

## Preliminary Class Diagram

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User
- first_Name: String - last_Name: String - e_mail: String - pin_Number: Int
+ User(String e_mail, int pin_Number) + getFirstName(): String + getLastNam(): String + setFirstName ()

Item
- item_ID: Int - item_Des: String - item_Catagory: String - item_Price: double
+ Item (int item_ID, String item_Des) + getItemID(): int + setItemID()

ShoppingItem
- item: Item - itemQty: int
+ getItemTotalPrice (): double

ShoppingList
- list : ArrayList<ShoppingItem> - file: File
+ addItem()

Catagory
- catagory_ID: int - catagory_Des: String
+ Catagory (int catagory_ID, String catagory_Des)