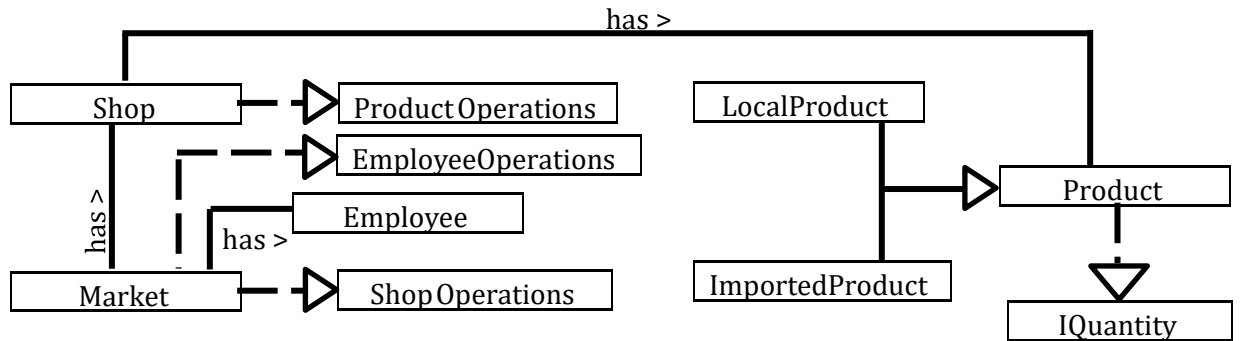


Market Management System

Project Details



IQuantity
void addQuantity(int amount) void sellQuantity(int amount)

ProductOperations
void insertProduct(Product p) void removeProduct(Product p) Product getProduct(String pid) void showAllProducts()

ShopOperations
void insertShop(Shop s) void removeShop(Shop s) Shop getShop(String sid) void showAllShops()

Product
String pid String name int availableQuantity double price void setPid(String pid) void setName(String name) void setAvailableQuantity(int quantity) void setPrice(double price) String getPid() String getName() int getAvailableQuantity() double getPrice() abstract void showInfo()

Employee
String name String empId double salary void setName(String name) void setNid(int nid) void setSalary(double salary) String getName() int getNid() double getSalary()

EmployeeOperations
void insertEmployee(Employee e) void removeEmployee(Employee e) Employee getEmployee(int empId) void showAllEmployees()

LocalProduct
double discountRate void setDiscountRate(double discountRate) double getDiscountRate()

Shop
String sid String name Product products[] void setName(String name) void setSid(String sid) String getName() int getNid()

ImportedProduct
String countryName void setCountryName(String countryName) String getCountryName()

Market
Shop shops[] Employee employees[]

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 |
|------------------------|-----------------------------|-----------------------|-----------------------|------------|

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.