Milestone 2: UML Diagram
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Product

-prodName : String
-prodId : String
-prodPrice : double

+Product()
+Product(String, String, Double)
+getProdName() : String
+getProdId() : String
+getProdPrice() : double
+equals(Product) : boolean
+equals(String, String, double) : boolean

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Inventory

-prodInfo : HashMap<Product, Integer>

+Inventory()
+getProd(String): Product
+getStockAmount(String) : int
+addStockAmount(Product, int) : void
+addStockAmount(String, int) : void
+removeStockAmount(String, int) : void
+getInventory() : void

ShoppingCart

-shopCart : HashMap<Product, Integer>

+ShoppingCart()
+emptyCart() : void
+getProducts() : Product
+getProduct() : Arraylist<Product>
+getQuantity() : int
+getQuantityOfProduct(Product) : int
+addToCart(Product, int) : void
+removeFromCart(Product, int) : void
+viewCart() : String
+checkOut() : String

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StoreManager

-inv : Inventory
-allCarts : HashMap<ShoppingCart, Integer>
-cartIdCounter : int

+StoreManager()
+getInv() : Inventory
+stockLookUp(String) : int
+generateCartId(ShoppingCart) : void
+cartCreation() : void
+getCartId(ShoppingCart) : int
+getCart() : ShoppingCart
+getCart(int) : ShoppingCart
+addItemToCart(int, String, int) : void
+removeCartItem(int, String, int) : void
+getAllCarts() : HashMap<ShoppingCart, Integer>

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StoreView

-storeManger : StoreManager
-cartItems : JTextArea
-JPanel: bodyPanel1
-JPanel: bodyPanel2
-JPanel: bodyPanel3
-JPanel: bodyPanel4
-JPanel: bodyPanel5
-JLabel: jLabel1
-JLabel: jLabel2
-JLabel: jLabel3
-JLabel: jLabel4
-JLabel: jLabel5
-JFrame : frame
-JFrame : checkOutFrame

+StoreView(
+main(String[]) : void
-displayGUI(): void
-addImage(JPanel, String): void
-itemDescription(JPanel, JLabel, String): void
-updateDescription(JLabel, String): void
-dropDownMenu(JPanel, String): void
-callToUpdateDescription(JPanel, String): void
-updateCart(): void
-checkout() : void