**Haseeb Azam Sheikh(131374)**

**Software Engineering**

“Descriptive use case for online shopping cart”

**(A)Objective:**

This diagram show the online shopping cart system. The customer first browse items if the items not found then customer search for items and then decide what to order then customer will add order to his/her shopping cart then administrator request to customer to view cart then administrator add order to cart and then add this item for purchase.

**Actors:**

Customer, Administrator

**Precondition:**

* Customer must have the skills to browse the items.
* Customer must have the debit card for online shopping.
* Customer should verify the item or product which he/she is ordering.
* Customer should give the correct information for ordering the product.
* Customer should feel free for using online shopping.

**Post condition:**

* Administrator should verify customer for order the items.
* Purchased items should send to given address.
* Administrator should update the details of credit card.
* Website should be very responsive.
* Administrator should maintain the quality of items according to requirements of customer.

**Extend:**

Customer search items but not found

The searched item is out of range of customer

**Exception:**

Customer search item but don’t purchase.

Customer order the item but credit card is expired.

**Main Flow:**

The customer first browse items if the items not found then customer search for items and then decide what to order then customer will add order to his/her shopping cart then administrator request to customer to view cart then administrator add order to cart and then add allow customer for that item to purchase.

**(B)** “Descriptive use case for Log in System”

**Objective:**

First user will approaches to system then if user enter wrong name and key for three times then user cannot access to system. Then system ask for new name and key then system will validate the user name and key. After validates the name and key then user can access to system.

**Actors:**

User, system

**Precondition:**

* User will ask the system for access.
* Then system ask user for name and key to aces in system.
* System validates the name and key that user enter.
* After validation the system allow user to access the system.

**Post condition:**

* System will check the name and key.
* System should ask user for validate and access the user to system.

**Extend:**

* User enter wrong key and name.
* User ask user for validate name and key.
* User enter wrong key and name many times.

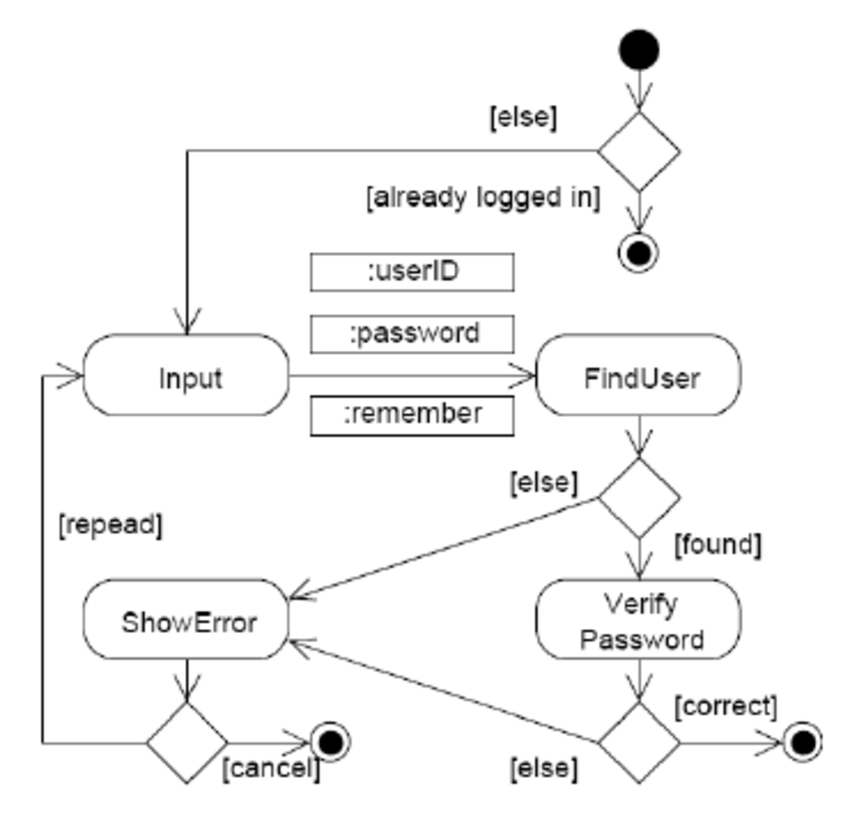
**Exception:**

* User enter correct name and key but not validate to system.
* User enter name and key but not access to system.

**Main Flow:**

User access to system and enter wrong key and name for more than three times then user ask system for validate and then system validate correct name and key then allow access to user.

**(C)UML ACTIVITY DIAGRAM**

****