#### **Ecommerce Class Diagram** application.HomePage by: Tenzin Dorjee, Hala Mesallam application.CartController + scannerIn : Scanner + storedPrice : Integer allItemsList: ItemsList + orderProducts : ArrayList<String> + checkIfBuy: boolean goHomePage: Scene - itemNo : int - name : String - price : String - category : String + purchaseclick(ActionEvent event) - size : Strina + cartLoad(ActionEvent event) color : Strina + goHome(ActionEvent event) - datePosted : String + passScene : void - UserHomePageChoice: String + HomeOption : void application.Main model.ltemList main() + scannerIn : Scanner + productList : ArrayList<String> +productListBuy: ArrayList<String> + Itemlist:singleton + HomeOption : String +Itemlist(): +getItemsList():Item model.ltem +setItemsList():void +setAddItem():void + scannerIn : Scanner +getItems():ArrayList<String> + itemNo:SimpleIntegerProperty +displayItem():void + name:SimpleStringProperty +buyltem():void +price:SimpleStringProperty +shoppingcartItems():void + category:SimpleStringProperty +getshoppingCartItems:ArrayList<String> +shoppingCartItemsPrice():double +size:SimpleStringProperty + color:SimpleStringProperty +datePosted:SimpleStringProperty application.applicationtester +setItemNo():void +getitemNo:int +primaryStage:Stage +getName():String +setName():void +aetPrice():Strina +setPrice():void +getCategory():String +setupView():void +setCategory():void +getColor():string +start():void +setColor():void +getDataPosted():String +main() +setDataPosted():void +qetSize():string +setSize():void

+toString():string

## application.BuyController

- allItemsList: ItemsList
- goHomePage: Scene
- loadThis(ActionEvent event)
- buyThis(ActionEvent event)
- clickHome(ActionEvent event)
- passPage(Scene homeScene)

### model.UserProfile

- +username:string
- + scannerIn : Scanner
- +email:string
- +Firstname:string
- +Lastname:string
- +applicationtester:applicationtester
- +getUsername():string
- +setUsername():void
- +getEmail():string
- +setEmail():string
- +getFirstName():string
- +setFirstName():void
- +getLastNmae():string
- +setLastName():void
- +linkWithApplication():void

# application.EndController

clickexit(ActionEvent event)

### application.SellItemController

- Itemlist1: ItemsList
- goHomePage: Scene

application.HomepageController

buyingPage: AnchorPane

shoppingCartPage: Scene

clickSell(ActionEvent event)

clickBuy(ActionEvent event)

clickCart(ActionEvent event)

clickproductpage(ActionEvent event)

application.LoginController

applicationtester: applicationtester

clickloginb(ActionEvent event)

linkWithApplication(): void

sellingPage: Scene

productPage: Scene

buyPage: scene

- saveitems(ActionEvent event)
- clearitem(ActionEvent event)
- clickhomepage(ActionEvent event)
- clickproductpage(ActionEvent event)

### application.ProductController

- allItemsListHome: ItemsList
- Homepage\_parent : AnchorPane
- allItemsList: ItemsList
- goHomePage: Scene
- AddItems(ActionEvent event)
- clickhomepage(ActionEvent event)
- loaddata(ActionEvent event)
- passPage(Scene homeScene)