**Class Diagrams**

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| Store |
| -String storeName  -String storeLocation  -admin : Administrator  -staff : Employee  -schedule : Calendar  -inventory : Inventory |
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| Inventory |
| -product : ArrayList<Product> |
| +openProductStatus(); |

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| Statistic |
| -product : Inventory  -float valueExpenses  -float valueIncome  -bill :Billing  -inventory : Inventory |
| +viewStatiscsByMonth()  +viewStatisticsByDay()  +calculateIncome();  +calculateExpenses(); |
| Product |
| -String  nameProduct;  -int codeProduct;  -int stock;  -String kindOfProduct;  -float cost; |
| +addStock();  +removeStock(); |

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| Billing |
| -product: inventory  -int codeSaleProduct  -int quantityProductSold  -float iva  -float total |
| +calculateSellValue()  +generateBill() |

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| Person |
| -String name  -String gender  -Calendar : birthDate  -String id |
| +generateUser();  +generatePassword(); |

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| Administrator |
| -staff : ArrayList<Person>  -inventory : Inventory  -stats : Statistic  -String user  -String password |
| +addEmployee(staff : Person)  +removeEmployee(staff : Person)  +viewStaff(staff : Person)  +addProduct(inventory : Inventory)  +searchProduct(inventory : Inventory)  +viewStockProduct(inventory : Inventory)  +deleteProduct(inventory : Inventory)  +viewInventory(inventory : Inventory)  +viewStatistics(stats : Statistic) |

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| Employee |
| -product : Inventory  -String user  -String password  -bill : Billing |
| +sellProduct( )  +viewProduct( )  +printBill(); |

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| Delivery Service |
| -product : Inventory  -bill : Billing  -float totalCost |
| +addNewDelivery()  +viewDeliveryStatus()  +consultDeliveryNotification() |