UML DIAGRAM

CUSTOMER

private:

amount:unsigned long long int

public:

USER

protected:

accountnumber:int name[40]:char age:int gender:char
cnic[40]:char
contactnumber[12]:char
email[30]:char password[20]:char

generateAccountNumber():int inputPassword(char[20]):void public:

setname():void
setGender():void
setCNIC:void setContactNumber():void setEmail():void setPassword():void getAccountNumber():int *getname():char getAge():int *getCNIC():int *getContactNumber():char

portal():Virtual Void
portalMenu():virtual int
deleteAccount():virtual void
accountSetting():virtualvoid
updateEmail(int):virtual void
updateInfo(int):virtual void
updateContactNumber(int):virtualvoid

changePassword(int):virtual void

ADMIN

public:

storeData():void
login():void
viewMyInfo():void
portal():void
portalMenu():int
deleteAccount():void
createNewAccount():void createCustomerDatabaseBackup():void createCustomerDatabaseBackupAnimation():void searchCustomer():void
searchByAccountNumber():void searchByName():void sortAscending():void sortDescending():void accountSetting():void updateEmail(int):void updateInfo(int):void updateContactNumber(int):void changePassword(int):void generateReport():void

SUPER ADMIN

public: addAdmin():void deleteAdmin():void portal():admin
portalMenu():int viewCurrentRevenue():void
 viewAdmins():void manageAdmins():void
viewMyInfo():void

CURRENCY

private:

code:int name[25]:char symbol[4]:char rate:float

private:

generateCurrencyCode():int

public:

addCurrency():void updateCurrencyRate():void viewCurrencyRates():void setRate(float):void

BANK

private: name:string totalAmountinBank:static unsigned long long int totalAccounts:static int

public: calculateTotalAmount():static int calculateTotalAccounts():static unsigned long long int incrementAccountCount:static void decrementAccountCount:static void updateData:static void

TRANSACTIONS

private:

transactionID:int int accountNumber:int customerName[40]:char amount:unsigned long long int transactionType[9]:char

private:

generateTransactionID():int

public:

storeTransaction(int, char[40], unsigned long long int, char[9]):void viewTransactionHistoryAdmin():void

> viewTransactionHistoryCustomer(int):void * getName():char
> getAccountNumber():int getAmount():unsigned long long int getTransactionType():char

> > getTransactionID():int

FRIEND CLASS

TAXATION DEPARTMENT

private: taxRate:float

calculateTax():double showInfo():void

class data members member **functions**