

Christian Tampus CIS-315

```
public static <DataType> ArrayList<DataType> readFile(String filePath, String dataType)
```

com.BankUtils

FileUtils

```
+ readFile(filePath: String, dataType: String): ArrayList<dataType>
```

BankAccount

```
- customerName: String
- checking: double
- savings: double
```

```
+ BankAccount()
+ BankAccount(customerName: String)
+ BankAccount(customerName: String, checking: double, savings: double)
+ getCustomerName(): String
+ getChecking(): double
+ getSavings(): double
+ setCustomerName(customerName: String)
+ setChecking(checking: double)
+ setSavings(savings: double)
+ transferToChecking(amount: double)
+ transferToSavings(amount: double)
+ withdrawFromChecking(amount: double): double
+ withdrawFromSavings(amount: double): double
+ depositToChecking(amount: double)
+ depositToSavings(amount: double)
+ displayBalance(): String
+ toString(): String
```

Uses

Uses

BankMain

```
+ main(String[] args): void
```

```
import com.BankUtils.FileUtils;
import com.BankUtils.BankAccount;
```

```
public static void main(String[] args) {
    String customerNamesFilePath = "FILE PATH HERE";
    String checkingFilePath = "FILE PATH HERE";
    String savingsFilePath = "FILE PATH HERE";
    ArrayList<String> customerNamesArray = FileUtils.readFile(customerNamesFilePath, "String");
    ArrayList<Double> checkingArray = FileUtils.readFile(checkingFilePath, "Double");
    ArrayList<Double> savingsArray = FileUtils.readFile(savingsFilePath, "Double");
    ArrayList<BankAccount> bankAccounts = new ArrayList<BankAccount>();
    for (int index = 0; index < customerNamesArray.size(); index++) {
        bankAccounts.add(new BankAccount(customerNamesArray.get(index), checkingArray.get(index), savingsArray.get(index)));
    }
}
```