ICS4U UML DIAGRAMS

PizzaParlour
-custName: String -clname: String -cfname: String
+main(args: String[]): void +login(staff: StaffList, cust: CustomerList, tans:TransactionList): Staff +custLogin(customer: CustomerList, trans: TransactionList, staff: StaffList): Customer +popUp(): String +newCust(): void

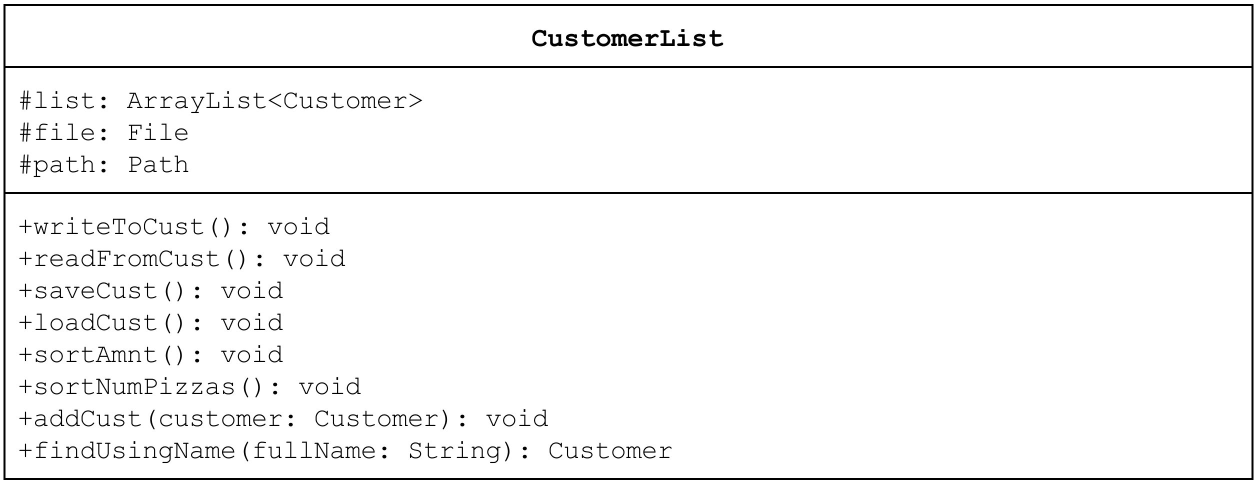
Staff
-fname: String -lname: String -password: String -staffID: int -numShifts: int
+Staff(fname: String, lname: String, password: String, staffID: int, numShifts: int) +changePassword(currentPassword: String, oldPassword: String): void +checkPosition(): String +getStaffID(): int +getPassword(): String +getName(): String +getNumShifts: int +setPassword(password: String): void +toString(): String

Manager
-rating: double -overall: double -numRaters: int
+Manager(fname: String, lname: String, password: String, staffID: int, numShifts: int) +getRating(): double +setRating (amount: double): void +toString(): String

Employee
-hourlyWage: double -ratingsLeft: int -df: DecimalFormat
+Employee(fname: String, lname: String, password: String, staffID: int, numShifts: int, hourlyWage: double) +getHourlyWage(): double +getRatingsLeft(): int +setHourlyWage(amount: double): void +subtractRatings(): void +toString(): String

Customer
-fname: String -lname: String -numPizzasOrdered: int -untilFree: int -amountSpent: double -df: DecimalFormat
+Customer(fname: String, lname: String) +getName(): String +getNumberOfPizzasOrdered(): int +getAmountSpent(): double +setUntilFree(amount: int): void +addAmountSpent(double): void +addPizza(amnt: int): void +toString(): String

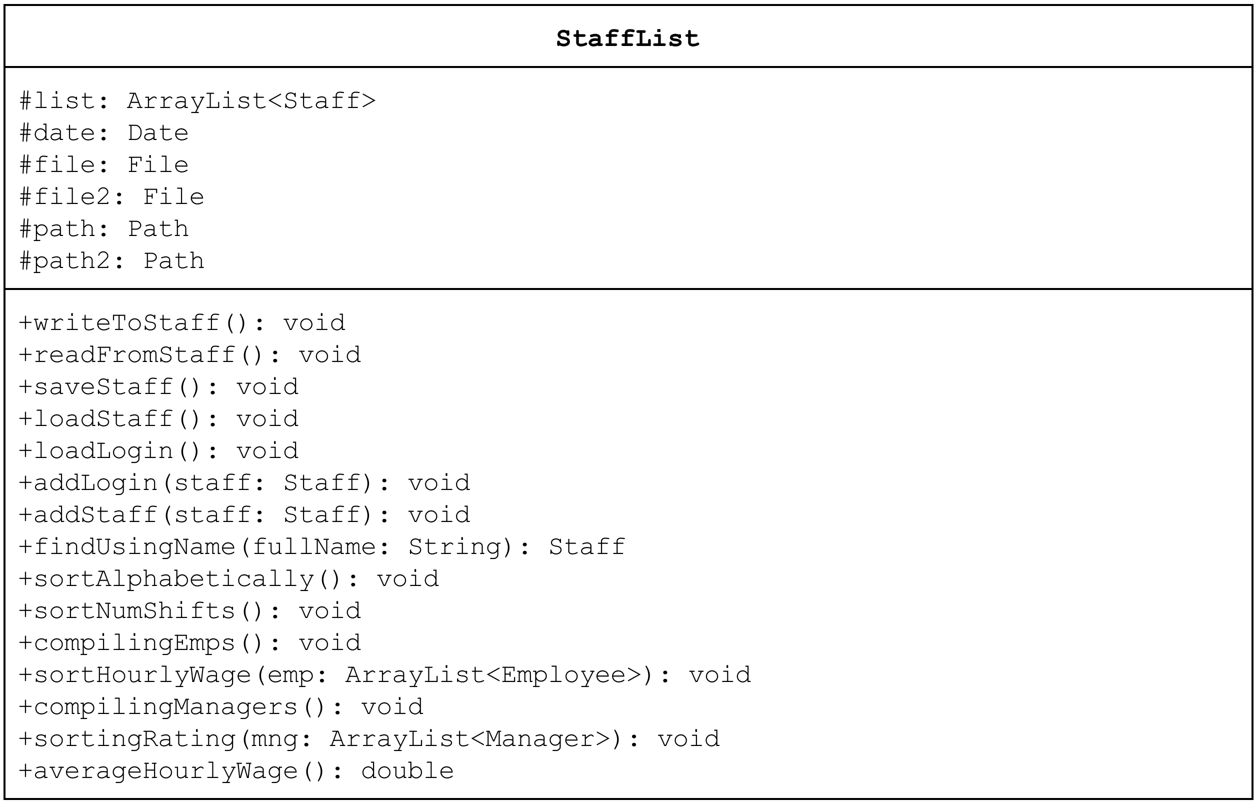
TransactionList
#list: ArrayList<Transaction> #file: File #path: Path
+addTransaction(tr: Transaction): void +writeToTransaction(): void +readFromTransaction(): void +saveTransaction(): void +loadTransaction(): void +sortPrice(): void +sortDate(): void



CustomerList

```
#list: ArrayList<Customer>
#file: File
#path: Path
```

```
+writeToCust(): void
+readFromCust(): void
+saveCust(): void
+loadCust(): void
+sortAmnt(): void
+sortNumPizzas(): void
+addCust(customer: Customer): void
+findUsingName(fullName: String): Customer
```



StaffList

```
#list: ArrayList<Staff>
#date: Date
#file: File
#file2: File
#path: Path
#path2: Path
```

```
+writeToStaff(): void
+readFromStaff(): void
+saveStaff(): void
+loadStaff(): void
+loadLogin(): void
+addLogin(staff: Staff): void
+addStaff(staff: Staff): void
+findUsingName(fullName: String): Staff
+sortAlphabetically(): void
+sortNumShifts(): void
+compilingEmps(): void
+sortHourlyWage(emp: ArrayList<Employee>): void
+compilingManagers(): void
+sortingRating(mng: ArrayList<Manager>): void
+averageHourlyWage(): double
```