 **Air University**

(Multan Campus)

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| Department of Computer Sciences |
| Software Engineering |
| UML 2.0 Lab Practice |
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| **BSCS-F-15-A-35**  Submitted To: Sir. Ahmad Mohsin  Date: 20 October, 2017 |

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**Question - 1:**

1. **Online Shopping:**

**Actors:**

**Primary Actor:** Customer.

**Scecondary Actor:** Web Administrator.

**Use-Cases:**

**Use-case Title:** Online shopping.

**Primary Actor:** Customers.

**Pre-condition:**

* Customer must have electricity and internet connection.
* Website must be programmed to provide shopping items and their details for shopping.
* The items must be available on the website.
* The Customer details must be available to the website.

**Trigger:**

Using online shopping website.

**Scenario:**

* Customer logs onto the website.
* Customer enters his/her Customer name.
* Customer enters his/her password.
* Website authenticates the Customer name and password.
* System allows the Customer to proceed to the main web-page.
* Customer clicks on the “search box” and types the required item.
* Customer clicks on the “search” button.
* System displays the list of the available searched item.
* Customer browsers the list.
* Customer clicks on “View details” on the required item.
* System displays the details of the selected item.
* Customer clicks on the “Add to the Cart”.
* System adds the item to the cart.
* Customer clicks on the “Cart” icon to view the shopping cart list.
* Customer clicks on the items in the “Shopping Cart” to update the cart.
* System displays the final list.
* Customer clicks on the “Order” to order the items in the “Shopping Cart”.
* System displays the “Order status”.
* Customer checks out by clicking “Ok” button.
* System display the main web page.

**Exceptions:**

* Loss of internet connections or electricity.
* Web services are down

**Frequency of Use:**

Can be used 24/7.

**Channel to the Actors:**

Website.

**Secondary Actors:**

Web-administrator and Courier service.

**Channel to the Secondary Actors:**

Website.

1. **Online Shopping:**

**Use Case of Log-in:**

**Use case Title:**

Login to the website.

**Primary Actor:**

Customer.

**Pre-condition:**

* User must have electricity and internet connection.
* Website must be programmed to provide shopping items and their details for shopping.

**Trigger:**

To use online shopping website.

**Scenario:**

* User logs onto the website.
* User enters his/her username.
* User enters his/her password.
* Website authenticates the username and password.
* Website displays the error message
* System allows the user to proceed to the main web-page.

**Exceptions:**

* Loss of internet connections or electricity.
* Web services are down

**Frequency of Use:**

Can be used 24/7.

**Channel to the Actors:**

Website.

**Secondary Actors:**

Web-administrator and Courier service.

**Channel to the Secondary Actors:**

Website.