**Unit Test Case 1(UTC-01):**

AddToCart(Cart cart,Int productId):ActionResult

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | **Expected Result** |
| **Product object** | | | **product object** |
| **Product Name** | **Description** | **Quantity** | **ID** |
| 1 | Test Add product to cart | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | 2 | 1 |
| 2 | Test Add product to cart | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | 1 | 2 |

**Unit Test Case 2(UTC-02):**

RemoveFromCart(Cart cart,Int productId):ActionResult

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected Result** |
| **Product object** |
| **Product Name** |
| 1 | Test remove product in cart from database | “Red wing 8111” | true |
| 2 | Test remove product in cart from database | “Red wing 875” | true |

**Unit Test Case 3(UTC-03):**

Summary(Cart cart):

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | **Expected Result** | | |
| **Product object** | | | **Product object** | | |
| **Product Name** | **Description** | **Image** | **Product Name** | **Description** | **Image** |
| 1 | Test display summary of cart | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” |
| 2 | Test display summary of cart | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image |

**Unit Test Case 4(UTC-04):**

Checkout(ShoppingCart shoppingcart)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | **Expected Result** | | |
| **Product object** | | | **Product object** | | |
| **Product Name** | **Description** | **Image** | **Product Name** | **Description** | **Image** |
| 1 | Test check out fuction | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” |
| 2 | Test check out fuction | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image |

**Unit Test Case 5(UTC-05):**

getLastShopppingCart()

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | **Expected Result** | | | |
| **Shopping cart object** | | | | **Paymoney object** | | | |
| **Product Name** | **Description** | **Image** | **Price** | **Product Name** | **Description** | **Image** | **Price** |
| 1 | Test get Last Shoppping Cart | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 |
| 2 | Test get Last Shoppping Cart | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 150 | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 150 |

**Unit Test Case 6(UTC-06):**

Paymoney(ShoppingCart shoppingcart, Int paymentId)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | | | |
| **Shopping cart object** | | | | | | | |
| **Product Name** | **Description** | **Image** | **Price** | **User name** | **Sure name** | **Address** | **email** |
| 1 | Test get LastShopppingCart | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 | “Michael” | “Jackson” | “Chiang Mai, Thailand, 50200” | example@example.com |
| 2 | Test get LastShopppingCart | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 150 | “Joe | “Lower” | “Chiang Mai, Thailand, 50200” | example@example.com |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Output** | | | | | | | |
| **Shopping cart object** | | | | | | | |
| **Product Name** | **Description** | **Image** | **Price** | **User name** | **Sure name** | **Address** | **email** |
| “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 | “Michael” | “Jackson” | “Chiang Mai, Thailand, 50200” | example@example.com |
| “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 150 | “Joe | “Lower” | “Chiang Mai, Thailand, 50200” | example@example.com |

**Unit Test Case 7(UTC-07):**

ViewShoppingHistory()

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | **Expected Result** | | | |
| **Shopping cart object** | | | | **Shopping cart object** | | | |
| **Product Name** | **Description** | **Image** | **Price** | **Product Name** | **Description** | **Image** | **Price** |
| 1 | Test get LastShopppingCart | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 |
| 2 | Test get LastShopppingCart | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 150 | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 150 |

**Unit Test Case 8(UTC-08):**

SaveShoppingCart()

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | **Expected Result** | | | |
| **Shopping cart object** | | | | **Paymoney object** | | | |
| **Product Name** | **Description** | **Image** | **Price** | **Product Name** | **Description** | **Image** | **Price** |
| 1 | Test save product in cart to data base | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 |
| 2 | Test save product in cart to data base | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 150 | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 150 |

**Unit Test Case 9(UTC-09):**

AddItem(Product product, Int quantity):void

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | **Expected Result** |
| **Product object** | | | | | **product object** |
| **Product Name** | **Description** | **Image** | **Price** | **Category** | **ID** |
| 1 | Test Add product to data base | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 | Shoe | 1 |
| 2 | Test Add product to data base | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 200 | Shoe | 2 |

**Unit Test Case 10(UTC-10):**

Clear():void

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | **Expected Result** |
| **Product object** | | | | **product object** |
| **Product Name** | **Description** | **Image** | **Price** | **ID** |
| 1 | Test Add product to data base | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 | null |
| 2 | Test Add product to data base | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 200 | null |

**Unit Test Case 11(UTC-11):**

CompareTotalValue():Decimal

**Unit Test Case 12(UTC-12):**

RemoveLine(Product product):void

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | **Expected Result** |
| **Product object** | | **product object** |
| **Product Name** | **Description** | **ID** |
| 1 | Test Remove product | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | null |
| 2 | Test Remove valid product | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | null |

**Unit Test Case 13(UTC-13):**

Create():ViewResult

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | **Expected Result** |
| **product object** | | | | | **product object** |
| **Product Name** | **Description** | **Image** | **Price** | **Category** | **id** |
| 1 | Test add valid product | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 | Shoe | 1 |
| 2 | Test add valid product | “Red wing 875” | “Red Wing 875 6 inch Moc Toe Leather: Oro Legacy” | “File Image” | 200 | Shoe | 2 |
| 3 | Test add valid product when title is duplicate | “Red wing 875” | “Red Wing 875 6 inch Moc Toe Leather: Oro Legacy” | “File Image**”** | 200 | Shoe | null |
| 4 | Test add no data | null | | | | | null |

**Unit Test Case 14(UTC-14):**

Delete(Int productId)

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected Result** |
| **Product object** |
| **Product Name** |
| 1 | Test delete product from database | “Red wing 8111” | true |
| 2 | Test delete product from database | “Red wing 875” | true |

**Unit Test Case 15(UTC-15):**

Edit(Int productId)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | **Expected Result** | | | | |
| **Product object** | | | | | **Product object** | | | | |
| **Product Name** | **Description** | **Image** | **Price** | **Category** | **Product Name** | **Description** | **Image** | **Price** | **Category** |
| 1 | Test edit product | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 | Shoe | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 | Shoe |
| 2 | Test edit product | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 200 | Shoe | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 200 | Shoe |

**Unit Test Case 16(UTC-16):**

SearchByName(String productName)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **case** | **Description** | **Input** | **Expected Result** | | | |
| **Product object** | | | |
| **Product Name** | **Description** | **Price** | **Category** |
| 1 | Test find product by input product name | “Red wing 875” | “Red wing 875” | “Red wing 875 MOC TOE Boot Shoe” | 100 | Shoe |
| 2 | Test find product by input product name | “Red wing 8111” | “Red wing 111” | “Red wing 8111 Moc Toe Leather: Oro Legacy” | 200 | Shoe |
| 3 | Test find product by input product name which is not in database | “Crocs” | null | | | |

**Unit Test Case 17(UTC-17):**

MenuCatagory(String category)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **case** | **Description** | **Input** | **Expected Result** | | | |
| **Product object** | | | |
| **Product Name** | **Description** | **Price** | **Category** |
| 1 | Test find product by input product name | “Red wing 875” | “Red wing 875” | “Red wing 875 MOC TOE Boot Shoe” | 100 | Shoe |
| 2 | Test find product by input product name | “Red wing 8111” | “Red wing 111” | “Red wing 8111 Moc Toe Leather: Oro Legacy” | 200 | Shoe |
| 3 | Test find product by input product name which is not in database | “Crocs” | null | | | |

**Unit Test Case 18(UTC-18):**

ProductList()

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | | **Expected Result** | | | | |
| **Product object** | | | | | **Product object** | | | | |
| **Product Name** | **Description** | **Image** | **Price** | **Category** | **Product Name** | **Description** | **Image** | **Price** | **Category** |
| 1 | Test display product list | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 | Shoe | “Red wing 8111” | “Red wing 8111 MOC TOE Boot Shoe” | “File image” | 100 | Shoe |
| 2 | Test display product list | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 200 | Shoe | “Red wing 875” | “Red Wing 875 6 inch Moc Toe  Leather: Oro Legacy” | “File Image | 200 | Shoe |

**Unit Test Case 19(UTC-19):**

Index()

**Unit Test Case 20(UTC-20):**

Register()

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | **Expected Result** | | | |
| **Customer object** | | | | **Customer object** | | | |
| **Name** | **Surname** | **Address** | **Email** | **Name** | **Surname** | **Address** | **Email** |
| 1 | Test register new customer | “Michael” | “Jackson” | “Chiang Mai, Thailand, 50200” | “example  @example  .com” | “Michael” | “Jackson” | “Chiang Mai, Thailand, 50200” | “example  @example  .com” |
| 2 | Test register null data | Null | | | | Null | | | |

**Unit Test Case 21(UTC-21):**

Login(String username, String password):Boolean

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | **Expected Result** |
| **User Name** | **Pass word** |
| 1 | Test login to system by user of admin | “Amin” | “admin” | True |
| 2 | Test login to system by user of doesn’t exited | “User” | “Pass” | False |

**Unit Test Case 22(UTC-22):**

LogOut()

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Description** | **Input** | **Expected Result** |
| **News Resource Name** | **News Resource Name** |
| 1 | Test log out of system | “Joe” | “Joe” |

**Unit Test Case 23(UTC-23):**

EditProfile(Account account)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Input** | | | | **Expected Result** | | | |
| **Customer object** | | | | **Customer object** | | | |
| **Name** | **Surname** | **Address** | **Email** | **Name** | **Surname** | **Address** | **Email** |
| 1 | Test edit profile | “Michael” | “Jackson” | “Chiang Mai, Thailand, 50200” | “example  @example  .com” | “Michael” | “Jackson” | “Chiang Mai, Thailand, 50200” | “example  @example  .com” |
| 2 | Test edit profile with null data | Null | | | | Null | | | |

**Unit Test Case 24(UTC-24)**

**Unit Test Case 25(UTC-25):**

**Unit Test Case 26(UTC-26):**

**Unit Test Case 27(UTC-27):**

**Unit Test Case 28(UTC-28):**

**Unit Test Case 29(UTC-29):**

**Unit Test Case 30(UTC-30):**

**Unit Test Case 31(UTC-31):**

**Unit Test Case 32(UTC-32):**

**Unit Test Case 33(UTC-33):**

**Unit Test Case 34(UTC-34):**

**Unit Test Case 35(UTC-35):**

**Unit Test Case 36(UTC-36):**

**Unit Test Case 37(UTC-37):**

**Unit Test Case 38(UTC-38):**

**Unit Test Case 39(UTC-39):**

**Unit Test Case 40(UTC-40):**