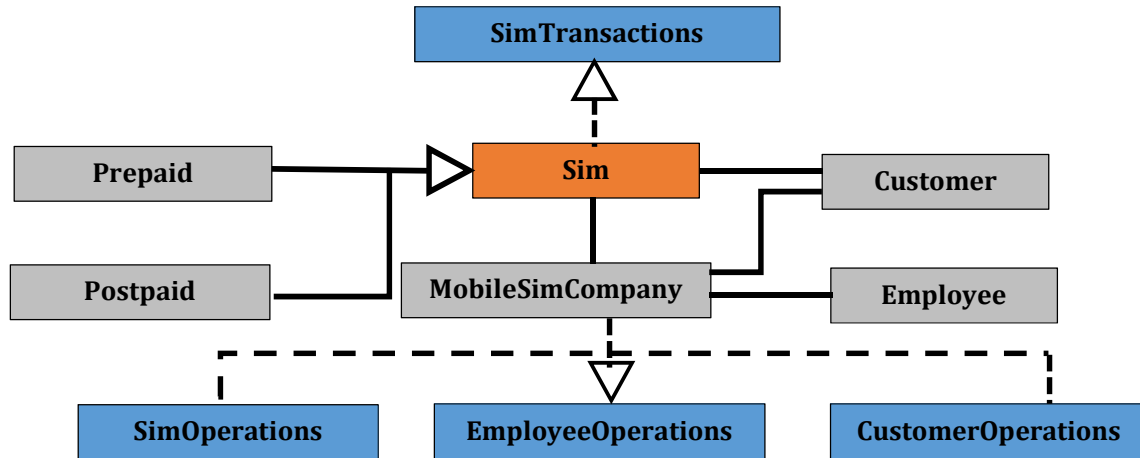


# Mobile Sim Company Management Application



Sim Transactions
boolean recharge(double amount) boolean balanceTransfer(Sim s,double amount)

Sim Operations
boolean insertSim(Sim s) boolean removeSim(Sim s) Sim searchSim(String simNumber) void showAllSims( )

CustomerOperations
boolean insertCustomer(Customer c) boolean removeCustomer(Customer c) Customer searchCustomer(int nid) void showAllCustomers( )

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

Sim
String simNumber Customer customer double balance String registredNumber void setSimNumber(String accountNumber) void setCustomer(Customer customer) void setBalance(double balance) void setRegisterdNumber(String registerdNumber) String getSimNumber( ) Customer getCustomer( ) double getBalance( ) abstract void showDetails( )

Customer
int nid String name void setNid(int nid) void setName(String name) int getNid( ) String getName( ) void showDetails( )

Prepaid
String validityDate void set ValidityDate(double validityDate ) String get ValidityDate ( )

Postpaid
double monthlyBill void setMonthlyBill(double monthlyBill) double getMonthlyBill ( )

Employee
String empId String empName double salary void setEmpId(String empId) void setEmpName(String empName) void setSalary(double salary) String getEmpId( ) String getEmpName( ) double getSalary( ) void showDetails( )

Mobile Sim Company
String name String customerCareName Sim sims[ ] Customer customers[ ] Employee employees[ ] void setName(String name) void set CustomerCareName (String customerCareName) String getName( ) String get CustomerCareName ( ) void showDetails( )

## 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. Customer Management
3. Sim Management
4. Sim Transactions
5. Show Mobile Sim Company Information
6. 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 Employee
3. Search Employee
4. Show All Employees
5. Go Back

*Options for Customer Management:*

1. Insert New Customer
2. Remove Customer
3. Search Customer
4. Show All Customers
5. Go Back

*Options for Sim Management:*

1. Insert New Sim
2. Remove Sim
3. Search Sim
4. Show All Sims
5. Go Back

*Options for Sim Transactions:*

1. Recharge
2. Balance Transfer
3. Show All Transactions
4. Go Back

The application will prompt the user to give input for the necessary values as per the option they choose. The application will repeatedly go on according to the user choices.