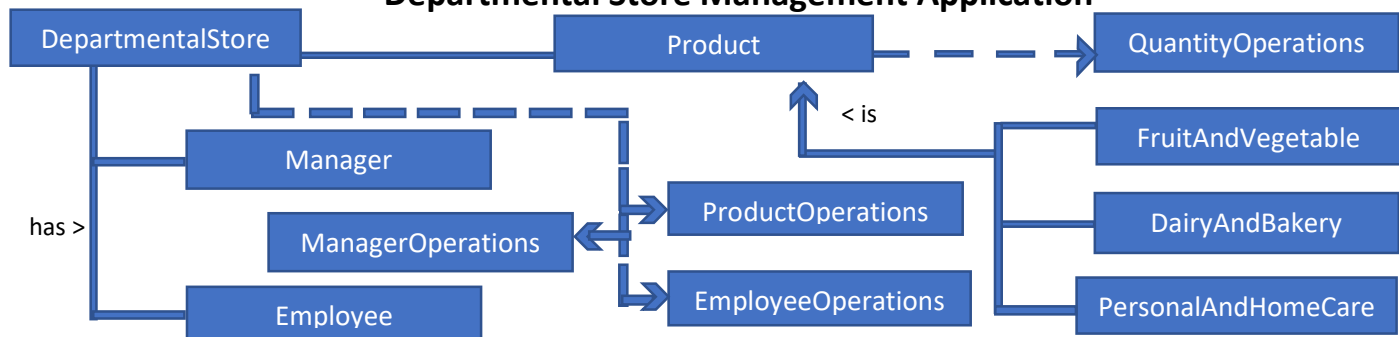


Departmental Store Management Application



DepartmentalStore
Product products []
Manager manager
Employee employees []

Employee
String name
String empld
double salary
void setName(String name)
void setEmpld(String empld)
void setSalary(double salary)
String getName()
String getEmpld()
double getSalary()

Product
String name
String barCode
double price
int availableQuantity
static double discountRate
void setName(String name)
void setBarCode(String barCode)
void setPrice(double price)
void setAvailableQuantity(int availableQuantity)
void setDiscountRate(double discountRate)
String getName()
String getBarCode()
double getPrice()
int getAvailableQuantity()
double getDiscountRate()
abstract void showDetails()

FruitsAndVegetables
String variety //(local/hybrid)
void setVariety(String variety)
String getVariety()

DairyAndBakery
String type //(sugar/sugar free)
void setType(String type)
String getType()

PersonalAndHomeCare
String brand //(local/International)
void setBrand(String brand)
String getBrand()

QuantityOperations
boolean addQuantity(int amount)
boolean sellQuantity(int amount)

ProductOperations
boolean insertProduct(Product p)
boolean removeProduct(Product p)
Product searchProduct(String barCode)
void showAllProducts()

EmployeeOperations
boolean insertEmployee(Employee e)
boolean removeEmployee(Employee e)
Employee searchEmployee(String empld)
void showAllEmployees()

ManagerOperations
void addManager(Manager m)
boolean increaseSalary(int amount)
addBonus(int amount) and backBonus(int amount)
void showManger()

Manager
String name
String manId
double salary
void setName(String name)
void setManId(String manId)
void setSalary(double salary)
String getName()
String getManId()
double getSalary()

Start
<p>The Start class contains the main method. Inside the main method the application prompts the user to choose among the following options:</p> <p>1. Product Management 2. Product Quantity Management 3. Manager Management 4. Employee Management 5. Exit</p> <p>Upon choosing any of the option the user is given some further options to choose from:</p> <p>Options for Product Management:</p> <p>1. Insert New Product 2. Remove Existing Product 3. Show All Products 4. Search a Product 5. Go Back</p> <p>Options for Product Quantity Management:</p> <p>1. Add Product 2. Sell Product 3. Show Add Sell History 4. Go Back</p> <p>Options for Manager Management:</p> <p>1. Add Manager 2. Increase Salary 3. Add Bonus 4. Get Back Bonus 5. Show Manager 6. Go Back</p> <p>Options for Employee Management:</p> <p>1. Insert New Employee 2. Remove Existing Employee 3. Show All Employee 4. Search an Employee 5. Go Back</p> <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 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.</p>