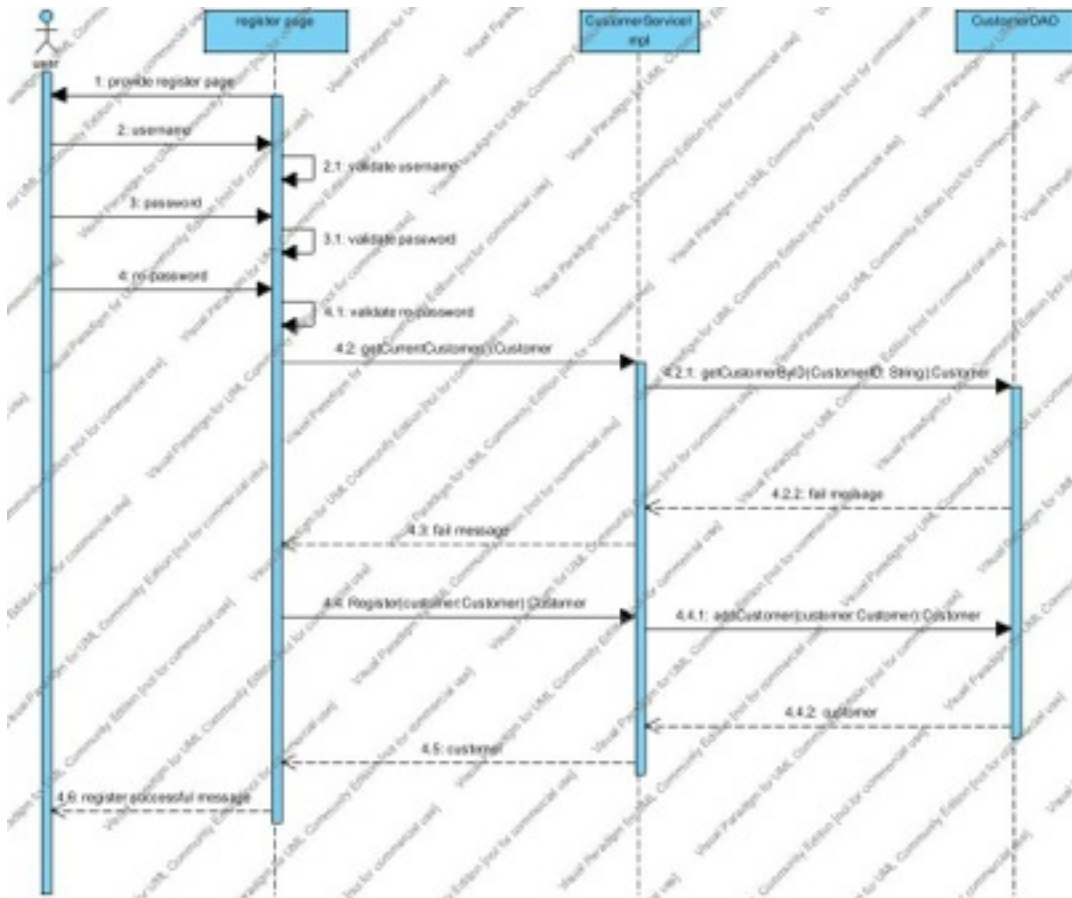


## Integration test

### URS-1 user can register account normal flow



## test case

### ITC-01

Check the integration between register page and CustomerServiceImpl by `getCurrentCustomer():Customer` method

Test Case ID	ITC-01
Test Item(s)	register page → CustomerServiceImpl
Input Specification	valid but not existed customer password and username that user input
Expect Output	return null
Actual Output	

Check the integration CustomerServiceImpl and CustomerDAO by `Customer getCustomerById(String customerID)` method

## ITC-02

Test Case ID	ITC-02
Test Item(s)	CustomerServiceImpl →CustomerDAO
Input Specification	validate but not existed customer password and username that user input
Expect Output	Return null
Actual Output	

Check the integration between register page and CustomerServiceImpl by Customer Register(Customer customer) method

## ITC-03

Test Case ID	ITC-03
Test Item(s)	register page →CustomerServiceImpl
Input Specification	Validate and existed customer password and username that user input
Expect Output	Return the customer object
Actual Output	

Check the integration CustomerServiceImpl and CustomerDAO by Customer addCustomer(Customer customer) method

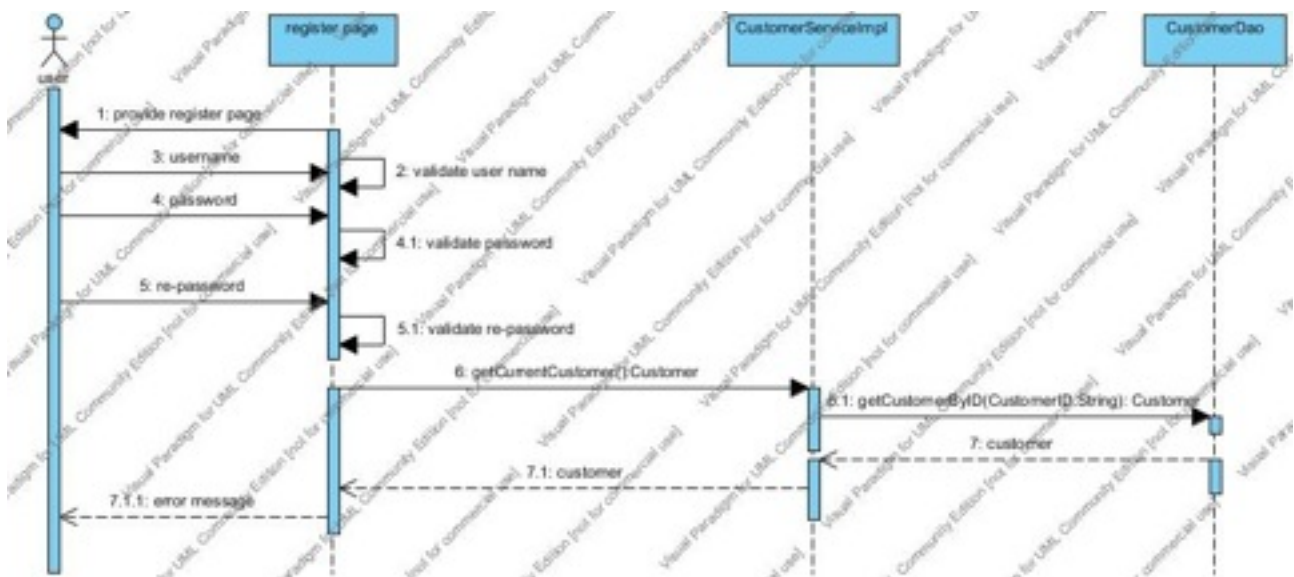
## ITC-04

Test Case ID	ITC-04
Test Item(s)	CustomerServiceImpl →CustomerDAO
Input Specification	validate and existed customer password and username that user input
Expect Output	Return the customer object
Actual Output	

## Input Data:

Username:	552115511@vr.camt.info
Password:	552115511

## URS-1 user can register account alternative flow B



test case

### ITC-05

Check the integration between register page and CustomerServiceImpl by getCurrentCustomer():Customer method

Test Case ID	ITC-05
Test Item(s)	register page → CustomerServiceImpl
Input Specification	valid customer password and username that user input
Expect Output	return a customer if the customer exist in database
Actual Output	

### ITC-06

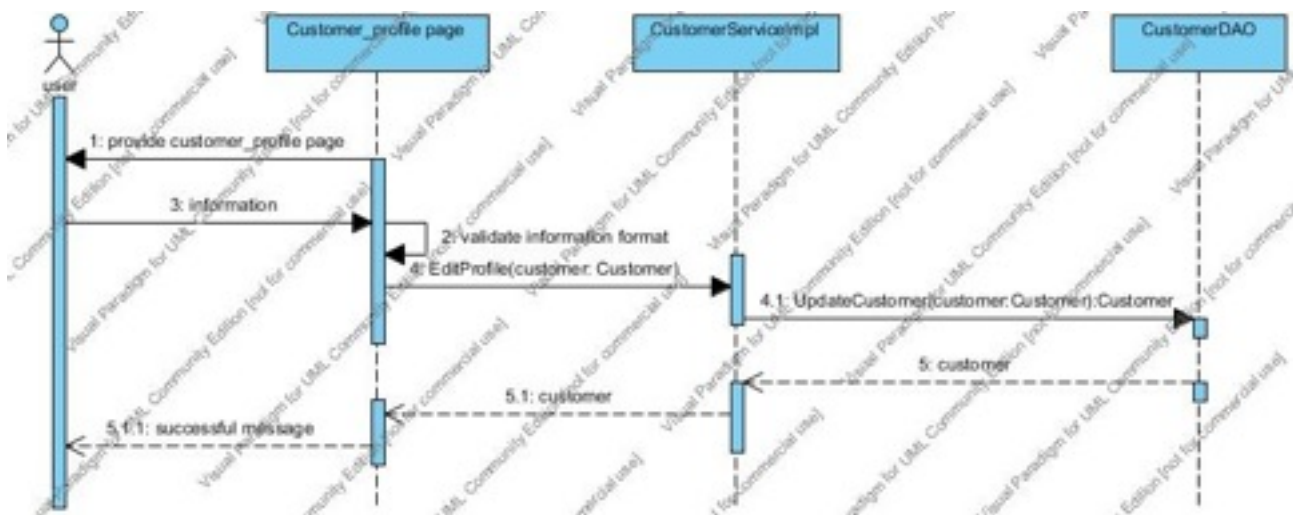
Check the integration CustomerServiceImpl and CustomerDAO by Customer getCustomerById(String customerID) method

Test Case ID	ITC-06
Test Item(s)	CustomerServiceImpl → CustomerDAO
Input Specification	validate customer password and username that user input
Expect Output	return a customer if the customer exist in database
Actual Output	

**Input Data:**

<b>Username:</b>	<u>542115511@vr.camt.info</u>
<b>Password:</b>	542115511

URS-2 User can update his/her own account normal flow



test case

### ITC-07

Check the integration between Customer\_profile page and CustomerServiceImpl by Customer updateCustomer(Customer customer) method

<b>Test Case ID</b>	ITC-07
<b>Test Item(s)</b>	customer_profile page → CustomerServiceImpl
<b>Input Specification</b>	valid customer password and optional address, picture that user input
<b>Expect Output</b>	return a customer object
<b>Actual Output</b>	

### ITC-08

Check the integration CustomerServiceImpl and CustomerDAO by Customer getCustomerById(String customerID) method

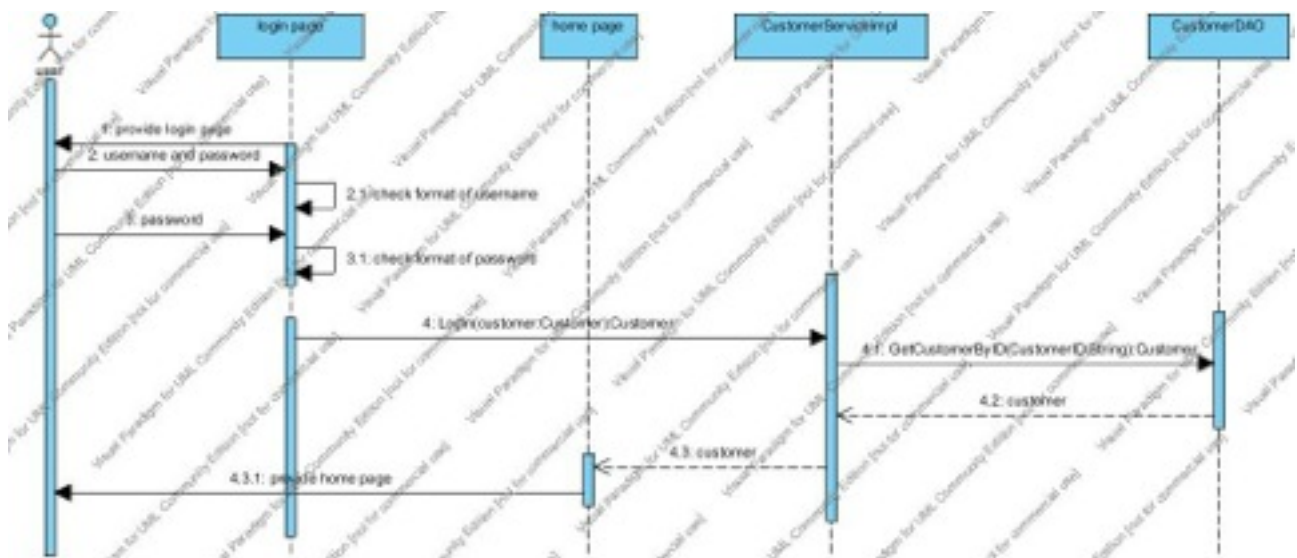
<b>Test Case ID</b>	ITC-08
<b>Test Item(s)</b>	CustomerServiceImpl → CustomerDAO
<b>Input Specification</b>	validate customer password and username that user input

<b>Expect Output</b>	return a customer object
<b>Actual Output</b>	

### Input Data:

<b>Password:</b>	542115510
<b>Address:</b>	chiangmai, thailand

### URS-3 User can login account normal flow



### test case

#### ITC-09

Check the integration between login page and CustomerServiceImpl by Customer Login(Customer customer) method

<b>Test Case ID</b>	ITC-09
<b>Test Item(s)</b>	login page → CustomerServiceImpl
<b>Input Specification</b>	valid and matched customer password and optional address, picture that user input
<b>Expect Output</b>	return a customer object
<b>Actual Output</b>	

#### ITC-10

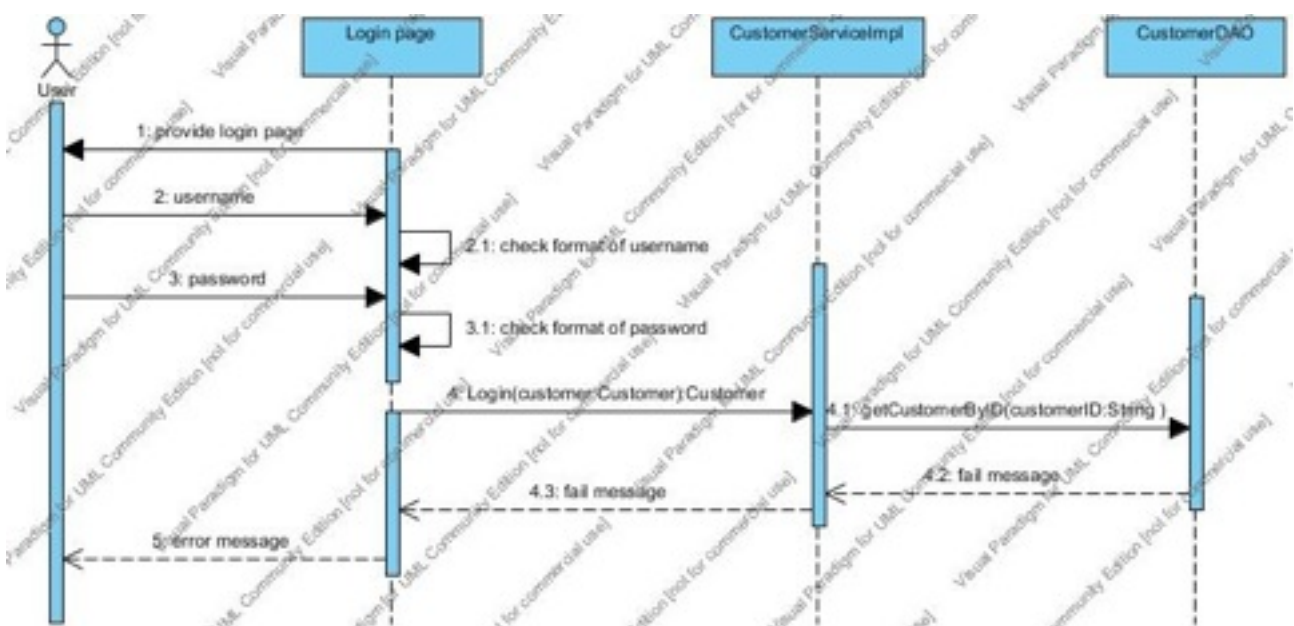
Check the integration CustomerServiceImpl and CustomerDAO by Customer getCustomerById(String customerID) method

Test Case ID	ITC-10
Test Item(s)	CustomerServiceImpl → CustomerDAO
Input Specification	validate and matched customer password and username that user input
Expect Output	return a customer object
Actual Output	

### Input Data:

Username:	542115511@vr.camt.info
Password:	542115511

### URS-3 User can login account alternative flow A



### test case

### ITC-11

Check the integration between login page and CustomerServiceImpl by Customer Login(Customer customer) method

Test Case ID	ITC-11
Test Item(s)	login page → CustomerServiceImpl
Input Specification	valid and unmatched customer password and optional address, picture that user input
Expect Output	return null

Actual Output	
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## ITC-12

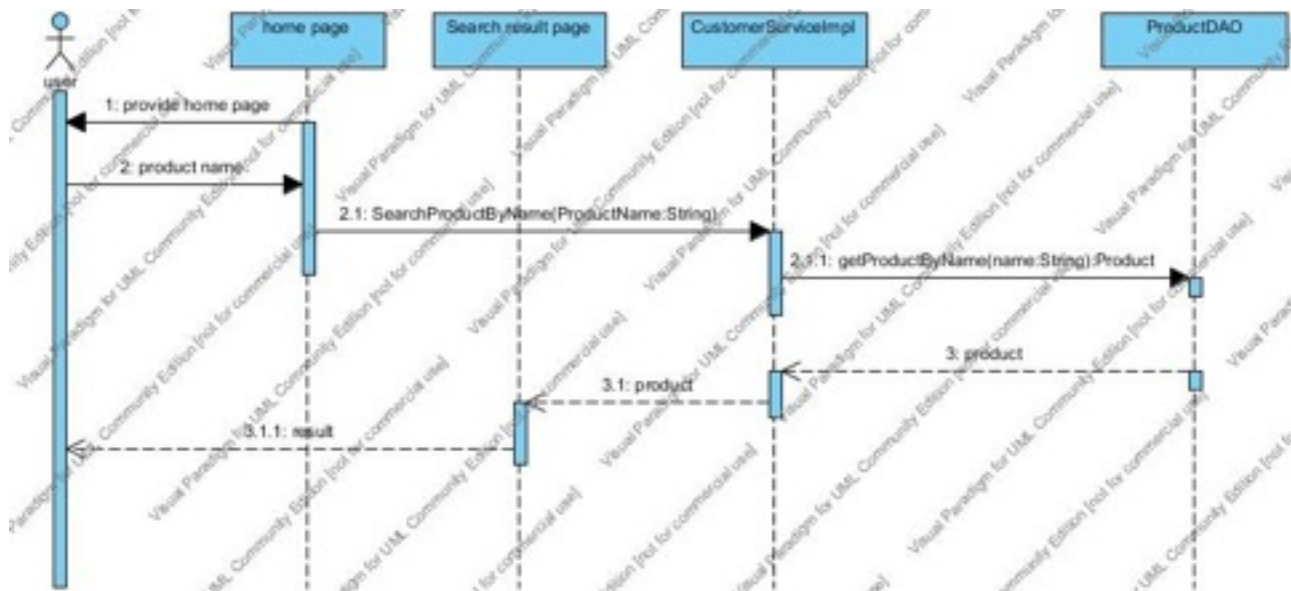
Check the integration CustomerServiceImpl and CustomerDAO by Customer  
getCustomerById(String customerId) method

Test Case ID	ITC-12
Test Item(s)	CustomerServiceImpl →CustomerDAO
Input Specification	validate and unmatched customer password and username that user input
Expect Output	return null
Actual Output	

### Input Data:

Username:	542115511@vr.camt.info
Password:	542115508

URS-5 User can search product he/she want normal flow



test case

## ITC-13

Check the integration between home page and CustomerServiceImpl by List<Product>  
SearchProductByName(String productName) method

Test Case ID	ITC-13
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Test Item(s)	home page → CustomerServiceImpl
Input Specification	existed product name
Expect Output	return product list
Actual Output	

## ITC-14

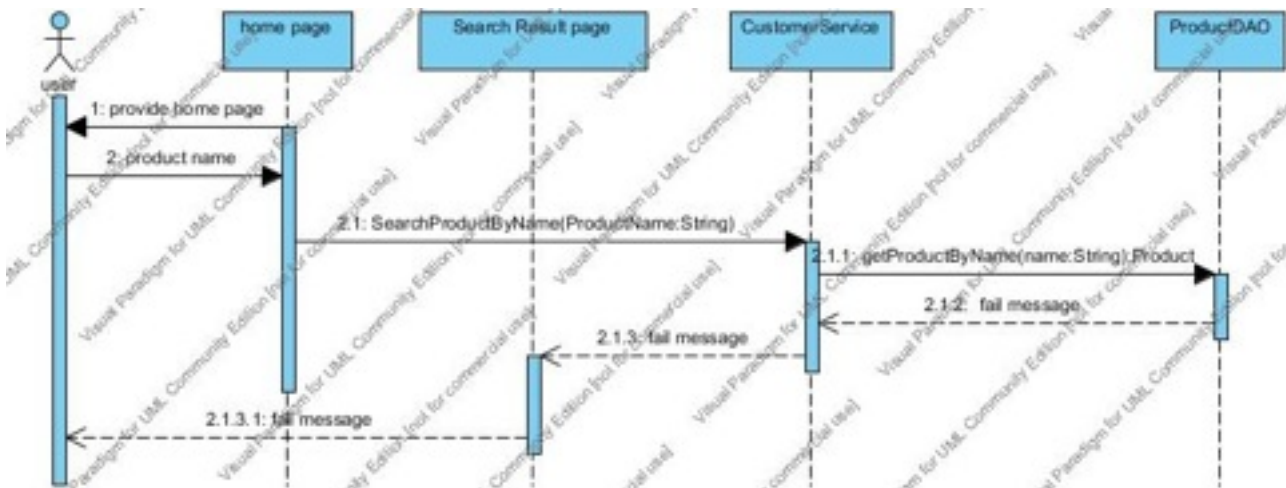
Check the integration CustomerServiceImpl and CustomerDAO by Product  
getProductByName(String productName) method

Test Case ID	ITC-14
Test Item(s)	CustomerServiceImpl → CustomerDAO
Input Specification	existed product name
Expect Output	return product list
Actual Output	

### Input Data:

Product name:	iPhone 4s
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URS-5 User can search product he/she want alternative flow A



test case

## ITC-15

Check the integration between home page and CustomerServiceImpl by List<Product>  
SearchProductByName(String productName) method

Test Case ID	ITC-15
--------------	--------



Test Item(s)	home page →CustomerServiceImpl
Input Specification	not existed product name
Expect Output	return null
Actual Output	

## ITC-16

Check the integration CustomerServiceImpl and CustomerDAO by Product getProductByName(String productName) method

Test Case ID	ITC-16
Test Item(s)	CustomerServiceImpl →ProductDAO
Input Specification	not existed product name
Expect Output	return null
Actual Output	

### Input Data:

Product name:	a
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URS-6 User can select product he/she wants to buy normal flow



test case

## ITC-17

Check the integration between Product Detail page and CustomerServiceImpl by void AddToShoppingCart(Product product) method

Test Case ID	ITC-17
Test Item(s)	Product Detail page →CustomerServiceImpl

<b>Input Specification</b>	product which user choose
<b>Expect Output</b>	none
<b>Actual Output</b>	

## ITC-18

Check the integration CustomerServiceImpl and ShoppingCartDAO by void AddToShoppingCart(Product product) method

<b>Test Case ID</b>	ITC-18
<b>Test Item(s)</b>	CustomerServiceImpl → ShoppingCartDAO
<b>Input Specification</b>	product which user choose
<b>Expect Output</b>	None
<b>Actual Output</b>	

URS-7 User can save shipping cart normal flow



test case

## ITC-19

Check the integration between Shopping Cart page and CustomerServiceImpl by Customer SaveShoppingCart(Customer customer) method

<b>Test Case ID</b>	ITC-19
<b>Test Item(s)</b>	Shopping Cart page → CustomerServiceImpl
<b>Input Specification</b>	current customer
<b>Expect Output</b>	the customer object
<b>Actual Output</b>	

## ITC-20

Check the integration CustomerServiceImpl and ShoppingHistoryDAO by ShoppingHistory AddShoppingHistory(ShoppingCart shoppingCart) method

Test Case ID	ITC-20
Test Item(s)	CustomerServiceImpl →CustomerDAO
Input Specification	shopping cart customer chooses to save
Expect Output	shopping history object
Actual Output	

URS-9 User can view the shopping history normal flow



test case

## ITC-21

Check the integration between customer profile page and CustomerServiceImpl by Customer getCurrentCustomer() method

Test Case ID	ITC-21
Test Item(s)	customer profile page →CustomerServiceImpl
Input Specification	none
Expect Output	the customer object
Actual Output	

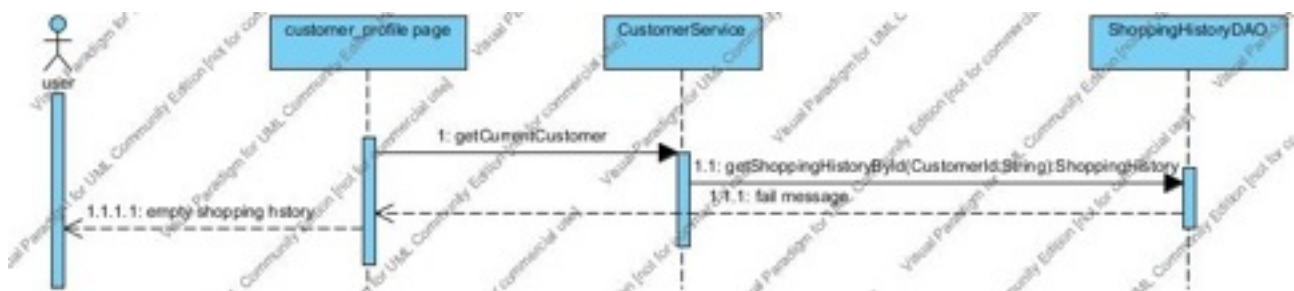
## ITC-22

Check the integration CustomerServiceImpl and ShoppingHistoryDAO by ShoppingHistory getShoppingHistoryByld(String customerId) method

Test Case ID	ITC-22
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Test Item(s)	CustomerServiceImpl → ShoppingHistoryDAO
Input Specification	customer id of current customer
Expect Output	shopping history object
Actual Output	

#### URS-9 User can view the shopping history alternative flow A



test case

#### ITC-23

Check the integration between customer profile page and CustomerServiceImpl by Customer getCurrentCustomer() method

Test Case ID	ITC-23
Test Item(s)	customer profile page → CustomerServiceImpl
Input Specification	none
Expect Output	the customer object
Actual Output	

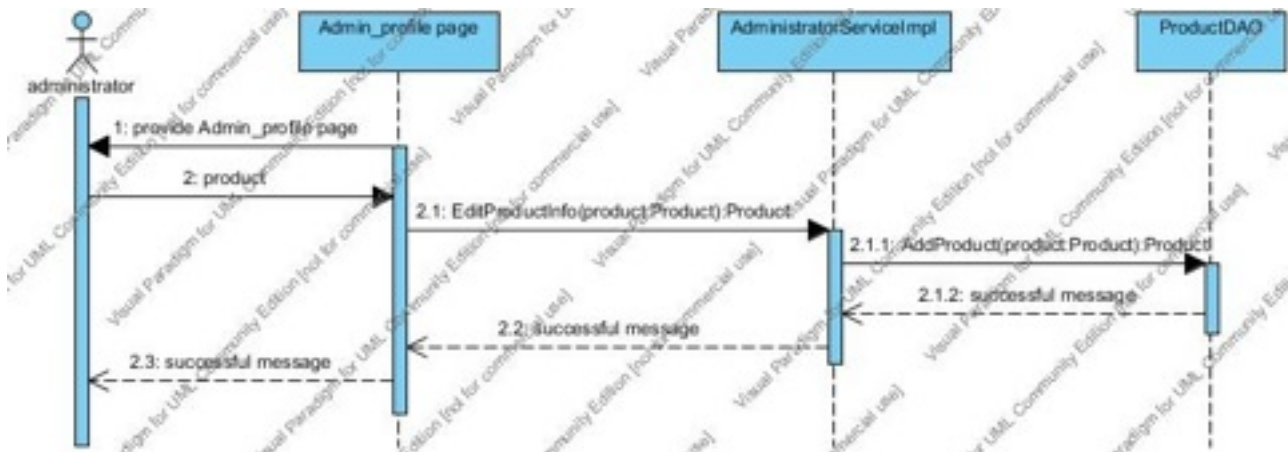
#### ITC-24

Check the integration CustomerServiceImpl and ShoppingHistoryDAO by ShoppingHistory getShoppingHistoryByld(String customerId) method

Test Case ID	ITC-24
Test Item(s)	CustomerServiceImpl → ShoppingHistoryDAO
Input Specification	customer id of current customer

Expect Output	null
Actual Output	

URS-10 Administrator can add product normal flow



test case

## ITC-25

Check the integration between Admin\_profile page and AdministratorServiceImpl by Product EditProductInfo(Product product) method

Test Case ID	ITC-25
Test Item(s)	Admin_profile page →AdministratorServiceImpl
Input Specification	valid product information
Expect Output	the product object
Actual Output	

## ITC-26

Check the integration AdministratorServiceImpl and ProductDAO by Product addProduct(Product product) method

Test Case ID	ITC-26
Test Item(s)	CustomerServiceImpl →ShoppingHistoryDAO
Input Specification	valid product
Expect Output	the product object
Actual Output	

**Input Data:**

Product ID:	123
name	Ipod
Price	\$123.4
Description	One MP3 player produced by Apple product

#### URS-11 Administrator can view all the shopping histories normal flow



test case

#### ITC-27

Check the integration between Admin\_profile page and AdministratorServiceImpl by List<ShoppingHistory> ScanShoppingHistory() method

Test Case ID	ITC-27
Test Item(s)	Admin_profile page → AdministratorServiceImpl
Input Specification	None
Expect Output	the Shopping history list
Actual Output	

#### ITC-28

Check the integration AdministratorServiceImpl and ShoppingHistoryDAO by List<ShoppingHistory> getShoppingHistories() method

Test Case ID	ITC-28
Test Item(s)	CustomerServiceImpl → ShoppingHistoryDAO
Input Specification	None
Expect Output	the Shopping history list
Actual Output	

## URS-11 Administrator can view all the shopping histories alternative flow A



test case

### ITC-29

Check the integration between Admin\_profile page and AdministratorServiceImpl by List<ShoppingHistory> ScanShoppingHistory() method

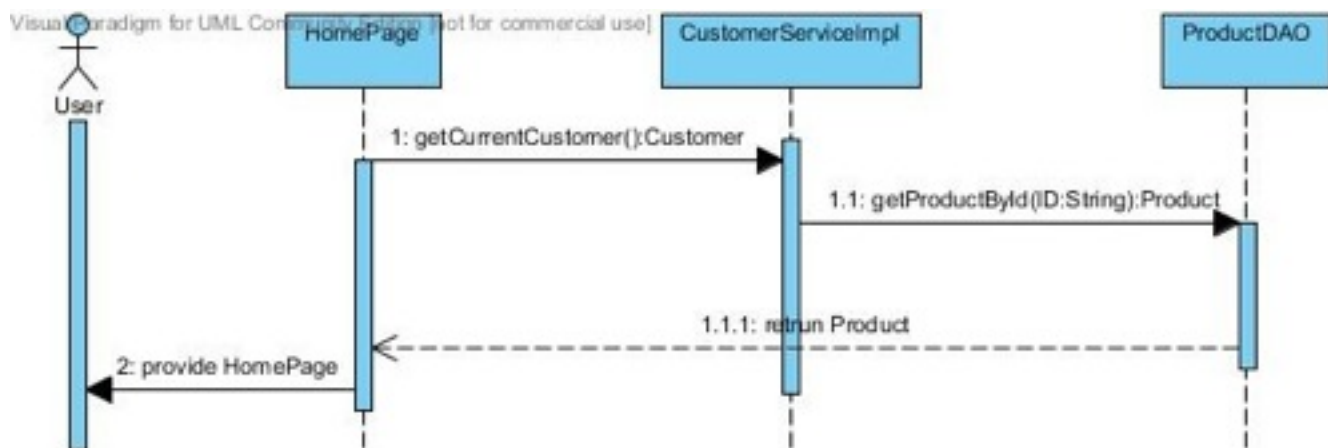
Test Case ID	ITC-29
Test Item(s)	Admin_profile page →AdministratorServiceImpl
Input Specification	None
Expect Output	Null
Actual Output	

### ITC-30

Check the integration AdministratorServiceImpl and ShoppingHistoryDAO by List<ShoppingHistory> getShoppingHistories() method

Test Case ID	ITC-30
Test Item(s)	CustomerServiceImpl →ShoppingHistoryDAO
Input Specification	None
Expect Output	Null
Actual Output	





Test Case ID	ITC-29
Test Item(s)	CustomerServiceImpl→ProductDAO
Input Specification	Product ID
Expect Output	The product
Actual Output	