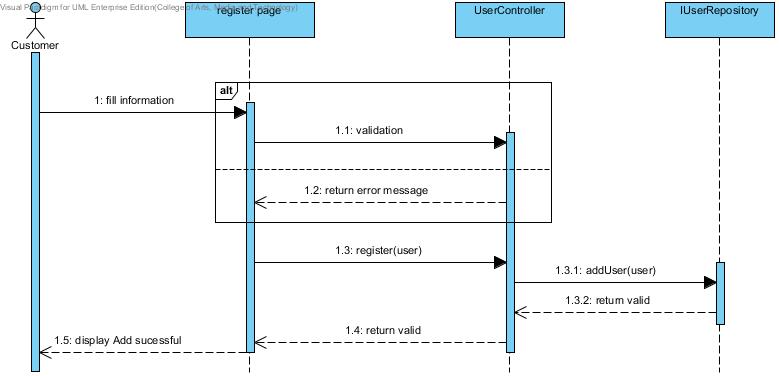
**Integration Testing**

**Integration Test Case**

**URS01** - User can register.



***SD-01: User Register***

**ITC-01**

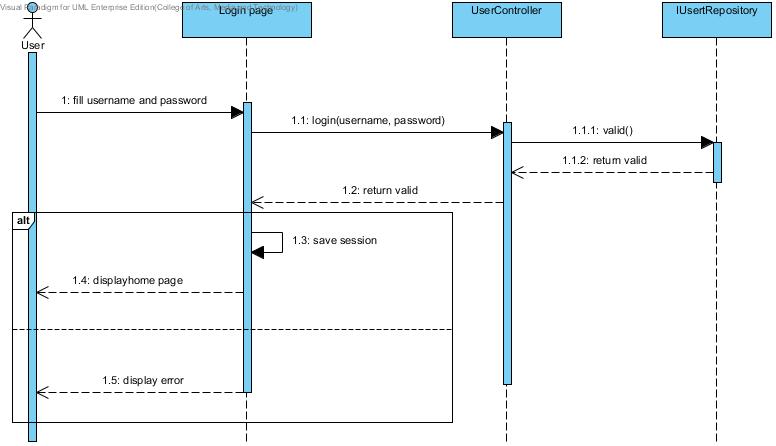
Check the integration between UserController and IUserRepository by validation() method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-01 |
| **Test Item(s)** | UserController - IUserRepository |
| **Test Description** | Validate user account from information that user input |
| **Expect Output** | Add user to the database and return massage add successful. |
| **Actual Output** |  |

**Input Data**

|  |  |
| --- | --- |
| **Username** |  |
| **Password** |  |
| **Name** |  |
| **Address** |  |
| **Telephone** |  |
| **Email** |  |
| **Picture** |  |

**URS02** - User can login to system.



***SD-02: Customer Login***

**ITC-02**

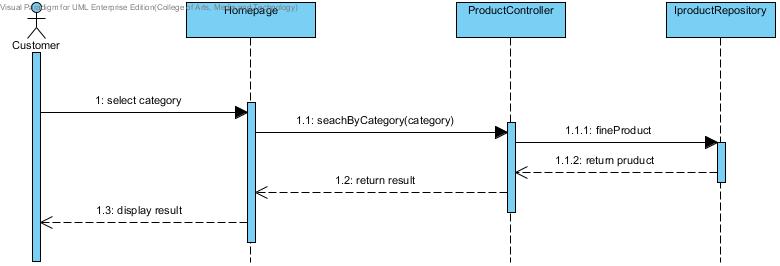
Check the integration between UserController and IUserRepository by login method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-02 |
| **Test Item(s)** | UserController - IUserRepository |
| **Test Description** | Validate user account from username and password that user input |
| **Expect Output** | Display home page. |
| **Actual Output** |  |

**Input Data**

|  |  |
| --- | --- |
| **Username:** |  |
| **Password:** |  |

**URS03** - Customer can browse product from category.



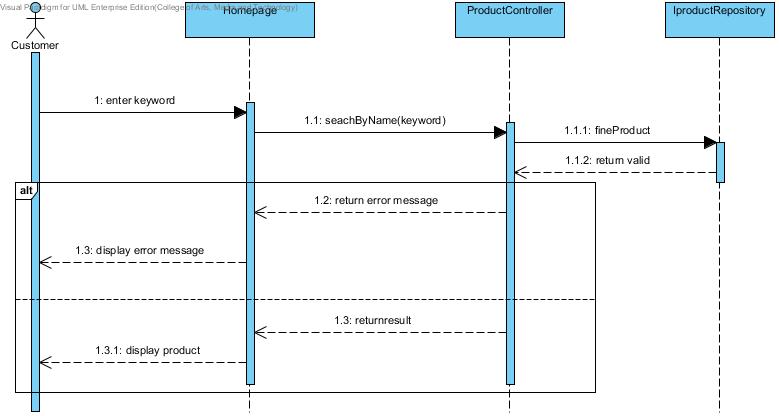
***SD-03: Administrator Login***

**ITC-03**

Check the integration between ProductController and IProductRepository by searchByCategory method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-03 |
| **Test Item(s)** | ProductController - IProductRepository |
| **Test Description** | Browse category from customer selected. |
| **Expect Output** | Display list of product in category. |
| **Actual Output** |  |

**URS04** - Customer can search product by name.



***SD-04: Administrator add details of the products.***

**ITC-04**

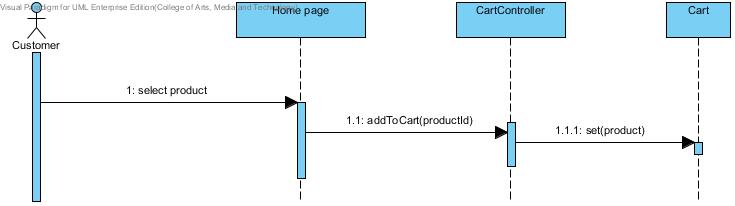
Check the integration between ProductController and IProductRepository by searchByName() method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-04 |
| **Test Item(s)** | ProductController - IProductRepository |
| **Test Description** | Search product from product name that customer input |
| **Expect Output** | Display the product. |
| **Actual Output** |  |

**Input Data**

|  |  |
| --- | --- |
| **Product Name** |  |

**URS05** – Customer can add product to shopping cart.



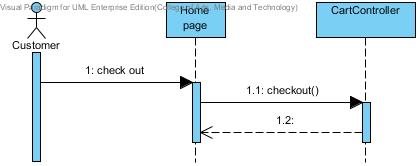
***SD-06: Search Product By Name***

**ITC-05**

Check the integration between CartController and Cart by add() method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-05 |
| **Test Item(s)** | CartController - Cart |
| **Test Description** | Customer add product to shopping cart. |
| **Expect Output** | In the shopping cart have product that customer selected. |
| **Actual Output** |  |

**URS06 -** Customer can check out.



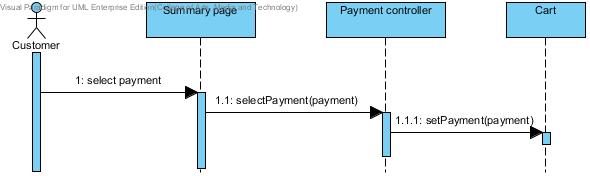
***SD-07: Add Product To Shopping Cart***

**ITC-06**

Check the integration between CartController and Cart by checkout() method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-06 |
| **Test Item(s)** | CartController - Cart |
| **Test Description** | Customer checkout all of the product in shopping cart. |
| **Expect Output** | Display summary of product. |
| **Actual Output** |  |

**URS07** - Customer can choose payment option.



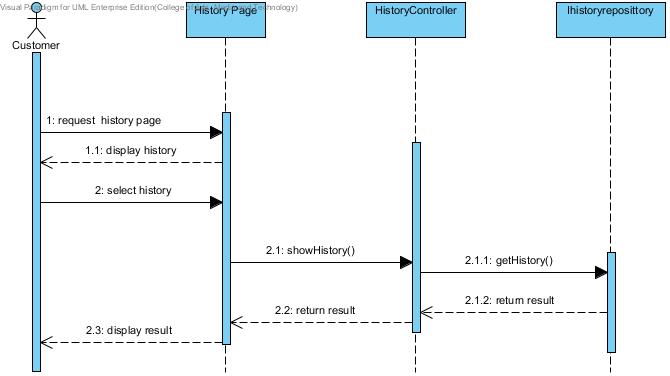
***SD-08: Select Payment Method***

**ITC-07**

Check the integration between PaymentController and Cart by addPayment() method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-19 |
| **Test Item(s)** | PaymentController - Cart |
| **Test Description** | Add payment method from user select. |
| **Expect Output** | Payment method is selected. |
| **Actual Output** |  |

**URS09** - Customer can view shopping history.



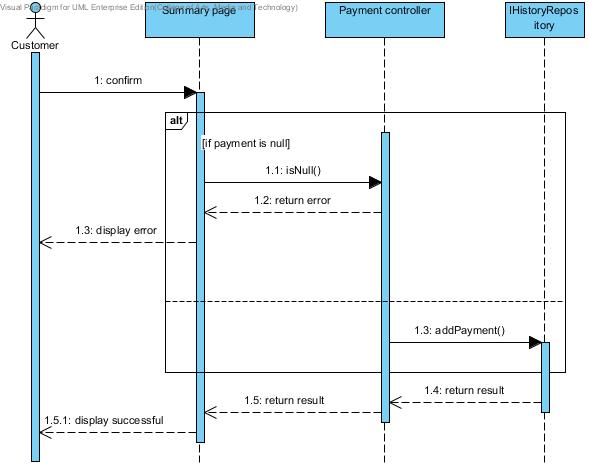
***SD-10: Check Transaction History of All Users***

**ITC-08**

Check the integration between HistoryController and IHistoryRepository by showHistory() method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-08 |
| **Test Item(s)** | HistoryController - IHistoryRepository |
| **Test Description** | View all the shopping history of customer. |
| **Expect Output** | Display shopping history. |
| **Actual Output** |  |

**URS10** - Customer can confirm product in cart buying.



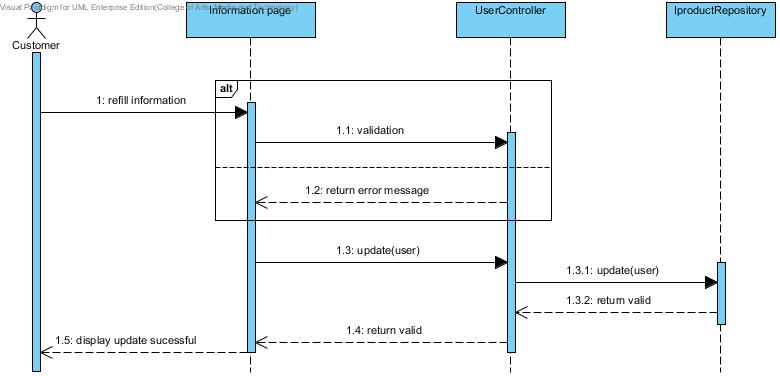
***SD-11: Save Shopping Cart***

**ITC-09**

Check the integration between PaymentController and IHistoryRepository by confirm() method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-09 |
| **Test Item(s)** | PaymentController - IHistoryRepository |
| **Test Description** | Confirm buying from customer. |
| **Expect Output** | Display buying successful. |
| **Actual Output** |  |

**URS11** - Customer can update information.



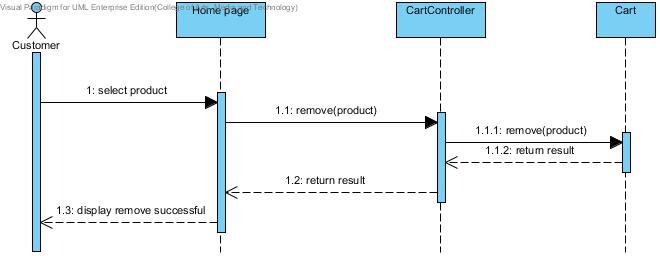
***SD-11: Save Shopping Cart***

**ITC-10**

Check the integration between UserController and IProductRepository by validation() method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-10 |
| **Test Item(s)** | UserController - IProductRepository |
| **Test Description** | Customers update their information. |
| **Expect Output** | Display update successful. |
| **Actual Output** |  |

**URS12** - Customer can remove product in shopping cart.



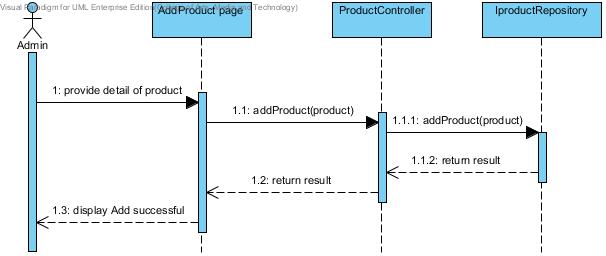
***SD-11: Save Shopping Cart***

**ITC-11**

Check the integration between CartController and Cart by remove() method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-11 |
| **Test Item(s)** | CartController - Cart |
| **Test Description** | Remove product from cart by customer. |
| **Expect Output** | Display remove successful. |
| **Actual Output** |  |

**URS13** - The administrator can provide details of the product which contain product name, product description, and picture of product.



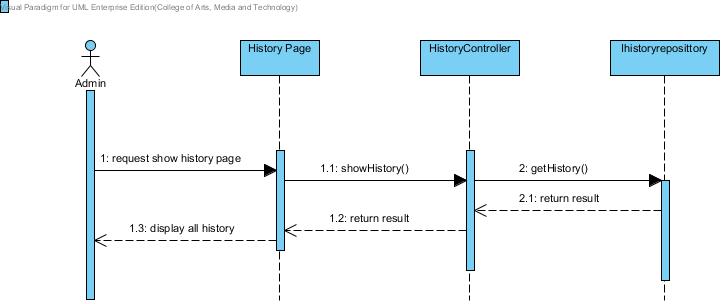
***SD-11: Save Shopping Cart***

**ITC-12**

Check the integration between ProductController and IProductRepository by addProduct() method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-12 |
| **Test Item(s)** | ProductController - IProductRepository |
| **Test Description** | Admin provide detail of product. |
| **Expect Output** | Display add successful. |
| **Actual Output** |  |

**URS14** - The administrator can view shopping history of all customer.



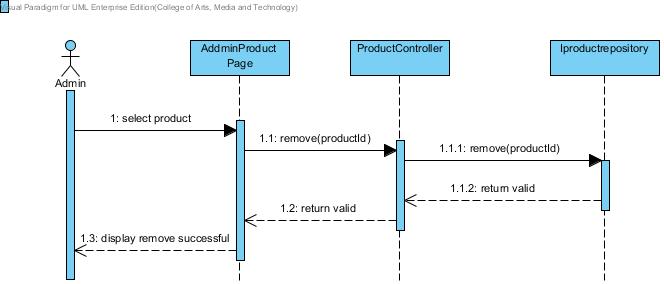
***SD-11: Save Shopping Cart***

**ITC-13**

Check the integration between HistoryController and IHistoryRepository by showHistory() method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-13 |
| **Test Item(s)** | HistoryController - IHistoryRepository |
| **Test Description** | Admin can view history of all customer. |
| **Expect Output** | Display all history. |
| **Actual Output** |  |

**URS15** - The administrator can delete product.



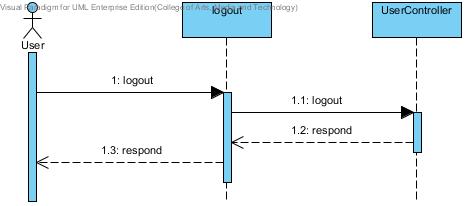
***SD-11: Save Shopping Cart***

**ITC-14**

Check the integration between ProductController and IProductRepository by remove() method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-14 |
| **Test Item(s)** | ProductController – IproductRepository. |
| **Test Description** | Remove product by admin. |
| **Expect Output** | Display remove success. |
| **Actual Output** |  |

**URS16** - The user can log out.



***SD-11: Save Shopping Cart***

**ITC-15**

Check the integration between UserController and User by logout() method

|  |  |
| --- | --- |
| **Test Case ID** | ITC-15 |
| **Test Item(s)** | UserController - User |
| **Test Description** | System logout. |
| **Expect Output** | Logout from the system. |
| **Actual Output** |  |