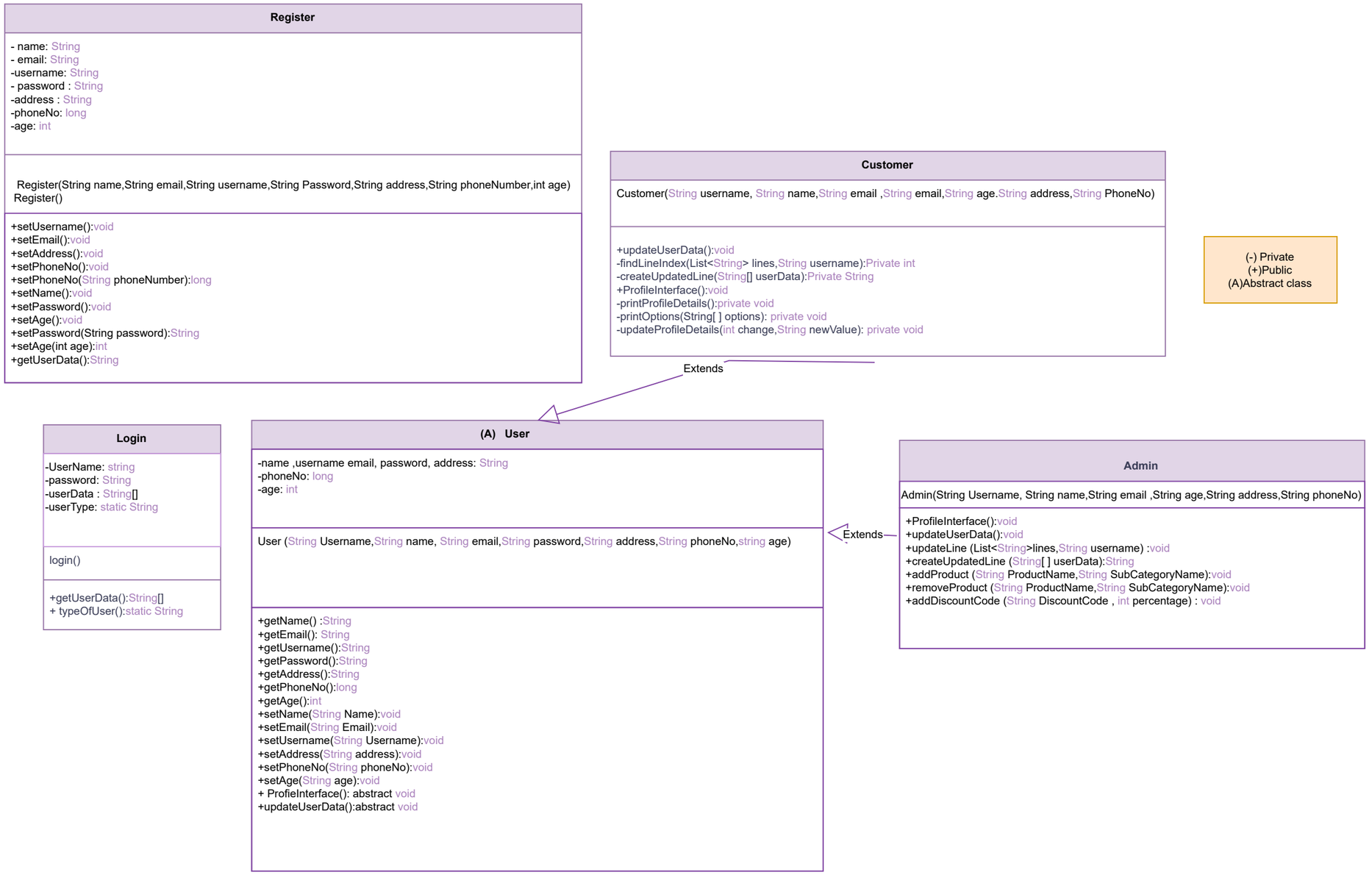
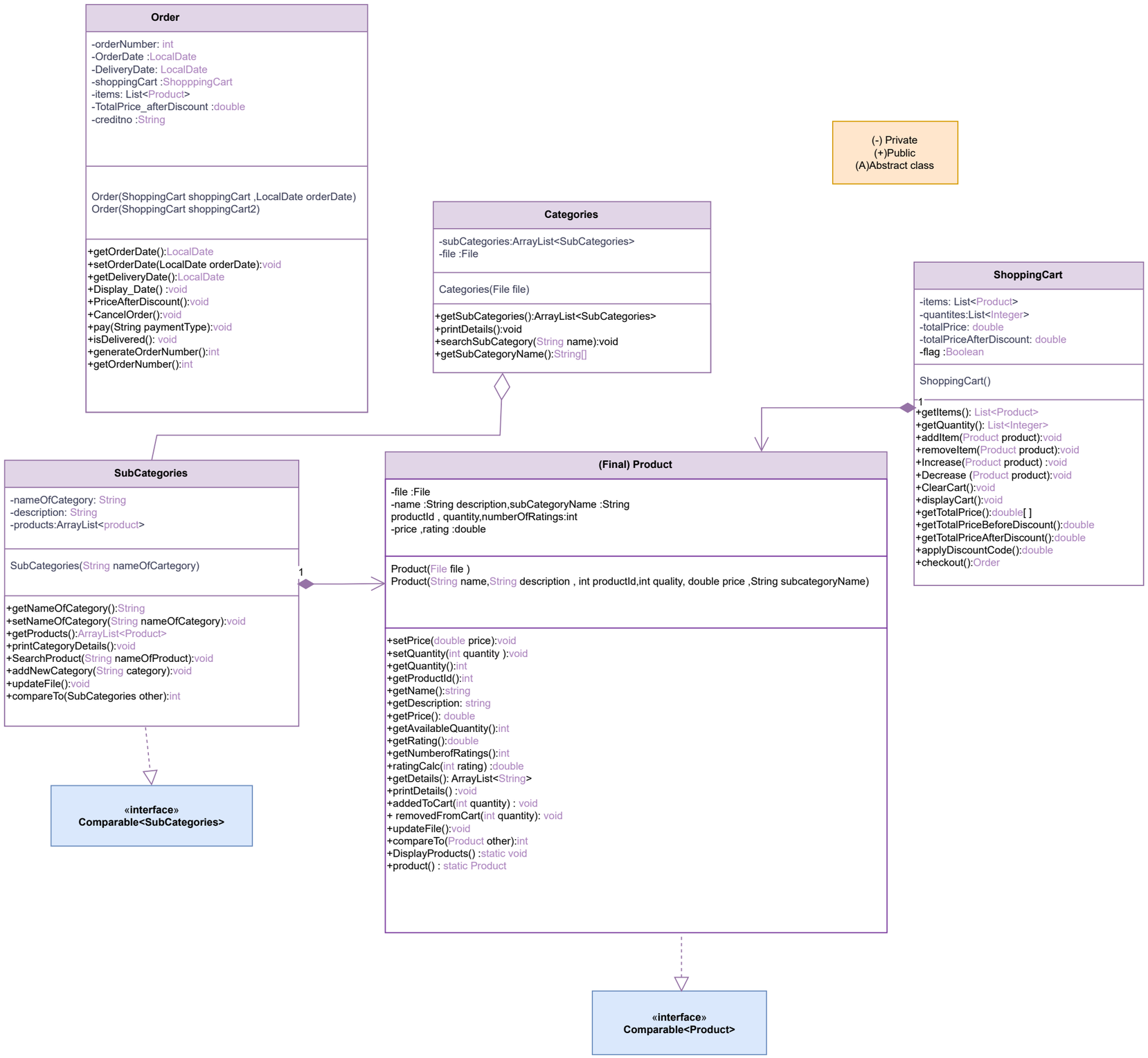
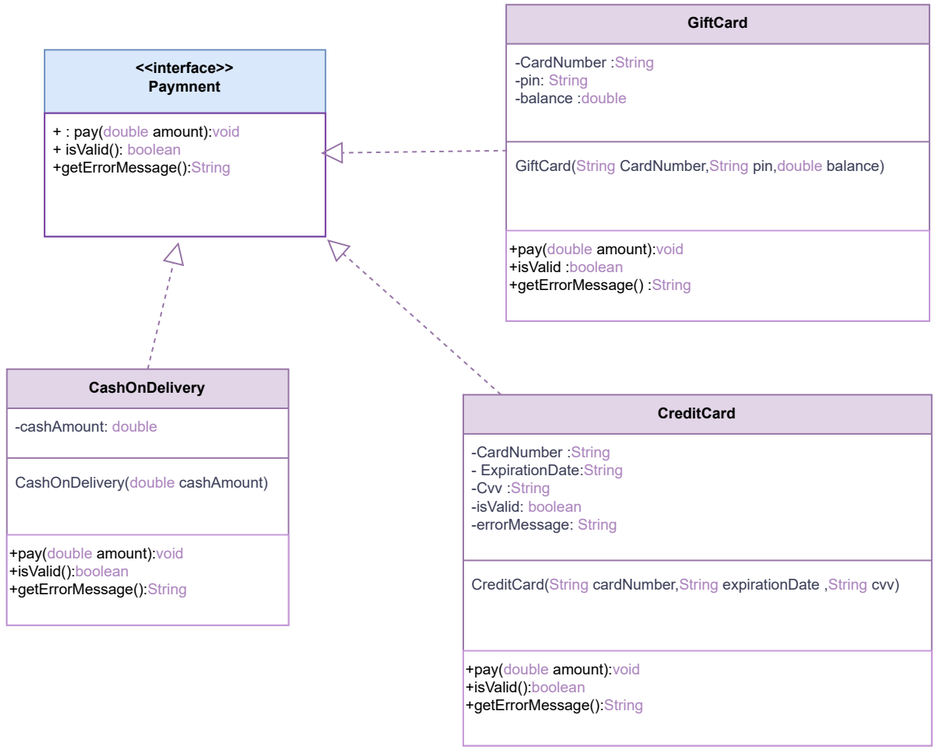

Register
- name: String
- email: String
-username: String
- password : String
-address : String
-phoneNo: long
-age: int
Register(String name,String email,String username,String Password,String address,String phoneNumber,int age)
Register()
+setUsername():void
+setEmail():void
+setAddress():void
+setPhoneNo():void
+setPhoneNo(String phoneNumber):long
+setName():void
+setPassword():void
+setAge():void
+setPassword(String password):String
+setAge(int age):int
+getUserData():String
Customer
Customer(String username, String name,String email ,String email,String age.String address,String PhoneNo)
+updateUserData():void
-findLineIndex(List<String> lines,String username):Private int
-createUpdatedLine(String[] userData):Private String
+ProfileInterface():void
-printProfileDetails():private void
-printOptions(String[ ] options): private void
-updateProfileDetails(int change,String newValue): private void
(-) Private
(+)Public
(A)Abstract class
Extends
Login
-UserName: string
-password: String
-userData : String[]
-userType: static String
login()
+getUserData():String[]
+ typeOfUser():static String
(A) User
-name ,username email, password, address: String
-phoneNo: long
-age: int
User (String Username,String name, String email,String password,String address,String phoneNo,string age)
+getName() :String
+getEmail(): String
+getUsername():String
+getPassword():String
+getAddress():String
+getPhoneNo():long
+getAge():int
+setName(String Name):void
+setEmail(String Email):void
+setUsername(String Username):void
+setAddress(String address):void
+setPhoneNo(String phoneNo):void
+setAge(String age):void
+ ProfileInterface(): abstract void
+updateUserData():abstract void
Extends
Admin
Admin(String Username, String name,String email ,String age,String address,String phoneNo)
+ProfileInterface():void
+updateUserData():void
+updateLine (List<String>lines,String username) :void
+createUpdatedLine (String[ ] userData):String
+addProduct (String ProductName,String SubCategoryName):void
+removeProduct (String ProductName,String SubCategoryName):void
+addDiscountCode (String DiscountCode , int percentage) : void


Order
-orderNumber: int
-OrderDate :LocalDate
-DeliveryDate: LocalDate
-shoppingCart :ShopppingCart
-items: List<Product>
-TotalPrice_afterDiscount :double
-creditno :String
Order(ShoppingCart shoppingCart ,LocalDate orderDate)
Order(ShoppingCart shoppingCart2)
+getOrderDate():LocalDate
+setOrderDate(LocalDate orderDate):void
+getDeliveryDate():LocalDate
+Display_Date() :void
+PriceAfterDiscount():void
+CancelOrder():void
+pay(String paymentType):void
+isDelivered(): void
+generateOrderNumber():int
+getOrderNumber():int
(-) Private
(+)Public
(A)Abstract class
Categories
-subCategories:ArrayList<SubCategories>
-file :File
Categories(File file)
+getSubCategories():ArrayList<SubCategories>
+printDetails():void
+searchSubCategory(String name):void
+getSubCategoryName():String[]
ShoppingCart
-items: List<Product>
-quantites:List<Integer>
-totalPrice: double
-totalPriceAfterDiscount: double
-flag :Boolean
ShoppingCart()
1
+getItems(): List<Product>
+getQuantity(): List<Integer>
+addItem(Product product):void
+removeItem(Product product):void
+Increase(Product product) :void
+Decrease (Product product):void
+ClearCart():void
+displayCart():void
+getTotalPrice():double[ ]
+getTotalPriceBeforeDiscount():double
+getTotalPriceAfterDiscount():double
+applyDiscountCode():double
+checkout():Order
SubCategories
-nameOfCategory: String
-description: String
-products:ArrayList<product>
SubCategories(String nameOfCartegory)
+getNameOfCategory():String
+setNameOfCategory(String nameOfCategory):void
+getProducts():ArrayList<Product>
+printCategoryDetails():void
+SearchProduct(String nameOfProduct):void
+addNewCategory(String category):void
+updateFile():void
+compareTo(SubCategories other):int
1
(Final) Product
-file :File
-name :String description,subCategoryName :String
productId , quantity,numberOfRatings:int
-price ,rating :double
Product(File file)
Product(String name,String description , int productId,int quality, double price ,String subcategoryName)
+setPrice(double price):void
+setQuantity(int quantity):void
+getQuantity():int
+getProductId():int
+getName():string
+getDescription: string
+getPrice(): double
+getAvailableQuantity():int
+getRating():double
+getNumberofRatings():int
+ratingCalc(int rating) :double
+getDetails(): ArrayList<String>
+printDetails() :void
+addedToCart(int quantity) : void
+ removedFromCart(int quantity): void
+updateFile():void
+compareTo(Product other):int
+DisplayProducts() :static void
+product() : static Product
«interface»
Comparable<SubCategories>
«interface»
Comparable<Product>

(-) Private
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