

Class Design

Customer

```
static final int customer_ID
private String FirstName
private String LastName
private String Phone
private String MiddleName
private String MaternalLastName
private String Prefix
private String Suffix
private String Address
```

```
Customer()
Customer(Customer c)
Customer(int id, String fn, String ln,
String mn, String mln, String phone,
String suffix, String Address)
getFirstName()
getLastName()
getPhone()
getMiddleName()
getMaternalLastName()
getPrefix()
getSuffix()
getAddress()
setFirstName(String fn)
setLastName(String ln)
setPhone(String ph)
setMiddleName(String mn)
setMaternalLastName(String mln)
setPrefix(String p)
setSuffix(String s)
setAddress(String ad)
equals(Customer c)
compareTo(Customer c)
toString()
clone()
```

DataHandler

```
DataHandlerAPI()
getAllCustomers()
getAllInvoices()
getAllChecks()
addCustomer(Customer c)
addInvoice(Invoice i)
addCheck(Check ch)
updateCustomer()
updateInvoice()
updateCheck()
deleteCustomer(int custID)
deleteInvoice(int InvoiceID)
deleteCheck(int checkID)
toString()
```

Check

```
static final int check_ID
private float amount
private int checkNumber
private int routingNumber
private Date checkDate

Check()
Check(Check c)
Check(float amnt, int rn, int cn, Date cd)
getAmount()
getcheckNumber()
getRoutingNumber()
getCheckDate()
getCheckDate()
setAmount(float amt)
setcheckNumber(int cn)
setRoutingNumber(int rn)
setCheckDate(Date d)
compareTo(Check c)
equals(Check c)
toString()
clone()
```

Invoice

```
static final int invoice_ID
private Date invoiceDate
private Check[] checksArray
private Customer customer
private User user

Invoice()
Invoice(Invoice i)
Invoice(Date id, Check[] ca, Customer c,
User u)
getInvoiceDate()
getChecksArray()
getCustomer()
getUser()
setInvoiceDate(Date id)
setChecksArray(Check[] ca)
setCustomer(Customer c)
setUser(User u)
compareTo(Invoice i)
equals(Invoice i)
toString()
clone()
```

User

```
static final int User_ID
private string username
private string password

User()
User(User u)
User(String u, string p)
getUsername()
getPassword()
setUsername(String u)
setPassword(String p)
compareTo(User u)
equals(User u)
toString()
clone()
```