Start

The Start class contains the main method. Inside the main method the application prompt the user to choose among those options:

1. Employee management

2. Shop management

3. Shop-Product management

4. Product Quantity management

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. Search Existing Employee 4. Show All Employees 5. Go Back

Options for Shop Management:

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

Options for Shop-Product Management:

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

Options for Product-Quantity management:

1. Add product 2. Sell Product 3. Show Product 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.

Local product

Imported product

Market

Shop

Product Operation

ProQuantity

Employee operation

Shop Operation

Employee

Employee

* Private string name
* Private string empId
* Private double salary
* Setname()
* setempid()
* setsalary()
* getname()
* getempid()
* getsalary()

Product

* Protected string pid
* Protected string name
* Protected int availableQuantity
* Protected double price
* Setpid( )
* Setname( )
* setavailableQuantity( )
* setprice( )
* getpid( )
* getname( )
* getavailableQuantity( )
* getprice( )

Product

Shop Operation

* Boolean insertshop( )
* Boolean removeshop( )
* Shop searchshop( )
* Void showallshop( )

Shop Operation

* Boolean insertshop( )
* Boolean removeshop( )
* Shop searchshop( )
* Void showallShop( )

Product Operation

* Boolean insertproduct( )
* Boolean removeprouct( )
* Product searchproduct( )
* Void showallproduct( )

Employee Operation

* Boolean insertemployee
* Boolean removeemploee
* Employee searchemployee
* Void showallemployee

Local Product

* Private double discountRate()

Local Product

* Private string countryName

Market

* Private shop shops[ ]
* Private Employee employees[ ]
* Boolean insertshop( )
* Boolean removeshop( )
* Shop searchshop( )
* Void showallshop( )
* Boolean insertproduct( )
* Boolean removeproduct( )
* Product searchproduct( )
* Void showallproduct( )

**Shop**

* **Private string sid**
* **Private string name**
* **Private product products[ ]**
* **Setsid( )**
* **Setname( )**
* **Getsid( )**
* **Getname( )**
* **Boolean insertproduct( )**
* **Boolean removeproduct( )**
* **Product searchproduct( )**
* **Void Showallproduct( )**