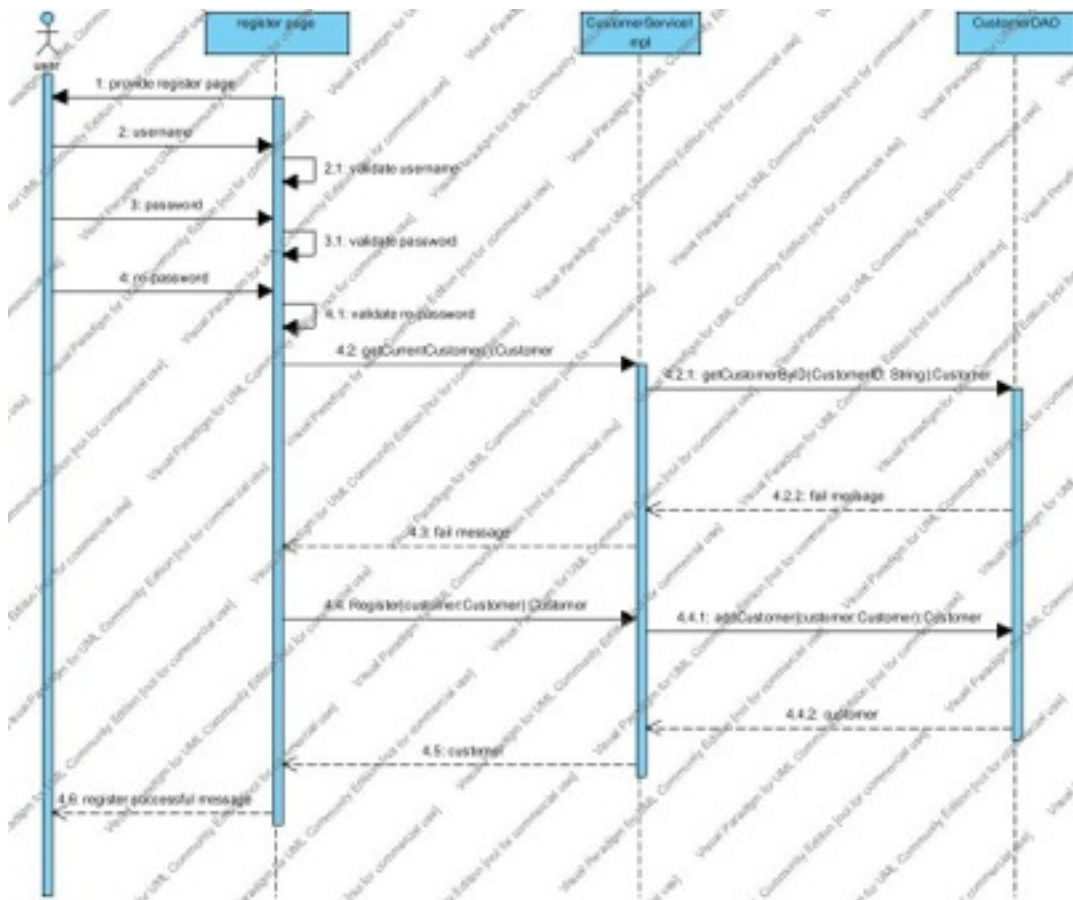


Integration test

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

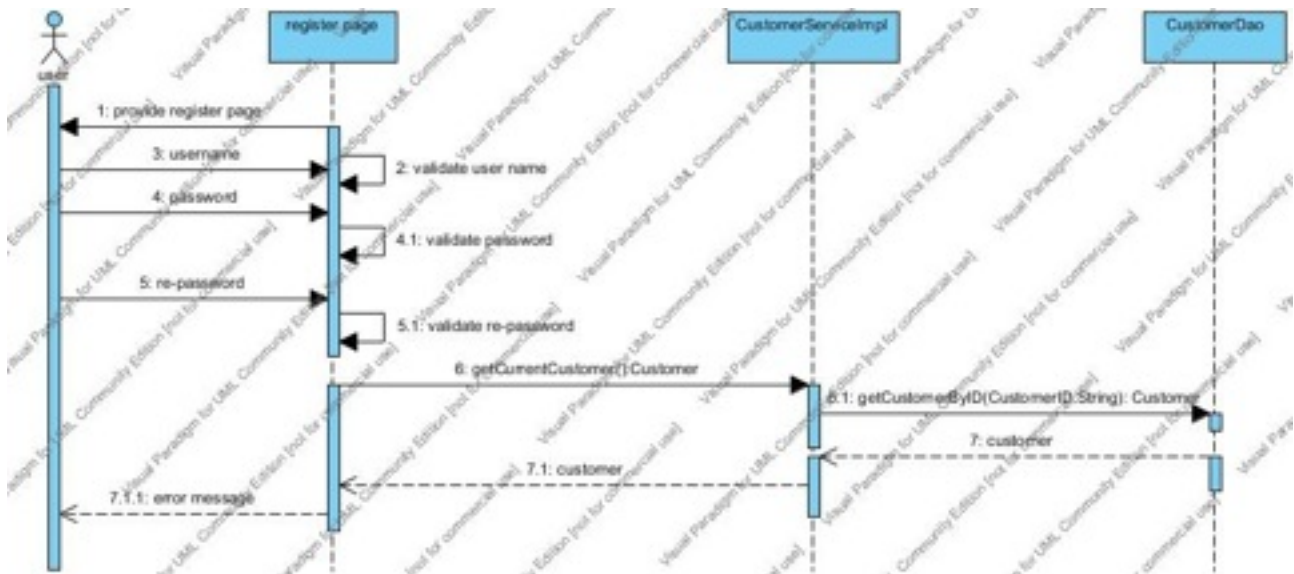
ITC-04

| | |
|---------------------|---|
| 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

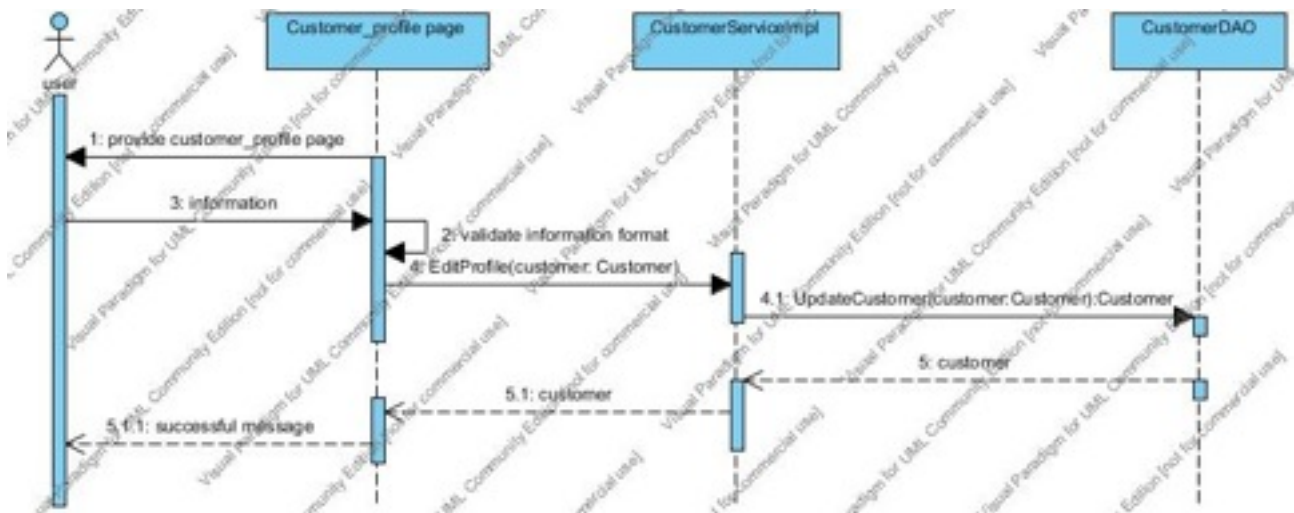
Check the integration CustomerServiceImpl and CustomerDAO by `Customer getCustomerById(String customerID)` method

| | |
|---------------------|---|
| 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:

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

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

ITC-08

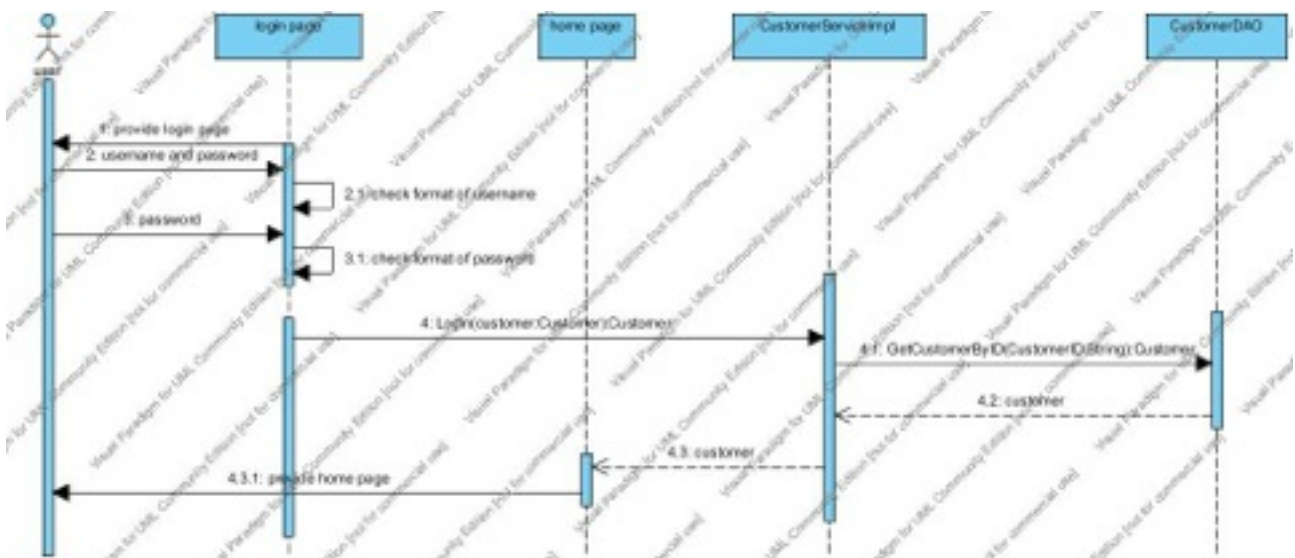
Check the integration CustomerServiceImpl and CustomerDAO by Customer getCustomerById(String customerId) method

| | |
|--------------|-----------------------------------|
| Test Case ID | ITC-08 |
| Test Item(s) | CustomerServiceImpl → CustomerDAO |

| | |
|----------------------------|---|
| Input Specification | validate customer password and username that user input |
| Expect Output | return a customer object |
| Actual Output | |

Input Data:

| | |
|------------------|---------------------|
| Password: | 542115510 |
| Address: | 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

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

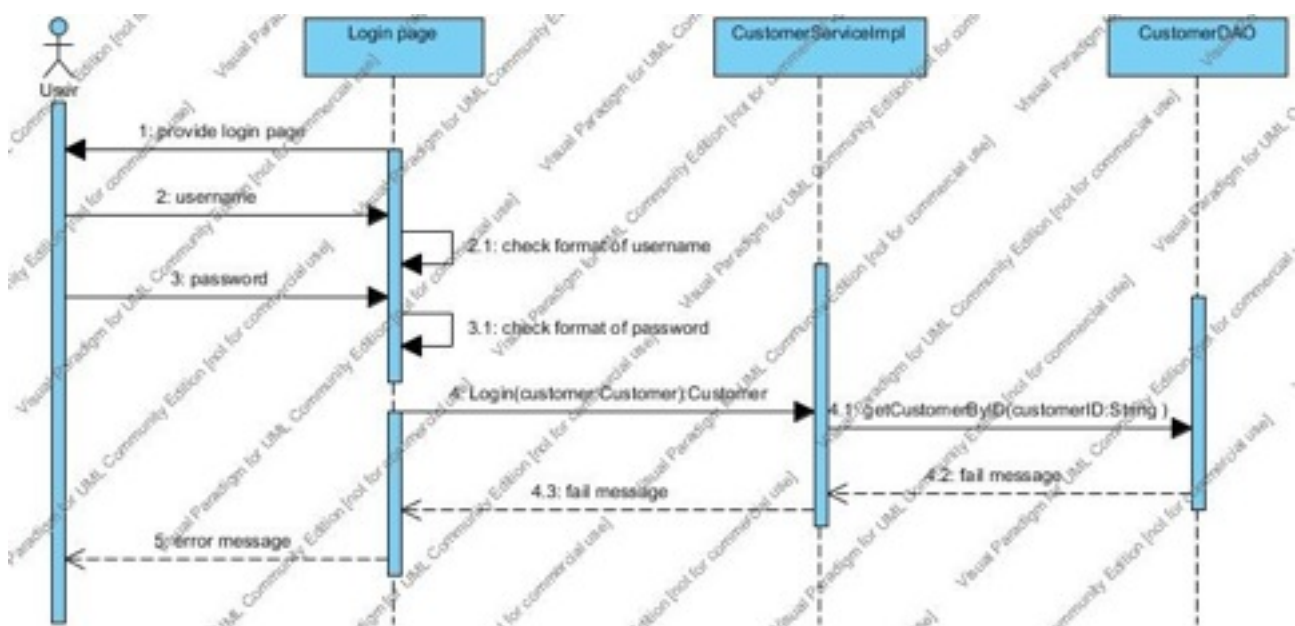
ITC-10

Check the integration CustomerServiceImpl and CustomerDAO by Customer
getCustomerByld(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: | <u>542115511@vr.camt.info</u> |
| 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 | |

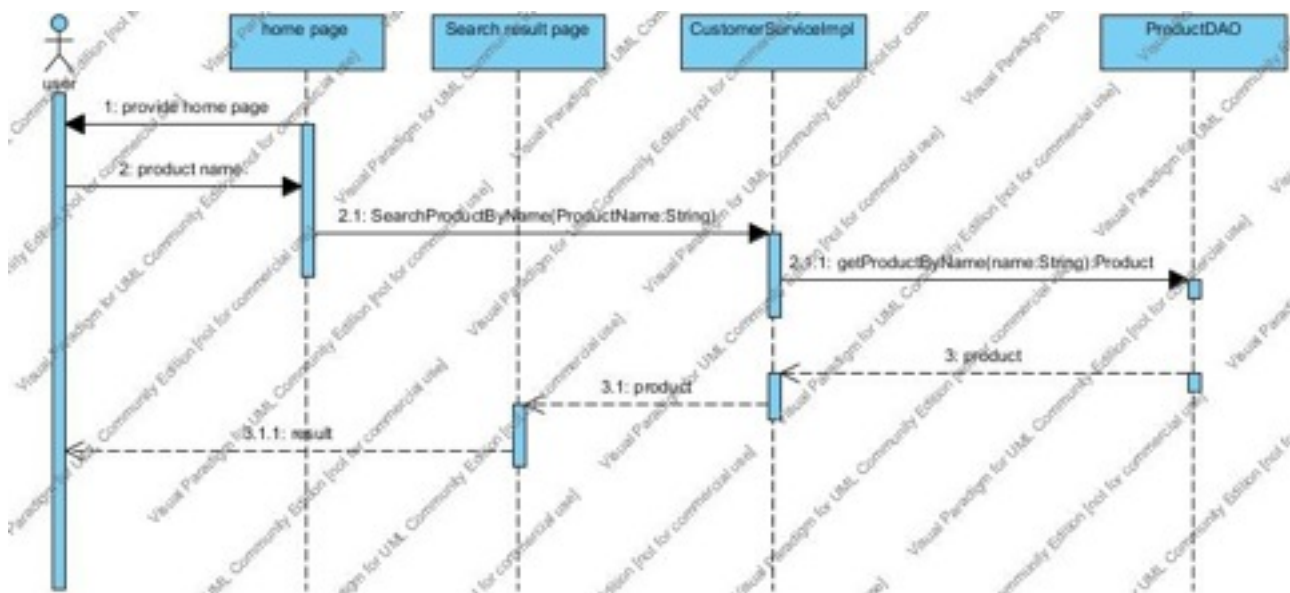
ITC-12

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: | <u>542115511@vr.camt.info</u> |
| 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 |
| Test Item(s) | home page →CustomerServiceImpl |
| Input Specification | existed product name |
| Expect Output | return product list |
| Actual Output | |

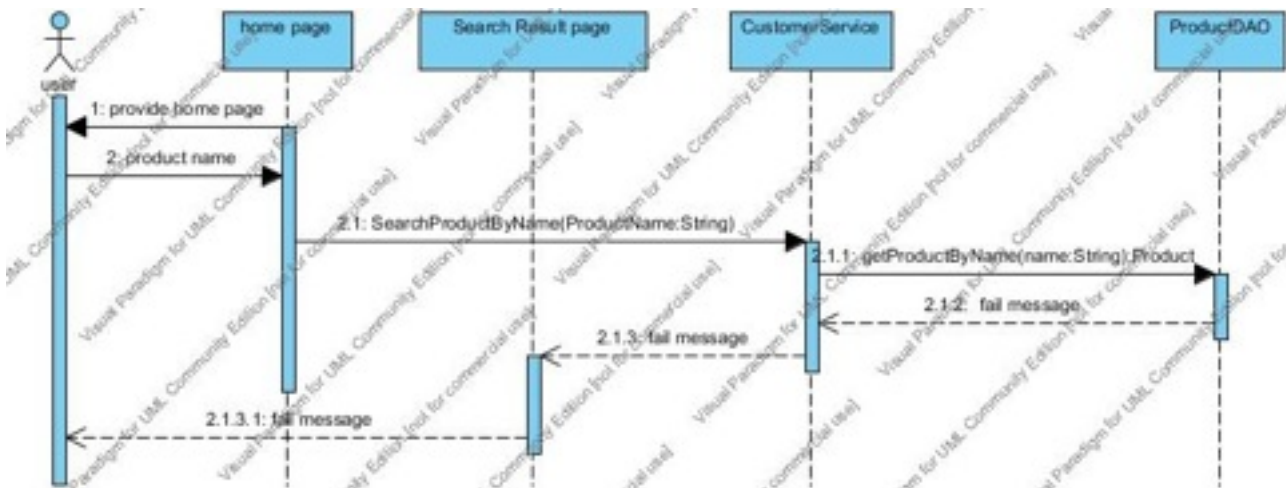
ITC-14

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 |
|---------------|-----------|



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 | |

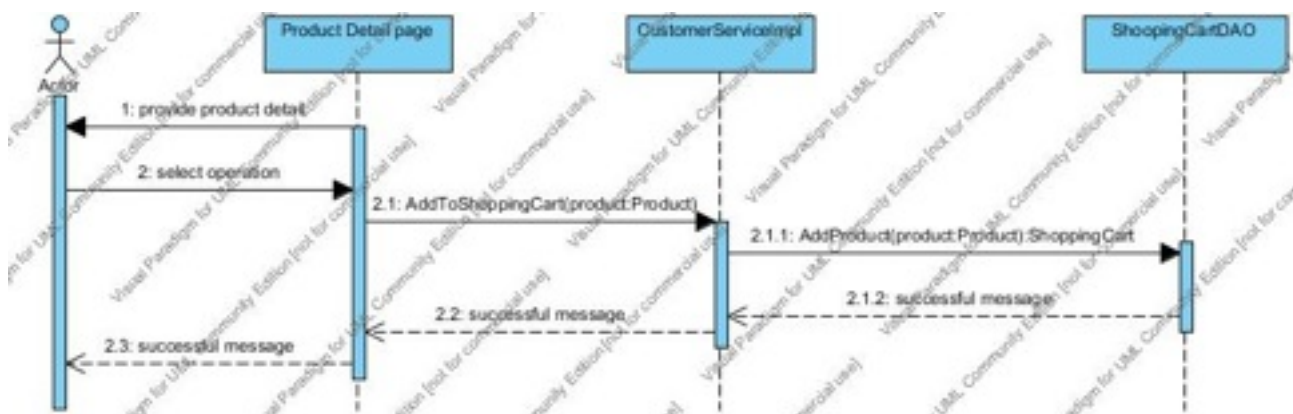
ITC-16

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 |
|---------------|---|



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 |
| Input Specification | product which user choose |
| Expect Output | none |
| Actual Output | |

ITC-18

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

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



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

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

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 | |

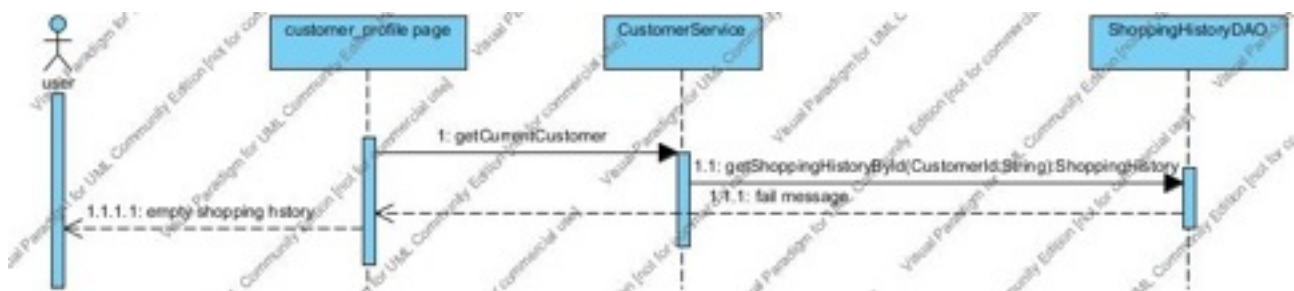
ITC-22

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

| | |
|--------------|--------|
| Test Case ID | ITC-22 |
|--------------|--------|

| | |
|---------------------|--|
| 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 | |

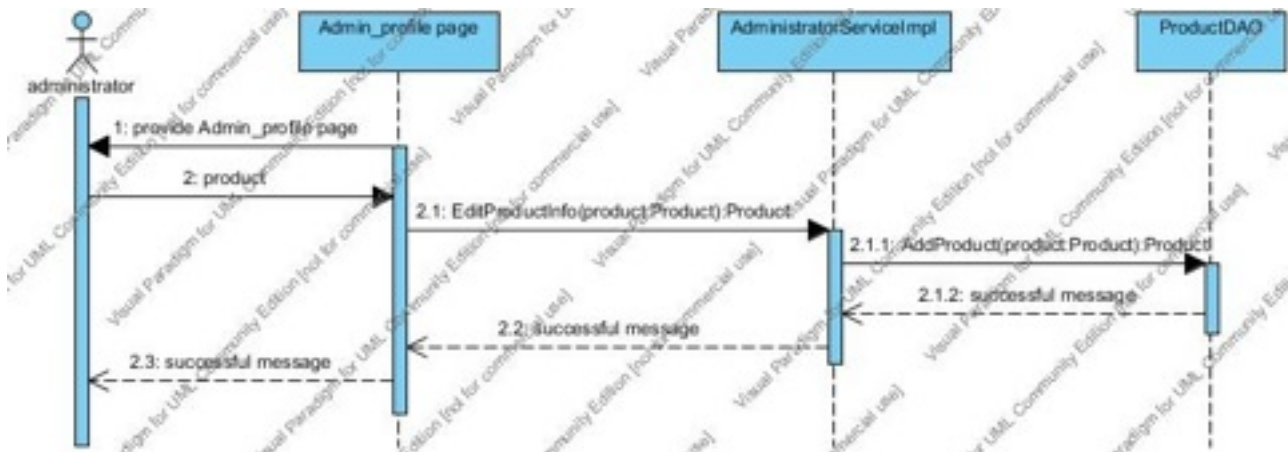
ITC-24

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

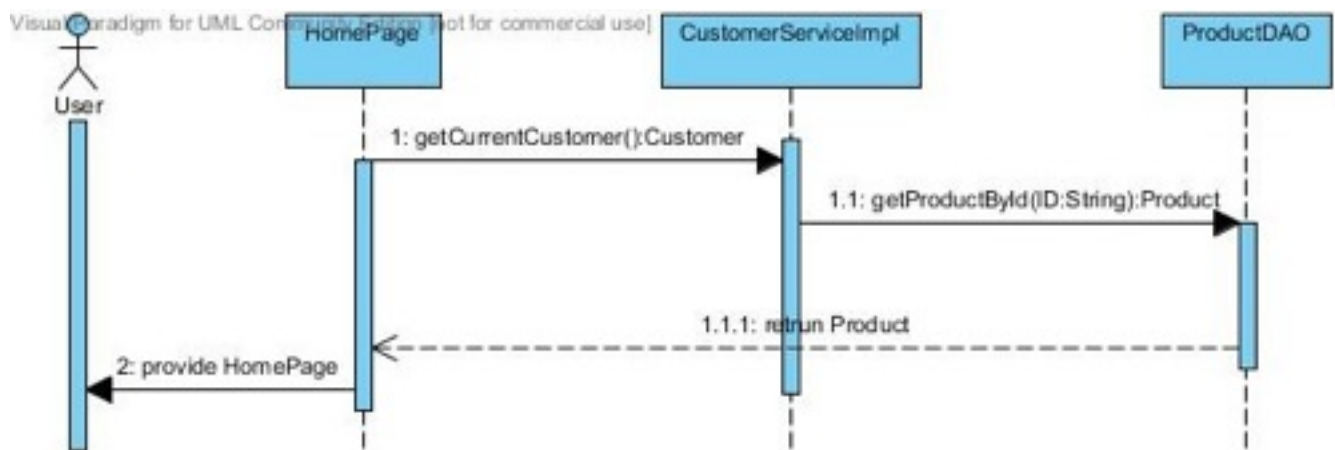
Check the integration between Admin_profile page and AdministratorServiceImpl by List<ShoppingHistory> ScanShoppingHistory() method

| | |
|---------------------|--|
| 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 | |