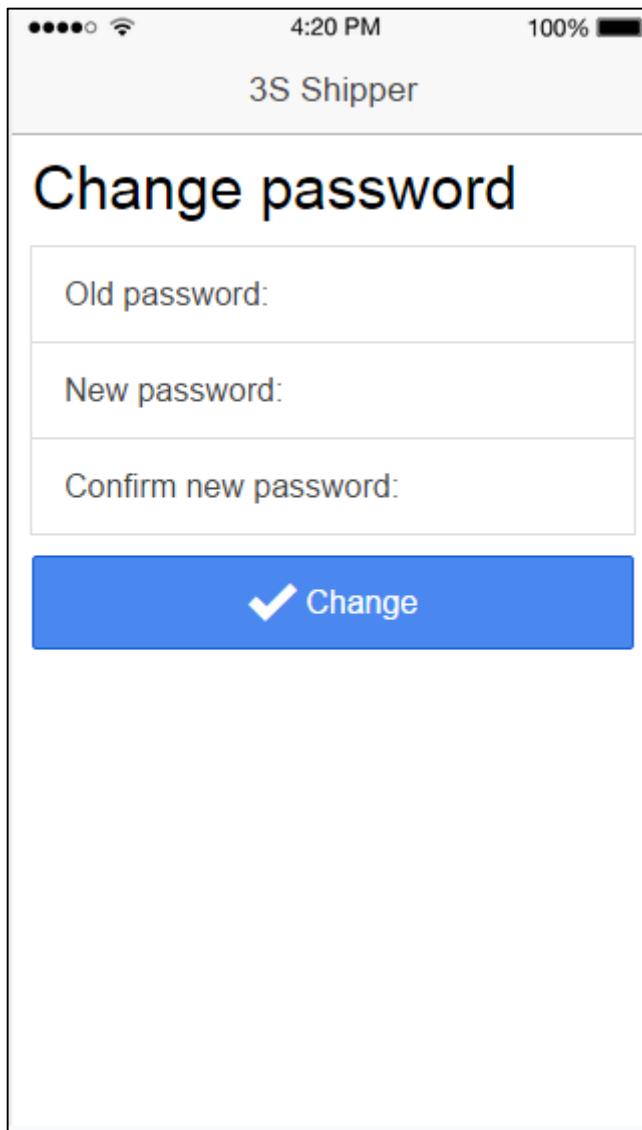
Use Case ID:	UC-303		
Use Case Name:	Forgot password		
Created By:	QuyenNV	Last Updated By:	QuyenNV
Date Created:	19/09/2015	Date Last Updated:	30/09/2015
Actor:	Shipper		
Description:	<ul style="list-style-type: none"> <li>- When shipper wants to login into system but they forgot their password. Shipper wants reset their password. They will receive a new password via their email address.</li> </ul>		
Triggering event	<ul style="list-style-type: none"> <li>- Shipper forgot password and they wants to reset their password.</li> </ul>		
Preconditions:	<ul style="list-style-type: none"> <li>- To have internet connection through device.</li> </ul>		

	- Shipper haven't logged in to the system yet. - On "Login" screen	
Post - conditions:	- New password is sent to email of shipper	
Priority:	High	
Frequency of Use:	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Shipper	Clicks "Forgot password"
2.	System	A new page 'Forgot password' appears.
3.	Shipper	Enter email address used for registration. Shipper clicks the [Send] button.
4.	System	Validate Email Address.
5.	System	Send new password via email address of shipper
6.	System	The page is refreshed. The message is displayed: "New passwords has been sent to your email"
<b>Alternative Flows:</b>		
<b>Exceptions:</b>		
EC1	At step 4, if email is invalid	
Step	Actor	Action
4.1	System	Notify in screen with error message "Your email is invalid. Please enter try again."
<b>Includes:</b>		
<b>Special Requirements:</b>		
<b>Special Requirements:</b> <b>Email Address:</b> A string from 1 to 244 characters in length, can contain any kind of characters, followed by "@gmail.com". (Ex: longshipper@gmail.com). Cannot be null.		
<b>Notes and Issues:</b>		

## Sequence Diagram



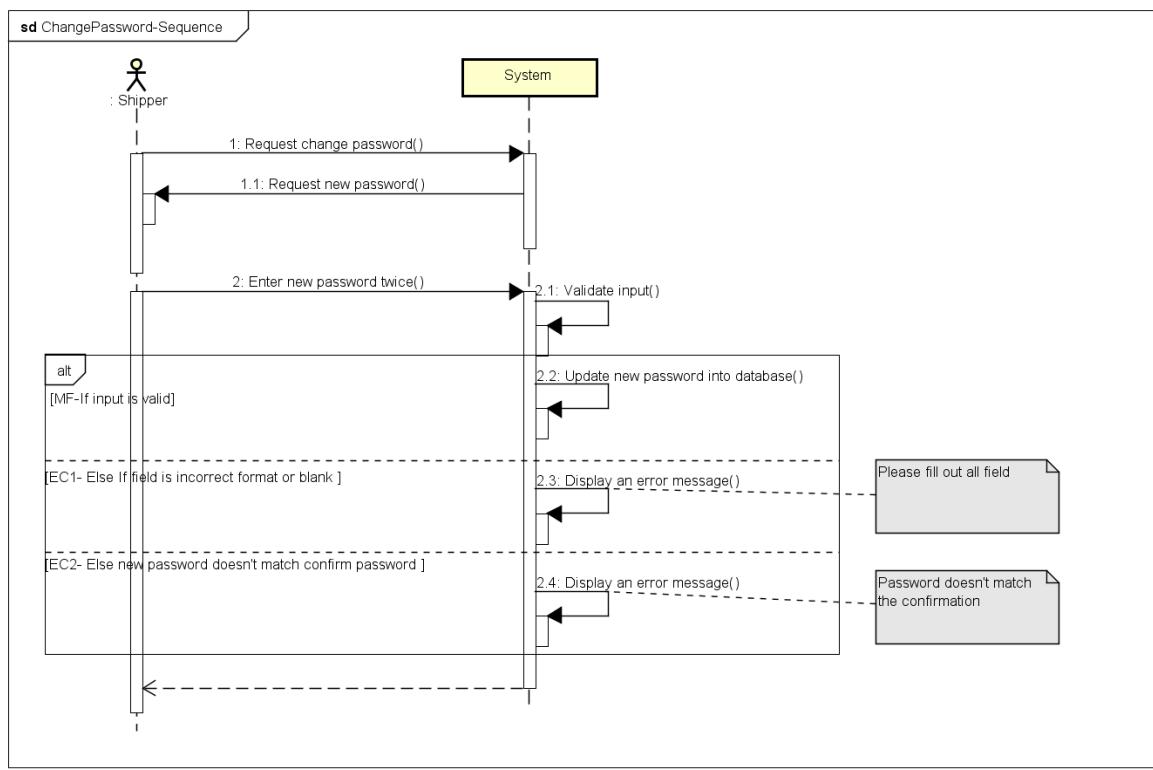
powered by Astah

UC-304: Change password

Use Case ID:	UC-304		
Use Case Name:	Change password		
Created By:	QuyenNV	Last Updated By:	QuyenNV
Date Created:	19/09/2015	Date Last Updated:	30/09/2015
Actor:	Shipper		
Description:	If shipper forgot their password and would like to change their password for security reasons.		
Triggering event	Shipper wants to change password.		
Preconditions:	<ul style="list-style-type: none"> <li>- To have internet connection through device</li> <li>- To be logged in the system</li> <li>- Switch to “Profile” screen</li> </ul>		
Post - conditions:	<ul style="list-style-type: none"> <li>- New password stored in database. Shipper changes password is successfully</li> </ul>		

Priority:	High	
Frequency of Use:	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1.	Shipper	Clicks “Change Password” button
2.	System	“Change Password” screen shows up.
3.	Shipper	Enter required information (Old Password, new password, confirm new password) and clicks “Change” button.
4.	System	Validate input information.
5.	System	Update new password of this account to database and redirects to the “Profile” screen.
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1	At step 4, if any field is incorrect format or blank	
Step	Actor	Action
4.1	System	Notify in screen with a message “Please fill out all field” on “Change Password” screen.
EC2	At step 4, if shipper provides new password doesn't match the confirmation password	
Step	Actor	Action
4.1	System	Display an error message “Password doesn't match the confirmation” on “Change password” screen.
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		<p><b>Old Password:</b> Cannot be null.</p> <p><b>New Password:</b> Minimum of password is 7 character and needs at least one number.</p> <p><b>Re-Enter Password:</b> Cannot be null.</p>
<b>Notes and Issues:</b>		N/A

### Sequence Diagram:



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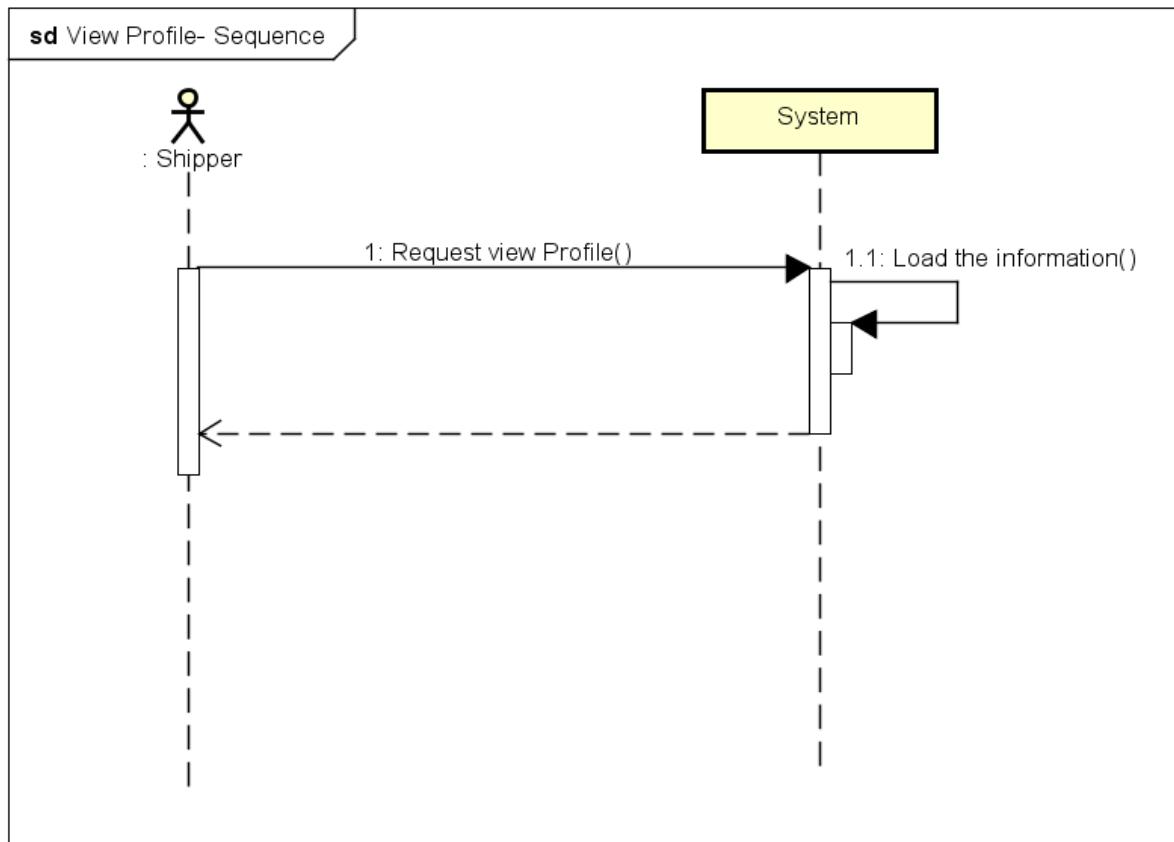
UC-305: View Profile

## Shipper's information

Name:	Nguyen Van Long
Date of Birth:	20/10//1993
Identity Card:	1888 232 777
Phone Number:	0982 767 666
Email:	longshipper@gmail.com
Address:	Tan Quang - Ha Noi

<b>Use Case ID:</b>	UC-005		
<b>Use Case Name:</b>	View Profile		
<b>Created By:</b>	QuyenNV	<b>Last Updated By:</b>	QuyenNV
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	30/09/2015
<b>Actor:</b>	Shipper		
<b>Description:</b>	Shipper can view his/her information. Such as Name, Date of Birth, Identity Card, Phone Number, Email, Address.		
<b>Triggering event</b>	Shipper wants to view Profile		
<b>Preconditions:</b>	<ul style="list-style-type: none"> <li>- To have internet connection through a device</li> <li>- To be logged in the system</li> </ul>		
<b>Post conditions:</b>	The information of current logged in will appear in the [Profile] screen.		
<b>Priority:</b>	High		
<b>Frequency of Use:</b>	Sometime		
<b>Main flow</b>			

Step	Actor	Action
1	Shipper	Clicks “Profile” button in left navigate bar
2	System	Load information of shipper and Display “Profile” screen
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		N/A
<b>Notes and Issues:</b>		N/A



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### Sequence Diagram:

UC-306: Update Profile

**Update**

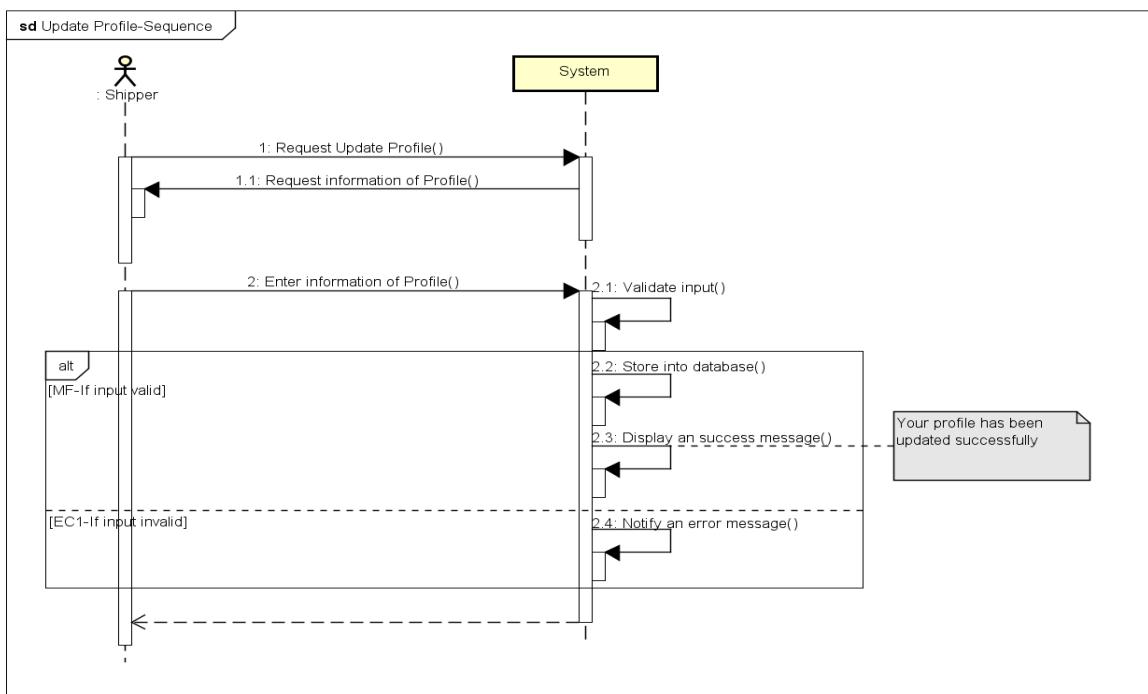
👤 Name:	Nguyen Van Long 1
📅 Date of Birth:	20/10/1993
>ID Card:	1888 232 777
📞 Phone Number:	0982 767 666
✉️ Email:	longshipper@gmail.com
📍 Address:	Tan Quang - Ha Noi

**Save**

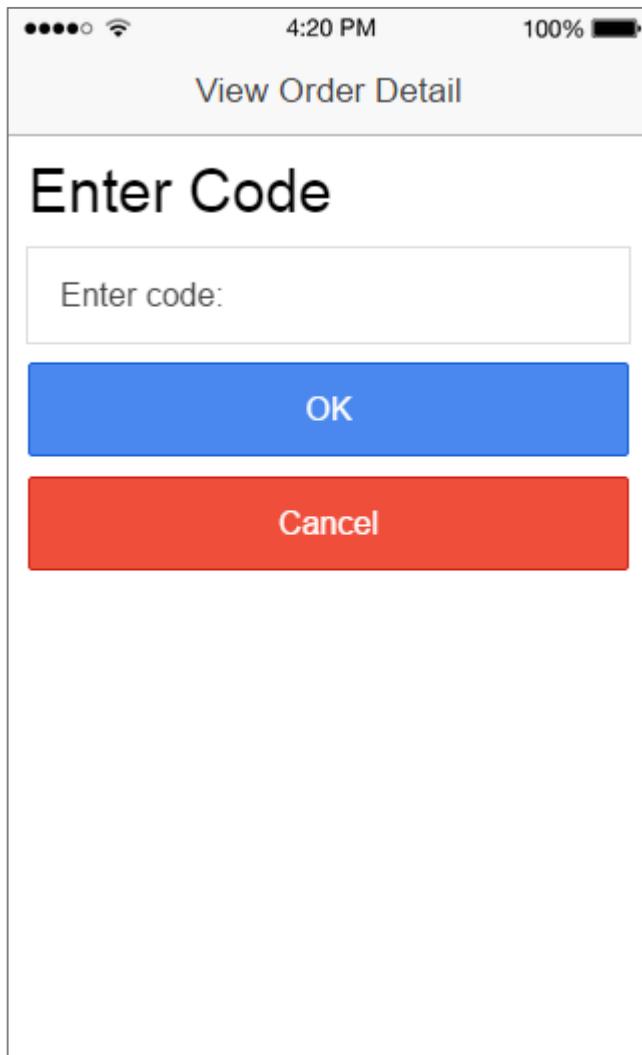
<b>Use Case ID:</b>	UC-006		
<b>Use Case Name:</b>	Update Profile		
<b>Created By:</b>	QuyenNV	<b>Last Updated By:</b>	QuyenNV
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	30/09/2015
<b>Actor:</b>	Shipper		
<b>Description:</b>	When Shipper change personal information. They can modify their related information (Email, Date of Birth, Phone Number, Identity Card, Address)		
<b>Triggering event</b>	Shipper wants to update profile		
<b>Preconditions:</b>	<ul style="list-style-type: none"> <li>- To have internet connection through a device</li> <li>- To be logged in the system</li> <li>- Switch to [Profile] screen.</li> </ul>		

<b>Post conditions:</b>	Update new information in database. Update Profile is successfully.	
<b>Priority:</b>	Low	
<b>Frequency of Use:</b>	Sometime	
<b>Main flow</b>		
Step	Actor	Action
1	Shipper	Clicks [Edit Profile] button
2	System	Display [Edit profile] screen
3	Shipper	Enter required information (Name, Email, Phone Number, Identity Card, Date of Birth, Address)
5	System	Validate input
6	System	Store new information of Shipper into database
7	System	Display an success message “ Your profile has been updated successfully”
<b>Alternative Flows:</b>	N/A	
<b>Exceptions:</b>		
EC1	At step 5	If any required field is not entered
Step	Actor	Action
5.1	System	Notify an error message “*is require”
<b>Includes:</b>		
<b>Special Requirements:</b>		
<b>Notes and Issues:</b>		

### Sequence Diagram:



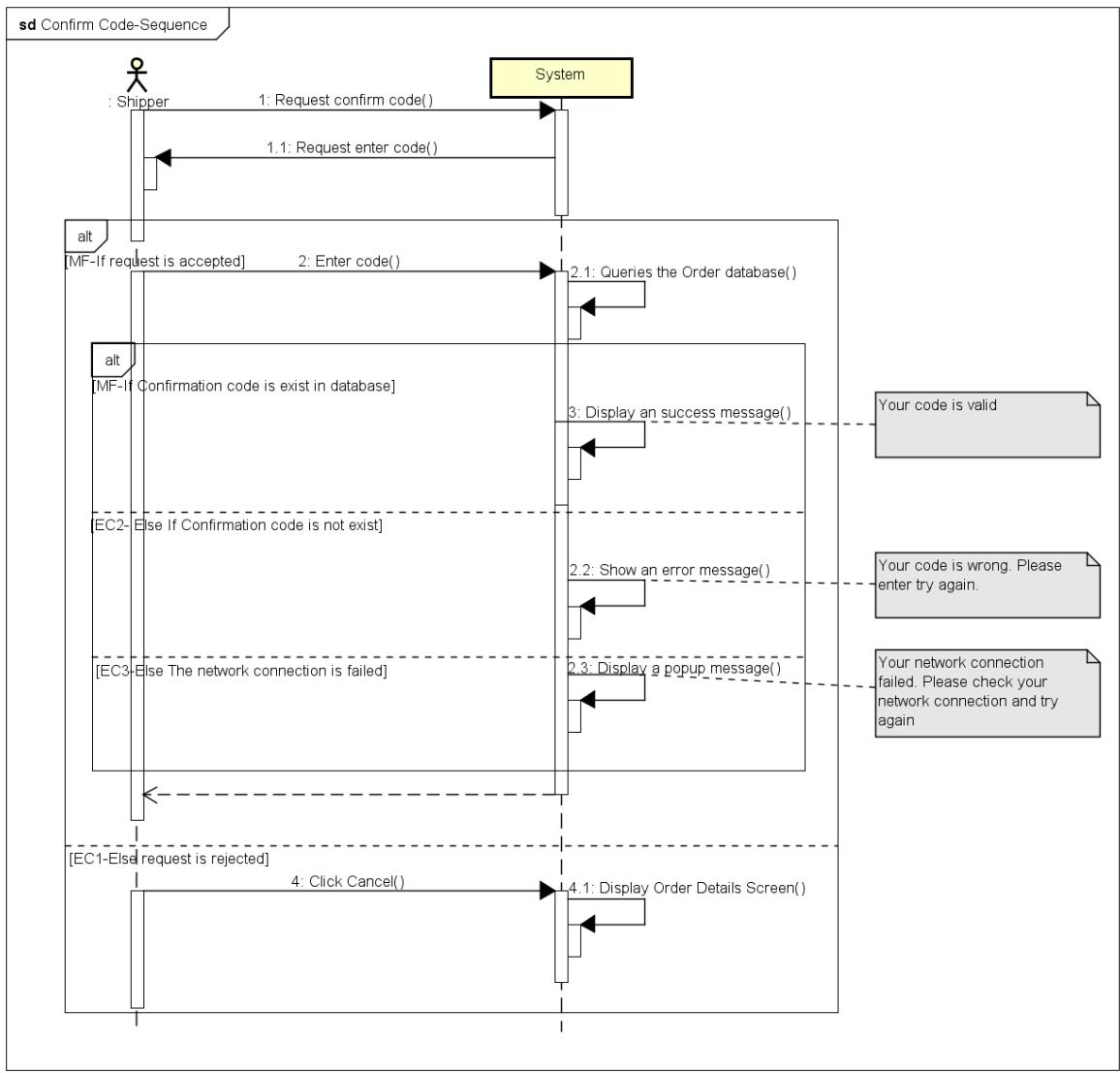
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UC-307: Confirm Code

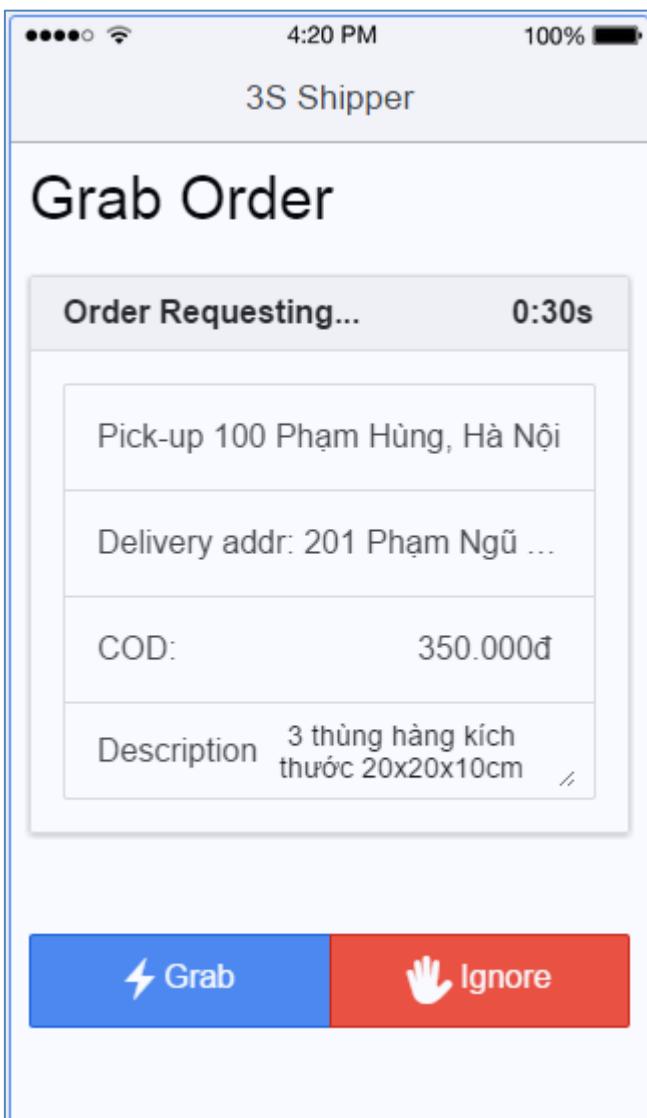
<b>Use Case ID:</b>	UC-007		
<b>Use Case Name:</b>	Confirm Code		
<b>Created By:</b>	QuyenNV	<b>Last Updated By:</b>	QuyenNV
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	30/09/2015
<b>Actor:</b>	Shipper		
<b>Description:</b>	When shipper goes to pick up order. Shipper have to provide confirmation which automatically generated by system. System auto generate confirmation code when create an order. Using a confirmation code to avoid wrong order or wrong place.		
<b>Triggering event</b>	Shipper wants to confirm order, store. Shipper needs to enter confirmation code.		
<b>Preconditions:</b>	<ul style="list-style-type: none"> <li>- To have internet connection through a device</li> <li>- To be logged in the system</li> </ul>		

		- Switch to [View Order's Details] screen.
<b>Post conditions:</b>	Order's Code is confirmed	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Always	
<b>Main flow</b>		
Step	Actor	Action
1.	Shipper	Clicks [Enter Code] button
2.	System	Display [Enter Code] screen
3.	Shipper	Enter code which be provided by customer and clicks "Enter" button.
4.	System	Queries the Order database
5.	System	Display an success message on [View Order's Details] screen
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1	At step 2, if Shipper doesn't enter confirmation code.	
Step	Actor	Action
2.1	Shipper	Taps on "Cancel" button
2.2	System	Display "View Order's Detail" screen
EC2	At step 4, if code in Order database does not exist or Order cannot establish a connection to the database due to some reasons (ex: network failure).	
Step	Actor	Action
4.1	System	An error message will show up on screen to tell the shipper about the problem
EC3	At step 4, Order cannot establish a connection to the database due to some reasons (ex: network failure).	
Step	Actor	Action
4.1	System	Display a popup message "Your network connection failed. Please check your network connection and try again" will show up on screen to tell the shipper about the problem.
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		N/A
<b>Notes and Issues:</b>		N/A

### Sequence Diagram:



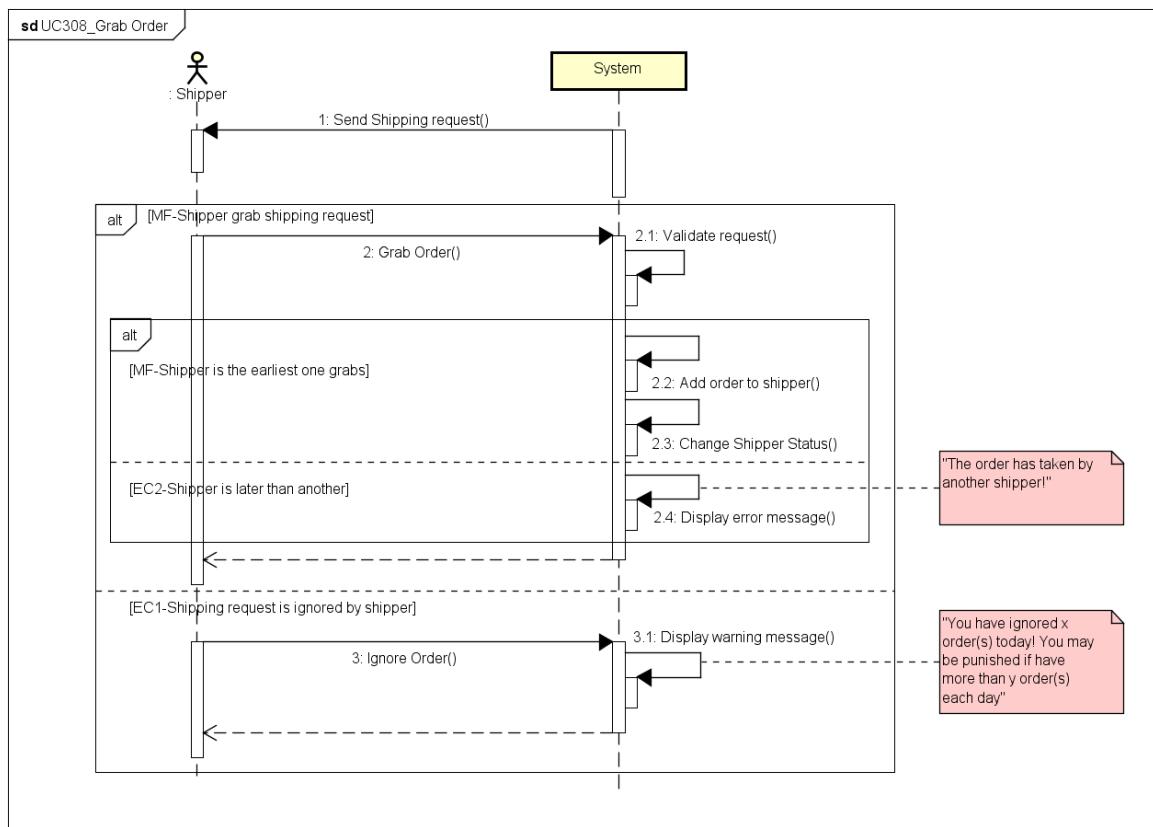
powered by Astah

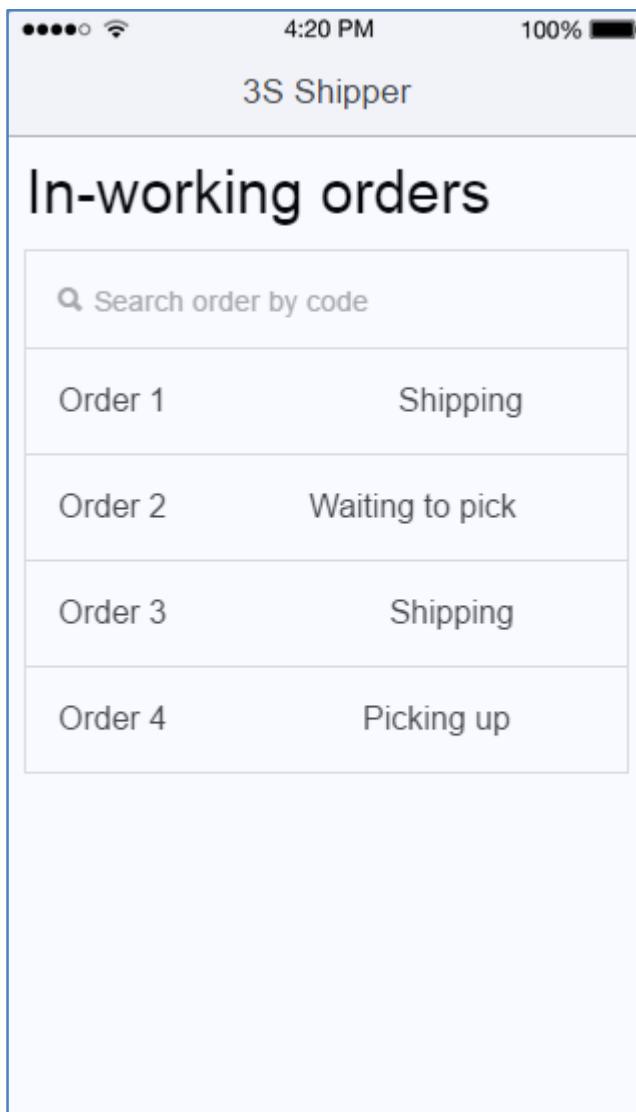
UC-308: Grab order

<b>Use Case ID:</b>	UC308		
<b>Use Case Name:</b>	Grab order		
<b>Created By:</b>	HuyTDH	<b>Last Updated By:</b>	HuyTDH
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	19/09/2015
<b>Actor:</b>	Shipper		
<b>Description:</b>	When the sever concurrently sends shipping order to 5 shippers, the shipper who grabs order at the earliest time will take that order into his in working list		
<b>Triggering Event:</b>	Server sends shipping request to that shipper		
<b>Pre-conditions:</b>	Shipper logged in, internet connection is on, system is requesting to ship order		
<b>Post-conditions:</b>	The order has been added to shipper's working list, shipper's status has been changed to "Busy"		

<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Often	
<b>Main flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
1.	System	Sends shipping request to shipper's app
2.	Shipper	Tabs on button "Grab" to take the order
3.	System	Validates whether the shipping that request has been taken by another shipper or not
4.	System	Adds order to shipper's working
5.	System	Changes shipper's status to "Busy"
6.	System	Disables this request to other shippers
<b>Alternative :</b>		
N/A		
<b>Exceptions:</b>		
EC1	Shipper ignores request at step 2	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
2.1	Shipper	Tabs on button "Ignore"
2.2	System	Shows confirm box
	Shipper	Confirms to ignore
	System	Shows warning "You have ignored x order(s) today!"
EC2	Shipper tabs on button "Grab" later than another shipper at step 2	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
2.1	Shipper	Tabs on "Grab"
2.2	System	Shows message "The order has been taken by another shipper!"
<b>Includes:</b>		
<b>Special Requirements:</b>		
Shipper who receives shipping request is in top 5 nearest available ones from the store of that order.		
<b>Notes and Issues:</b>		
N/A		

## Sequence Diagram



UC309: View Orders List

<b>Use Case ID:</b>	UC309	
<b>Use Case Name:</b>	View orders list	
<b>Created By:</b>	HuyTDH	<b>Last Updated By:</b> HuyTDH
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 25/09/2015
<b>Actor:</b>	Shipper	
<b>Description:</b>	Shipper sees the list of his in-working orders (all of his undone orders will be displayed here)	
<b>Triggering Event:</b>	Shipper wants to see all orders that he has to do	
<b>Preconditions:</b>	Shipper logged in	
<b>Post conditions:</b>	List in-working orders of this shipper is showed	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Always	
<b>Main flow</b>		
Step	Actor	Action

1.	Shipper	expands menu bar and tabs on “In-working orders”
2.	System	loads all data about in-working orders of that shipper
3.	System	shows list in-working orders as a table, includes content: - Order code - Current Status

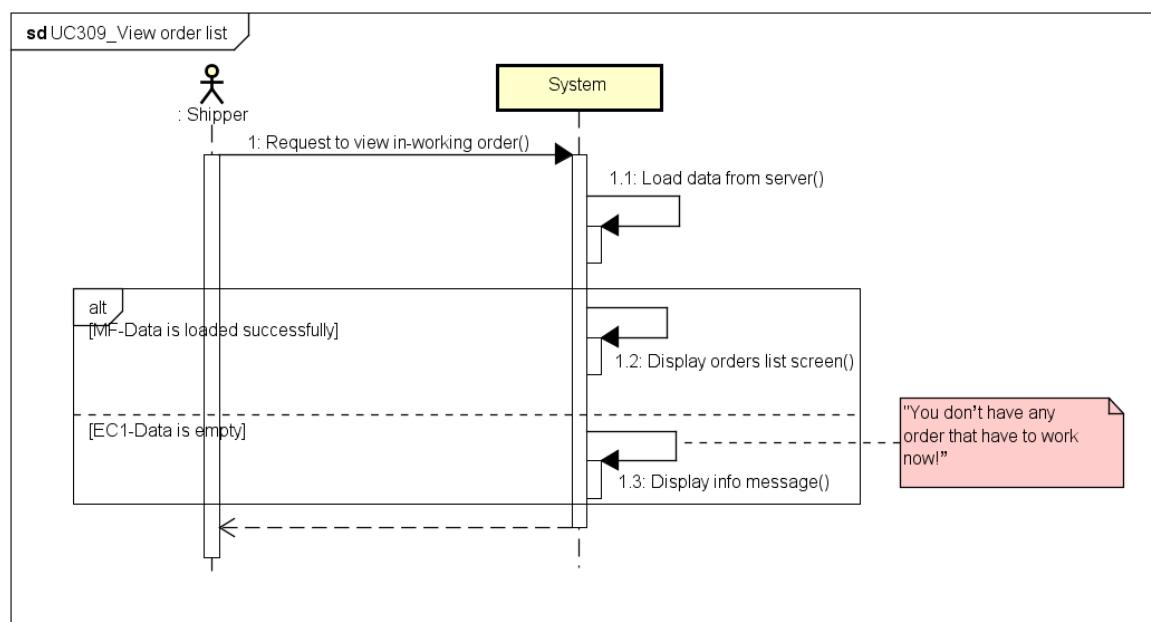
**Alternative Flows:**

N/A

**Exceptions:**

EC1 Current in-working orders of that shipper is empty at step 3

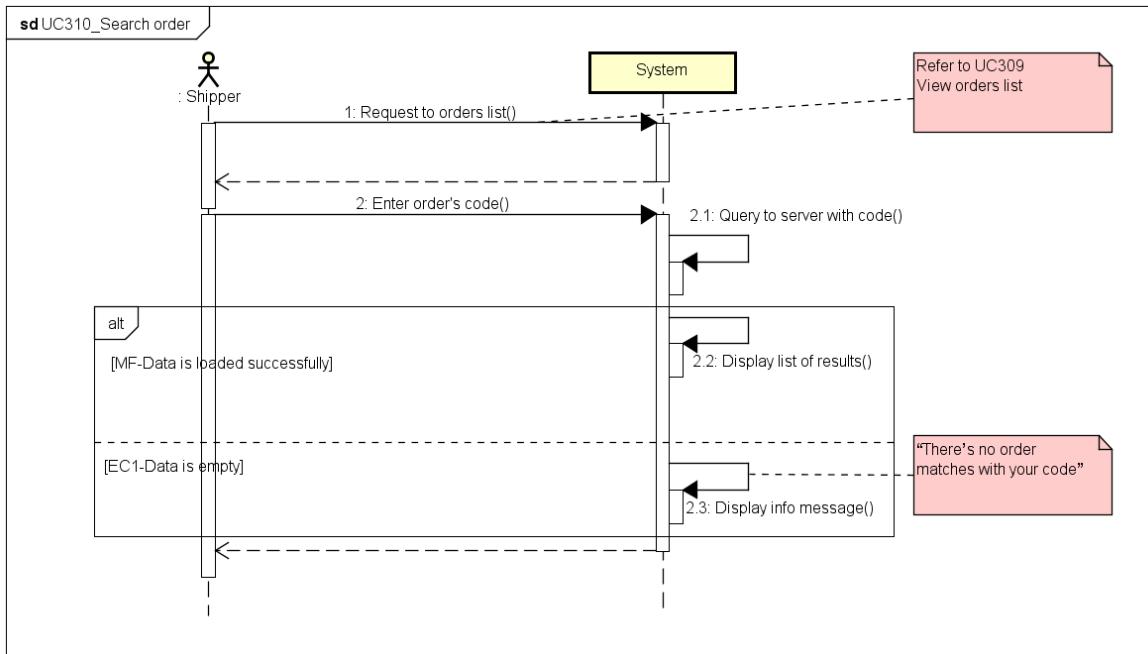
Step	Actor	Action
3.1	System	Displays info message “You don’t have any order that have to work now!”
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		N/A
<b>Notes and Issues:</b>		N/A

**Sequence Diagram**

*UC310: Search Order*

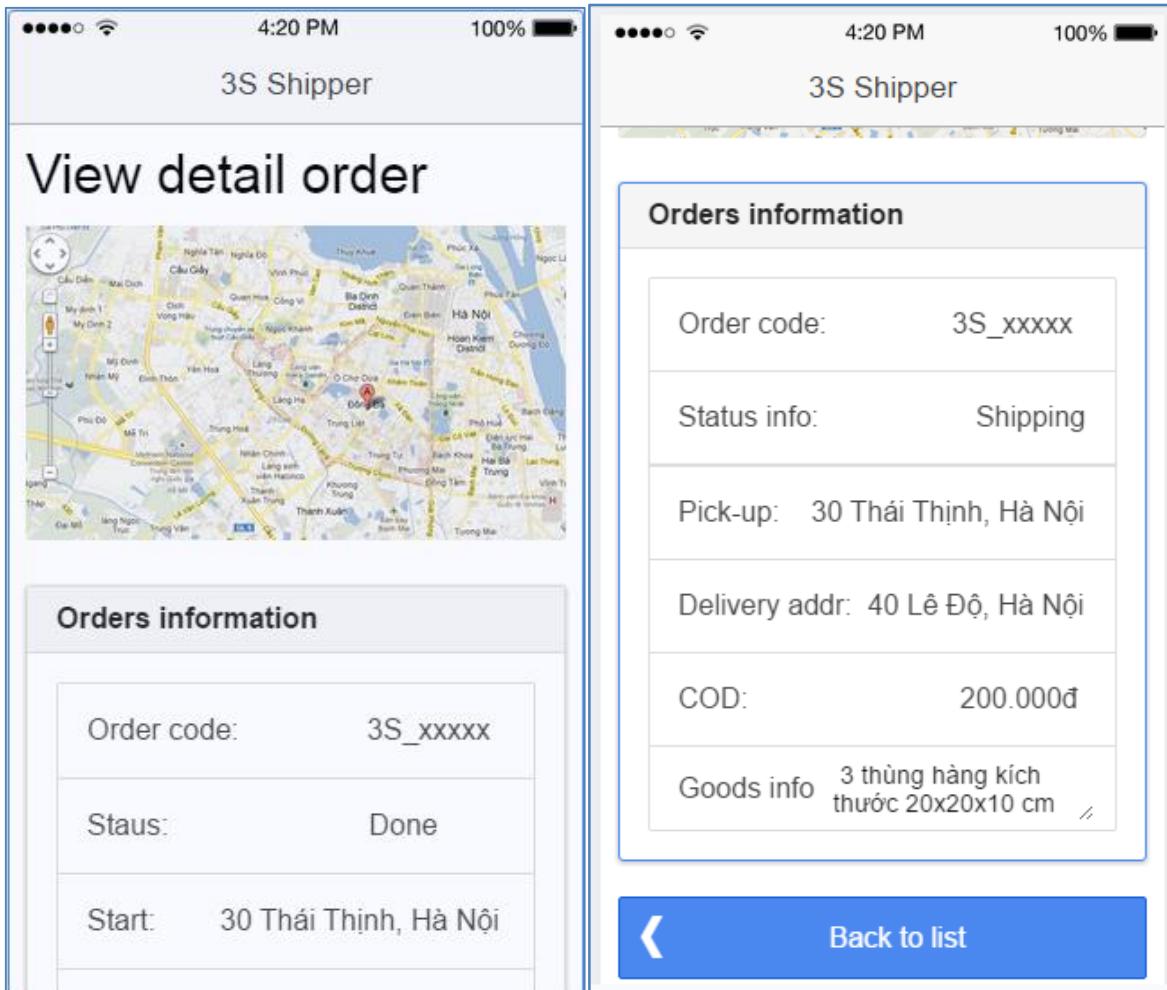
<b>Use Case ID:</b>	UC310	
<b>Use Case Name:</b>	Search order	
<b>Created By:</b>	HuyTDH	<b>Last Updated By:</b> HuyTDH
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 25/09/2015
<b>Actor:</b>	Shipper	
<b>Description:</b>	Shipper enters full or a part of order code to search order(s) from list of many orders.	
<b>Triggering Event:</b>	Shipper want to find a specific order(s) by code	
<b>Preconditions:</b>	Shipper on View Orders List: UC309 (See above)	
<b>Post conditions:</b>	Orders that match search condition will be displayed	
<b>Priority:</b>	Normal	
<b>Frequency of Use:</b>	Sometimes	
<b>Main flow</b>		
Step	Actor	Action
1.	Shipper	Goes to “View orders list” screen (refer to UC309 View order list)
2.	Shipper	Types order’s code to search box
3.	System	Filters orders data from current list
4.	System	Displays all in-working orders that match with search key
<b>Alternative Flows:</b>		
<b>Exceptions:</b>		
EC1	There’s no order matches with code which is entered by shipper	
Step	Actor	Action
3.1	System	Displays info message “There’s no order matches with your code”
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		Order code has format <b>3Sxxxxxx</b> but shipper no need to enter <b>3S</b> prefix of code Case insensitive search
<b>Notes and Issues:</b>		Code format will be defined in the later phrase

## Sequence Diagram



UC311: View Order's Detail

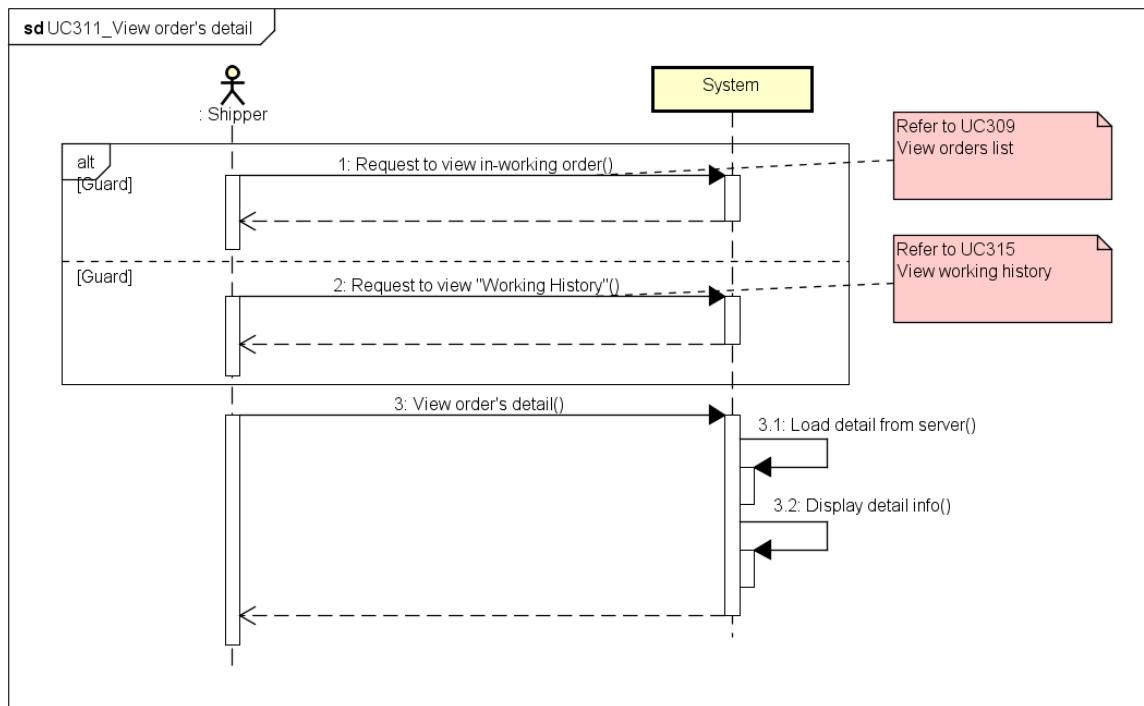
## Mockup Design

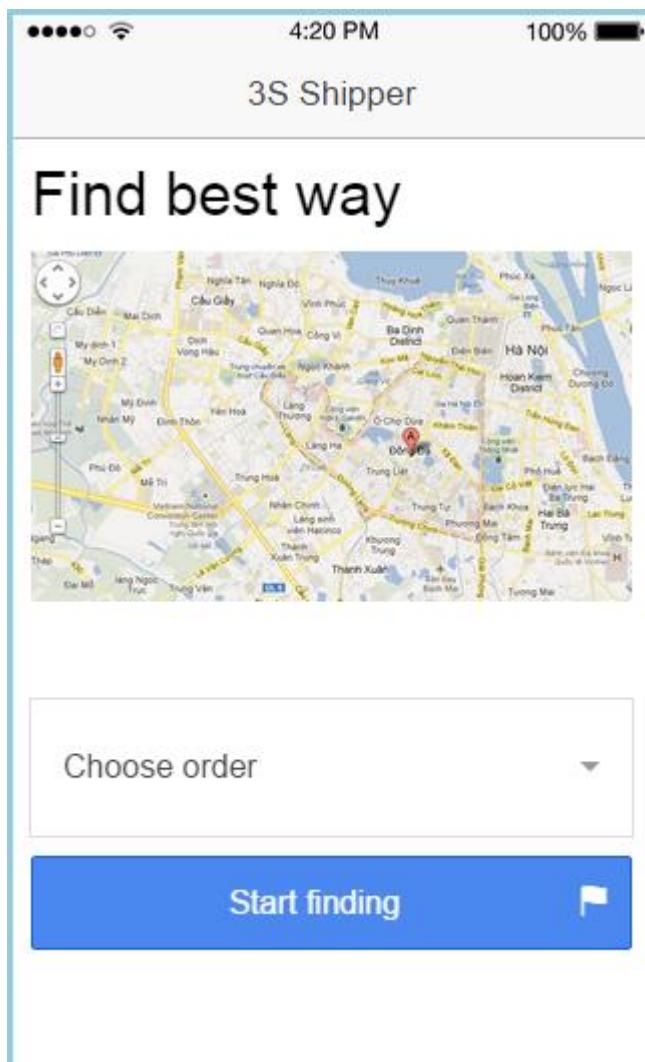


<b>Use Case ID:</b>	UC311	
<b>Use Case Name:</b>	View order's detail	
<b>Created By:</b>	HuyTDH	<b>Last Updated By:</b> HuyTDH
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 25/09/2015
<b>Actor:</b>	Shipper	
<b>Description:</b>	Shipper views detail information of an order. This order could be selected from “In-working orders” screen or from “Working History” screen of the shipper.	
<b>Triggering Event:</b>	Shipper wants to see order's detail information	
<b>Preconditions:</b>	Shipper is on list orders screen or working history screen	
<b>Post conditions:</b>	Detail information of that order is displayed	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Always	
<b>Main flow</b>		
Step	Actor	Action
1.	Shipper	Enters “In-Working Orders” screen (Refer to UC309 above)

2.	Shipper	Tabs on “View detail” of that order from the list		
3.	System	Loads detail info of that order from server		
4.	System	Displays the detail information of order, includes: <ul style="list-style-type: none"> <li>- Order code</li> <li>- Order status</li> <li>- Pick-up address</li> <li>- Delivery address</li> <li>- COD (cast on delivery amount)</li> <li>- Products information</li> </ul>		
<b>Alternative Flows::</b>				
AT1	Shipper views detail from history:			
Step	Actor	Action		
1.1	Shipper	Accesses “History” screen		
1.2	Shipper	Tabs on an order from the list		
	Go to step 3 of main flow			
<b>Exceptions:</b>				
N/A				
<b>Includes:</b>		N/A		
<b>Special Requirements:</b>		N/A		
<b>Notes and Issues:</b>		N/A		

## Sequence Diagram

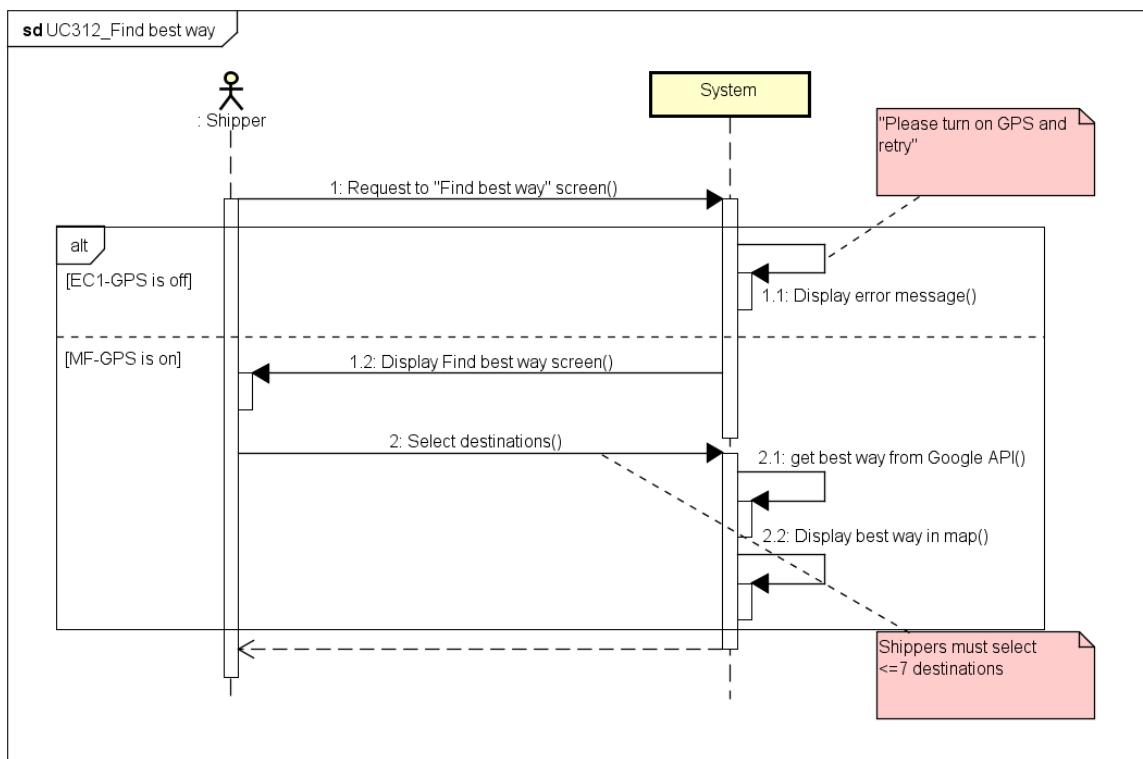


UC312: Find Best Way

<b>Use Case ID:</b>	UC312		
<b>Use Case Name:</b>	Find best way		
<b>Created By:</b>	HuyTDH	<b>Last Updated By:</b>	HuyTDH
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	25/09/2015
<b>Actor:</b>	Shipper		
<b>Description:</b>	Shipper uses 3S system to find out the shortest way to go to destinations. A path, which goes through all the selected descriptions and has least duration, will be drawn on the map.		
<b>Triggering event:</b>	Shipper wants to find best way to go for his in-working orders.		
<b>Preconditions:</b>	Shipper logged in Internet connection is on GPS is on		

<b>Post conditions:</b>	The shortest way that go through all selected destinations will be displayed on map.	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Always	
<b>Main flow</b>		
Step	Actor	Action
1.	Shipper	Selects “Find best way” from menu
2.	System	Shows “Find best way” screen, includes: - Google map - Destinations select box - “Find” button
3.	Shipper	Chooses one or all destinations
4.	Shipper	Tabs on “Find”
5.	System	Call Google API to get the best way
6.	System	Displays the shortest way to destinations on the map
<b>Alternative Flows:</b>		N/A
<b>Exceptions:</b>		
EC1	At step 1 if GPS is off	
Step	Actor	Action
1.1	System	System displays message “Please turn on GPS and retry”
1.2	Shipper	Shipper turn on GPS
		Go to step 2 of main flow
<b>Includes:</b>		N/A
<b>Special Requirements:</b>		Shipper can choose <= 7 destinations
<b>Notes and Issues:</b>		N/A

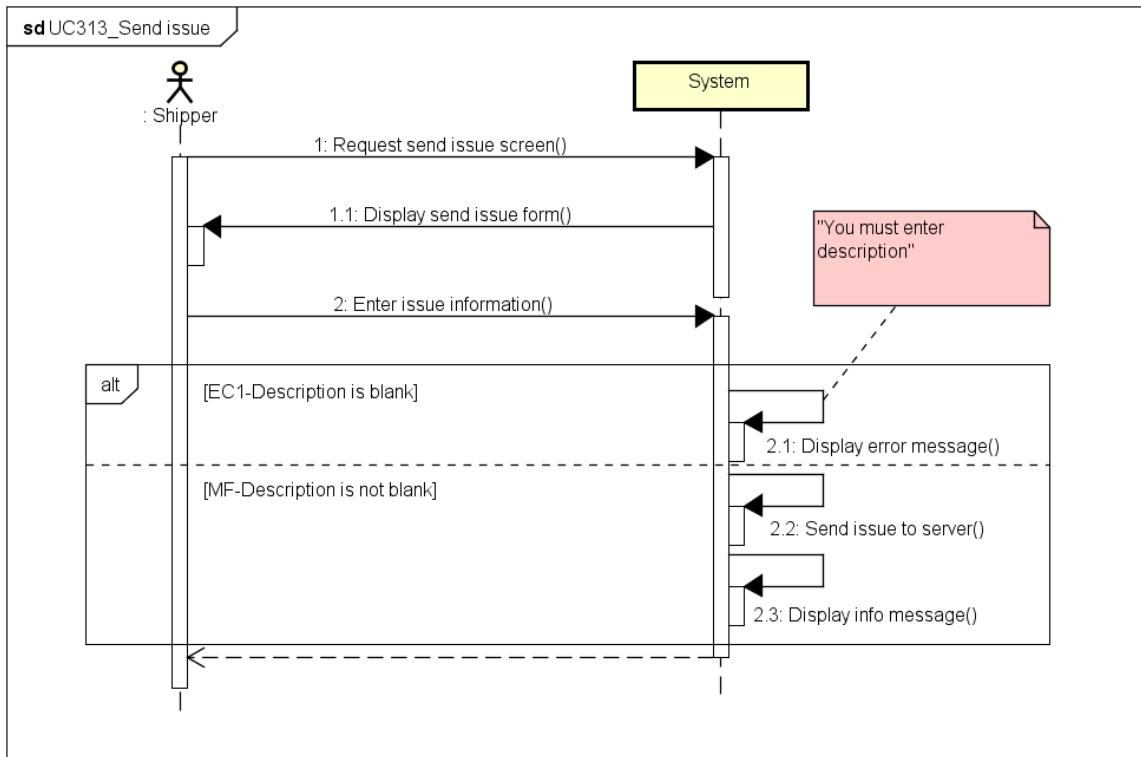
## Sequence Diagram

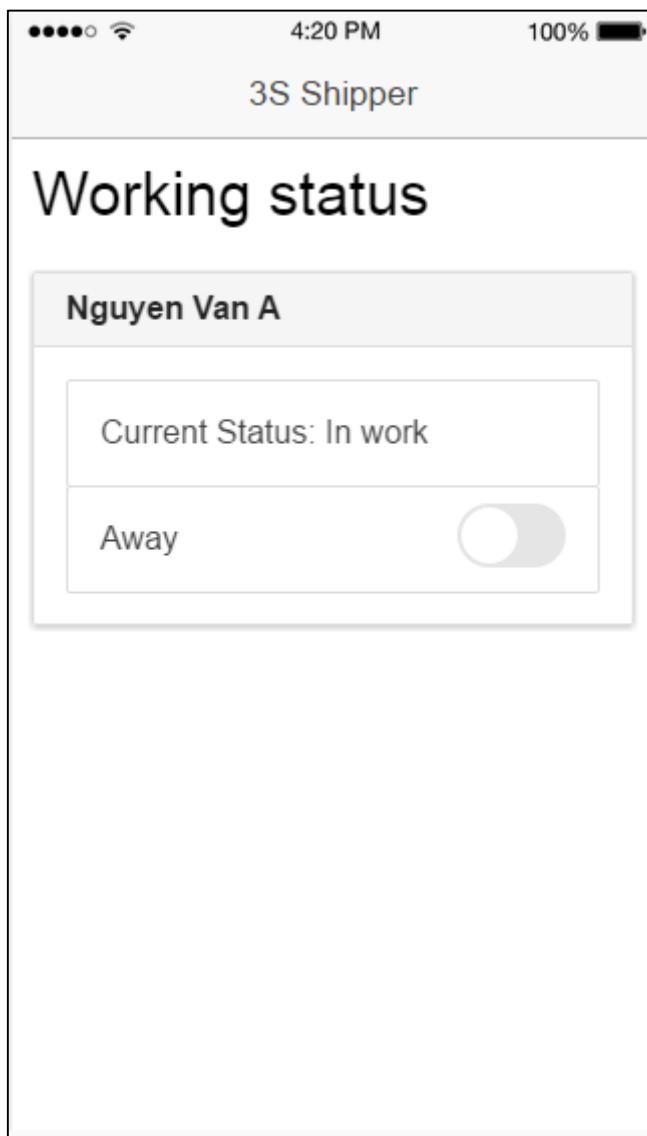


*UC313 Send Issue's Information*

<b>Use Case ID:</b>	UC313	
<b>Use Case Name:</b>	Send issue's information	
<b>Created By:</b>	HuyTDH	<b>Last Updated By:</b> HuyTDH
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b> 19/09/2015
<b>Actor:</b>	Shipper	
<b>Description:</b>	Shipper sends issues to Admin to solve. Issue's content will contain the most important information such as category of issue, the orders which this issue influents and a short description from shipper.	
<b>Triggering Event:</b>	Shipper got issues and need to send to Admin	
<b>Preconditions:</b>	Shipper logged in	
<b>Post conditions:</b>	Issue has been sent to Admin Notification about issue has been display in admin's screen	
<b>Priority:</b>	High	
<b>Frequency of Use:</b>	Sometimes	
<b>Main flow</b>		
<b>Step</b>	<b>Actor</b>	<b>Action</b>
1.	Shipper	Chooses “Send Issue” from Menu
2.	System	Displays “Send Issue Box”, includes: - “Issue Category” selected box (Vehicle, Time, Goods, Customer, Other) - “Order” multi-selected box
3.	Shipper	Types “Description”, chooses “Issue Category”, and could select one or all of his in-working orders.
4.	Shipper	Tabs on “Send”
5.	System	Shows message “Issue has sent to system. Wait for Admin to solve”
6.	System	Sends notification to admin about issue
<b>Alternative Flows:</b> N/A		
<b>Exceptions:</b>		
EC1	At step 3, shipper doesn't enter description	
<b>Step</b>	<b>Actor</b>	<b>Action</b>
1.1	System	System displays message “You must enter description”
1.2	Shipper	Shipper re-enter description
		Go to step 4 of main flow
<b>Includes:</b> N/A		
<b>Special Requirements:</b> N/A		
<b>Notes and Issues:</b> Issue description should have 30 - 250 characters		

## Sequence Diagram

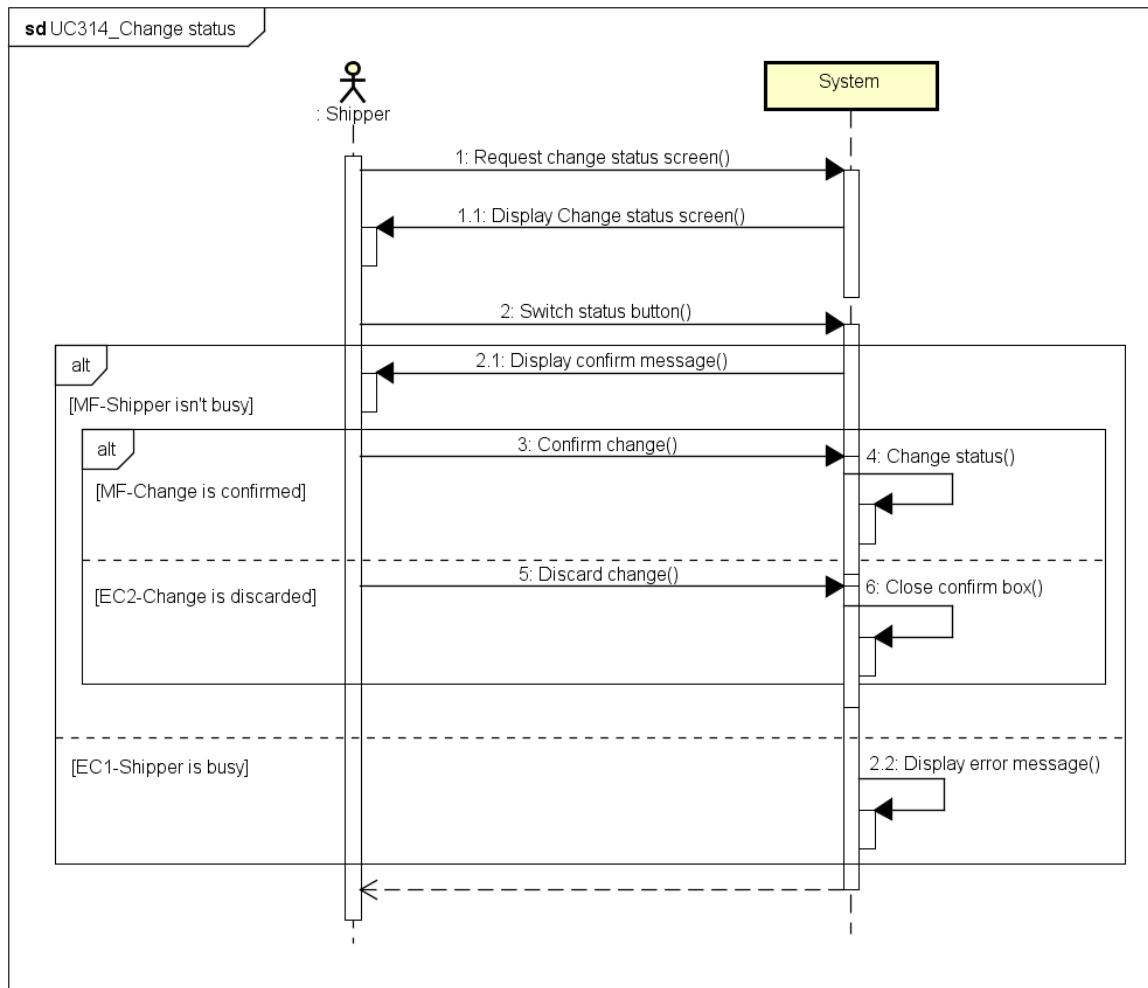


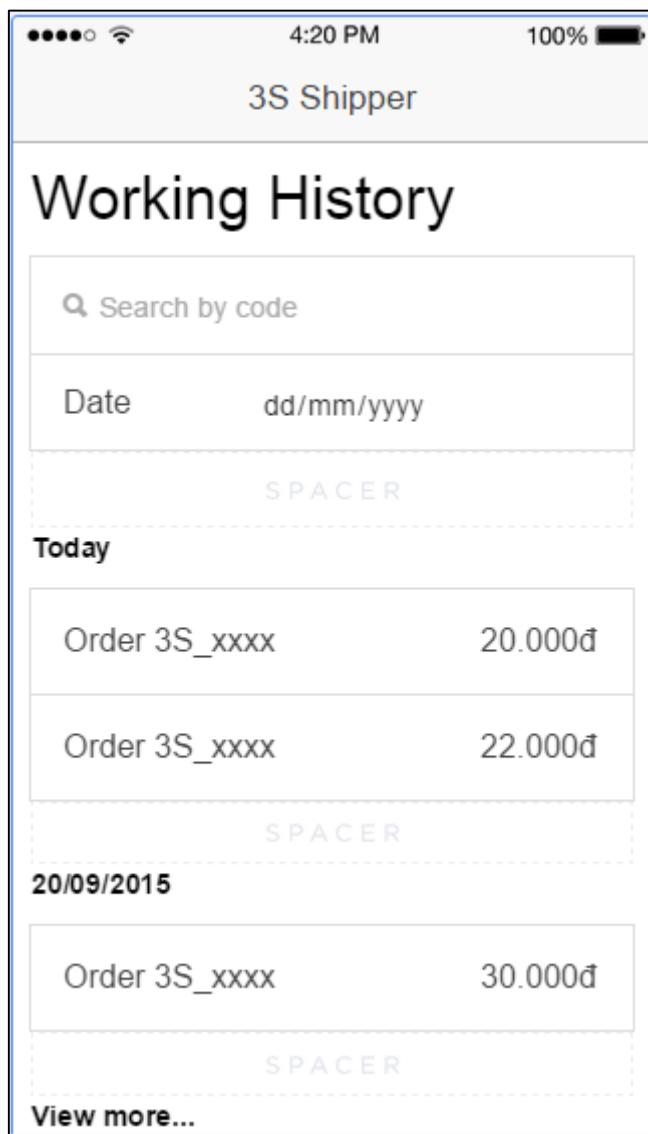
UC314 Change Working Status

<b>Use Case ID:</b>	UC314		
<b>Use Case Name:</b>	Change working status		
<b>Created By:</b>	HuyTDH	<b>Last Updated By:</b>	HuyTDH
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	20/09/2015
<b>Actor:</b>	Shipper		
<b>Description:</b>	Shipper changes his working status “On working” / “Away”. The system will depend on this status to decide to send shipping request to the shipper or not.		
<b>Triggering Event:</b>	Shipper want to switch his status between ready to work or not ready.		
<b>Preconditions:</b>	Shipper logged in Shipper current status is not “Busy”		
<b>Post conditions:</b>	Working status changed to “On working” / ”Away”		
<b>Priority:</b>	Normal		

<b>Frequency of Use:</b> Sometimes		
<b>Main flow</b>		
Step	Actor	Action
1.	Shipper	Shipper expands menu bar and tabs on “Change status”
2.	System	System displays current status “On working” or ”Away”
3.	Shipper	Shipper switches status button
4.	System	System shows confirm message “Confirm change your status to [ABC]” ([ABC] is “On working” or ”Away”)
5.	Shipper	Shipper tabs on “Confirm”
6.	System	System changes the status
<b>Alternative Flows:</b> N/A		
<b>Exceptions:</b>		
EC1	Shipper is on the way to ship some orders	
Step	Actor	Action
1	System	System displays current status “Busy”
2	Shipper	Shipper tabs on “Change”
	System	System shows message “You can’t change status while shipping. Complete all in-working orders or contact to Admin”
<b>Includes:</b> N/A		
<b>Special Requirements:</b> N/A		
<b>Notes and Issues:</b> Change status should have time		

## Sequence Diagram

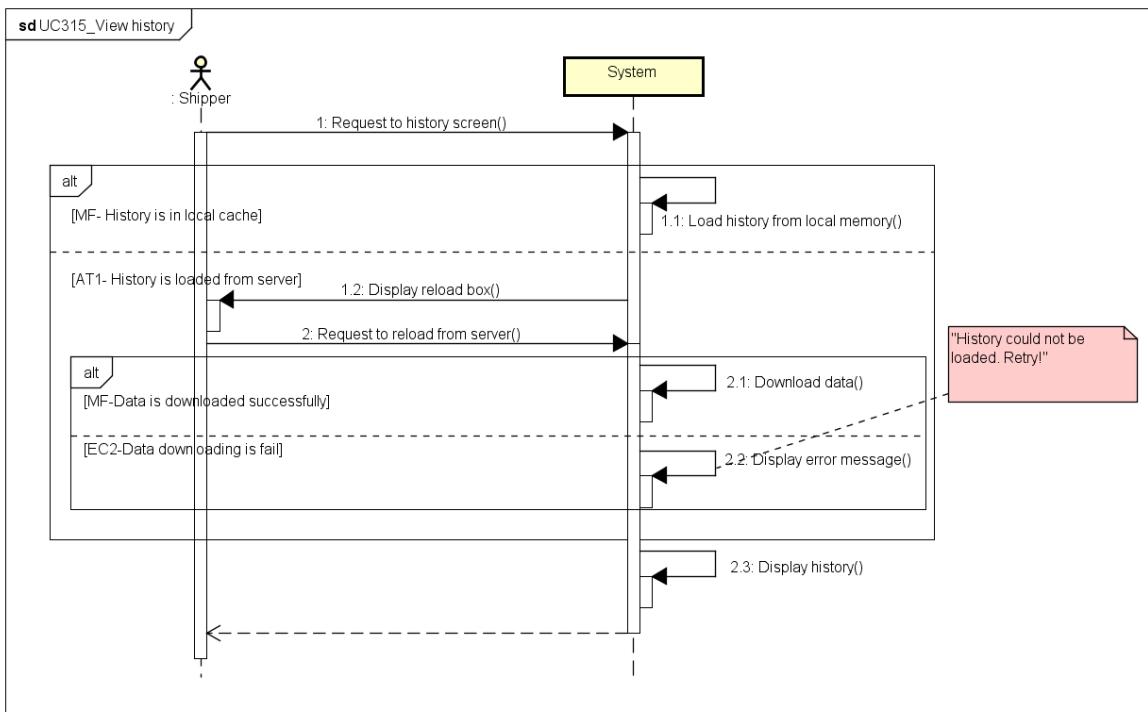


UC315 View History

<b>Use Case ID:</b>	UC315		
<b>Use Case Name:</b>	View history		
<b>Created By:</b>	HuyTDH	<b>Last Updated By:</b>	HuyTDH
<b>Date Created:</b>	19/09/2015	<b>Date Last updated:</b>	26/09/2015
<b>Actor:</b>	Shipper		
<b>Description:</b>	Shipper views his working history to know how much salary and bonus money he will get base on amount of his done orders.		
<b>Triggering Event:</b>	Shipper wants to review history		
<b>Preconditions:</b>	Shipper logged in		
<b>Post conditions:</b>	Working history of that shipper will be displayed		
<b>Priority:</b>	High		
<b>Frequency of Use:</b>	Often		

<b>Main flow</b>		
Step	Actor	Action
1.	Shipper	Shipper chooses “History” from menu
2.	System	System load history saving in device memory
3.	System	System displays working history of that shipper, also includes bellow feature: <ul style="list-style-type: none"> <li>- Date filter</li> <li>- Order code filter</li> <li>- List of history orders</li> <li>- “View more” link if there more orders is not yet displayed</li> </ul>
<b>Alternative Flows:</b>		
AT1	At step 2, working history in device was cleared and shipper has to load from server	
Step	Actor	Action
2.1	System	System shows message “Can’t find working history. Reload from server?”
2.2	Shipper	Shipper tabs on “Reload”
2.3	System	Load history log from server and save to device
		Go to step 3 of main flow
N/A		
<b>Exceptions:</b>		
EC1	At step 2.2 of Alternative 1 history can’t be loaded from server	
Step	Actor	Action
2.2.1	System	Displays error message “History could not be loaded. Retry!”
<b>Includes:</b>		
<b>Special Requirements:</b>		Default will display last 20 orders Clicks “See more” will load 20 more orders
<b>Notes and Issues:</b>		History will be save in device memory Shipper don’t need internet to load history

## Sequence Diagram



## 2. NON – FUNCTIONAL REQUIREMENTS

### 2.1 Usability

User interface should be clear and easy to use.

- Use material design style with light colors
- User can complete each function in less than 10 actions

### 2.2 Performance

- Time delay for find shipper who nearest with place of delivery is less than 10s.
- Time delay on web application for tracking state of shipper on map is less than 5m.
- Server can handle least 2000 clients concurrently.
- Other functions of server perform well while have many order running on application.

### 2.3 Reliability

- The application is available 24/7.
- Find the way to go to places of receive and place of delivery are at least 90%.

### 2.4 Maintainability

- Web application is easily to maintain without any crashes. Source code is readability, organized into groups of skeleton (modules) and complies with coding convention.
- Android application is easily to be updated and synchronize with Web application without any crashes. Source code is readability, complies with coding convention.
- System's architecture has to be design to be easy to extend.

### 2.5 Security

- Information of admin/ root admin / data on server is secured.
- Information of store and shipper on server is secured.