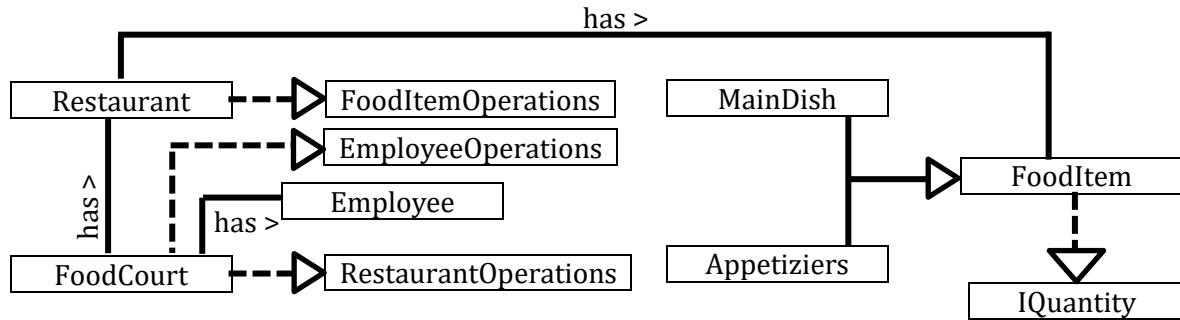


# Sample Project Question

## 1. Food Court Management Application:

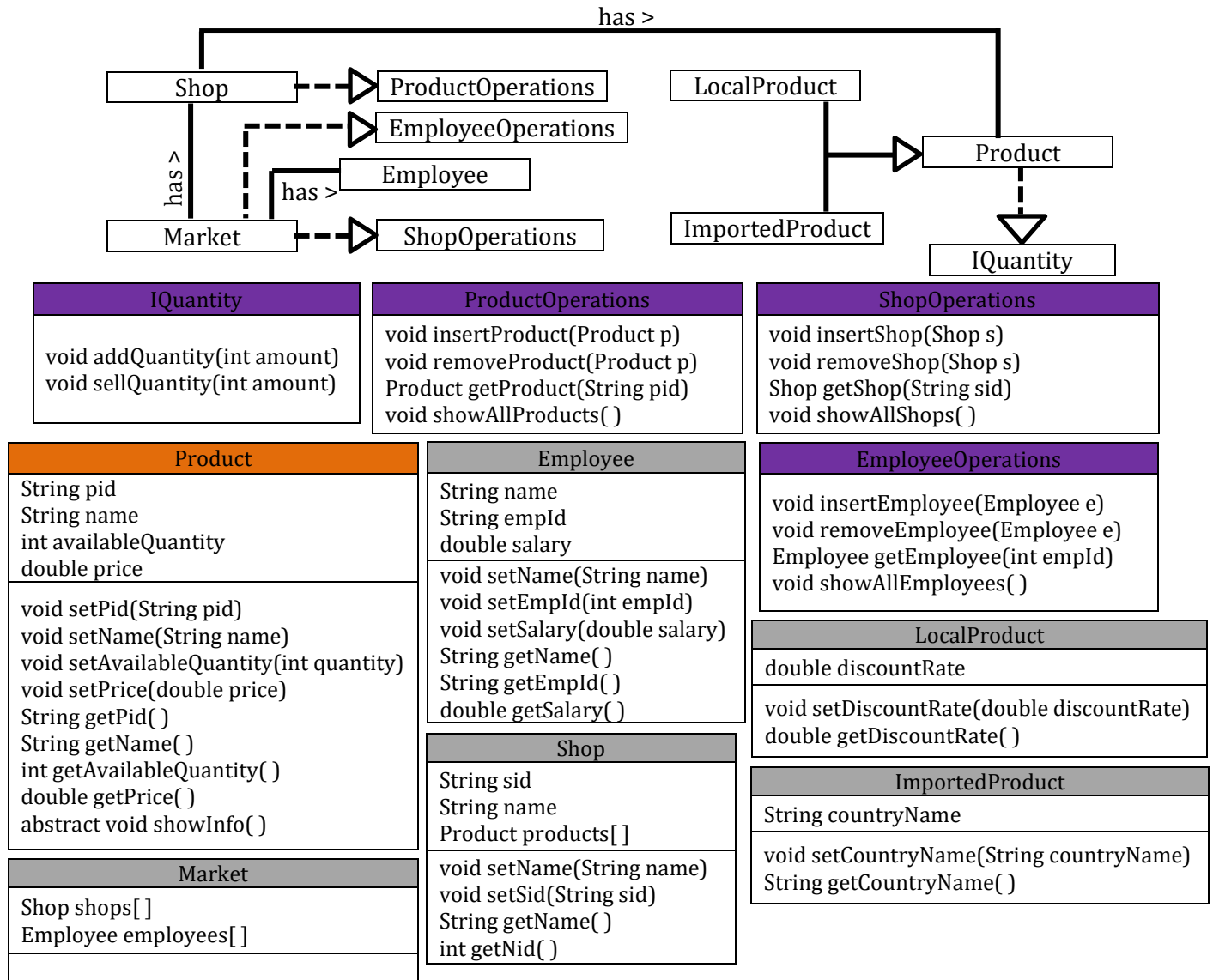


IQuantity	FoodItemOperations	RestaurantOperations
void addQuantity(int amount) void sellQuantity(int amount)	void insertFoodItem(FoodItem f) void removeFoodItem(FoodItem f) FoodItem getFoodItem(String fid) void showAllFoodItems( )	void insertRestaurant(Restaurant r) void removeRestaurant(Restaurant r) Restaurant getRestaurant(String rid) void showAllRestaurants( )
FoodItem	Employee	EmployeeOperations
String fid String name int availableQuantity double price  void setFid(String fid) void setName(String name) void setAvailableQuantity(int quantity) void setPrice(double price) String getFid( ) String getName( ) int getAvailableQuantity( ) double getPrice( ) abstract void showInfo( )	String name String empId double salary  void setName(String name) void setEmpId(int empId) void setSalary(double salary) String getName( ) String getEmpId( ) double getSalary( )	void insertEmployee(Employee e) void removeEmployee(Employee e) Employee getEmployee(int empId) void showAllEmployees( )
FoodCourt	Restaurant	MainDish
Restaurant restaurants[ ] Employee employees[ ]	String rid String name FoodItem fooditems[ ]  void setName(String name) void setRid(String rid) String getName( ) String getRid( )	String category  void setCategory(String category) String getCategory( )
		Appitizers
		String size  void setSize(String size) String getSize( )

Start
<p>The <b>Start</b> class contains the main method. Inside the main method the application prompts the user to choose among the following options:</p> <ol style="list-style-type: none"> <li>1. Employee Management</li> <li>2. Restaurant Management</li> <li>3. Restaurant FoodItem Management</li> <li>4. FoodItem Quantity Add-Sell</li> <li>5. Exit</li> </ol> <p>Upon choosing any of the option the user is given some further options to choose from:</p> <p><i>Options for Employee Management:</i></p> <ol style="list-style-type: none"> <li>1. Insert New Employee</li> <li>2. Remove Existing Employee</li> <li>3. Show All Employees</li> <li>4. Search an Employee</li> <li>5. Go Back</li> </ol> <p><i>Options for Restaurant Management:</i></p> <ol style="list-style-type: none"> <li>1. Insert New Restaurant</li> <li>2. Remove Existing Restaurant</li> <li>3. Show All Restaurants</li> <li>4. Search a Restaurant</li> <li>5. Go Back</li> </ol> <p><i>Options for Restaurant FoodItem Management:</i></p> <ol style="list-style-type: none"> <li>1. Insert New FoodItem</li> <li>2. Remove Existing FoodItem</li> <li>3. Show All FoodItems</li> <li>4. Search a FoodItem</li> <li>5. Go Back</li> </ol> <p><i>Options for FoodItem Quantity Add-Sell:</i></p> <ol style="list-style-type: none"> <li>1. Add FoodItem</li> <li>2. Sell FoodItem</li> <li>3. Show Add Sell History</li> <li>4. Go Back</li> </ol> <p>The application will prompt the user to give input for the necessary values as per the choice. The application will repeatedly go on according to the user choices. Whenever FoodItem is being added or sold, the information is written in a text file and when the user requests for the add-sell history, the information written in the text file is read and displayed on screen.</p>

# Sample Project Question

## 2. Market Management Application:



**Start**

The **Start** class contains the main method. Inside the main method the application prompts the user to choose among the following options:

1. Employee Management
2. Shop Management
3. Shop Product Management
4. Product Quantity Add-Sell
5. Exit

Upon choosing any of the option the user is given some further options to choose from:

*Options for Employee Management:*

1. Insert New Employee
2. Remove Existing Employee
3. Show All Employees
4. Search an Employee
5. Go Back

*Options for Shop Management:*

1. Insert New Shop
2. Remove Existing Shop
3. Show All Shops
4. Search a Shop
5. Go Back

*Options for Shop Product Management:*

1. Insert New Product
2. Remove Existing Product
3. Show All Product
4. Search a Product
5. Go Back

*Options for Product Quantity Add-Sell:*

1. Add Product
2. Sell Product
3. Show Add Sell History
4. Go Back

The application will prompt the user to give input for the necessary values as per the choice. The application will repeatedly go on according to the user choices. Whenever Product is being added or sold, the information is written in a text file and when the user requests for the add-sell history, the information written in the text file is read and displayed on screen.

# Sample Project Question

## ***Requirements:***

- Object Oriented Programming Principles must be followed.
- The whole program must be organized using at least three user defined packages.
- File Read Write must be there as mentioned above.
- The program must be able to handle exceptions by itself.

## ***Project Submission Instruction:***

- It is a group project and every group must contain exactly 2 members. No more. No less.
- Fill up the form in the following link:  
Link: <https://bit.ly/3dszx8u>
- I will assign a GroupID to your group and upload it in VUES.
- You will have to Zip and Upload the project in your VUES account. The name of your zipped folder will be according to your GroupID.
- Follow the template of project concluding report. You will also have to upload it in your VUES Account. The name of the file will also be according to your GroupID.