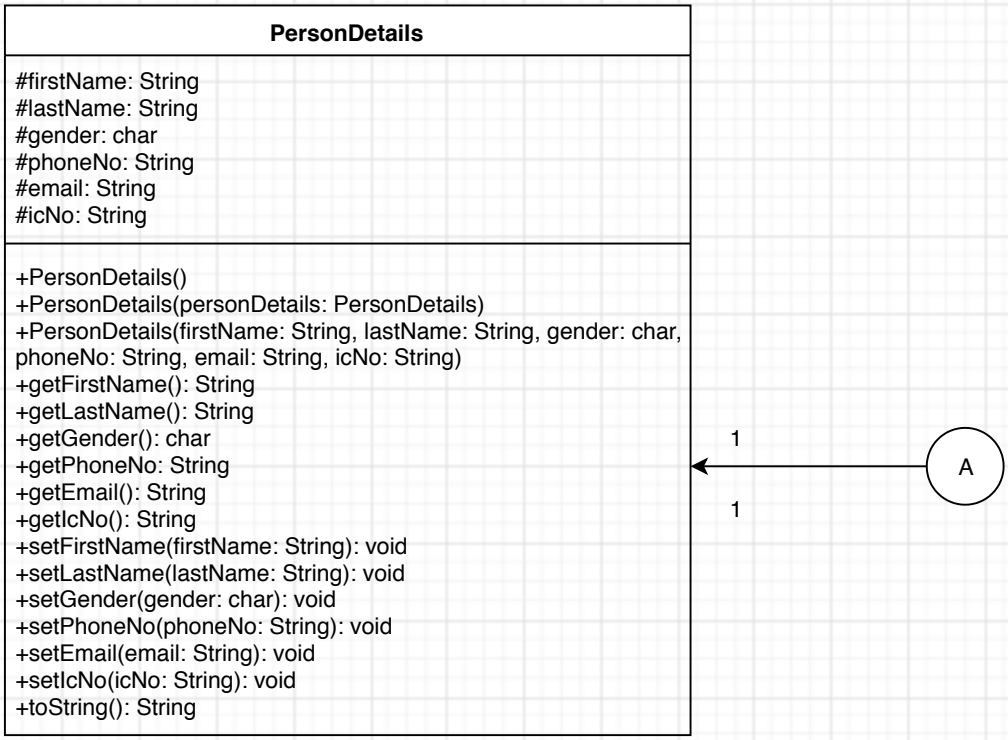
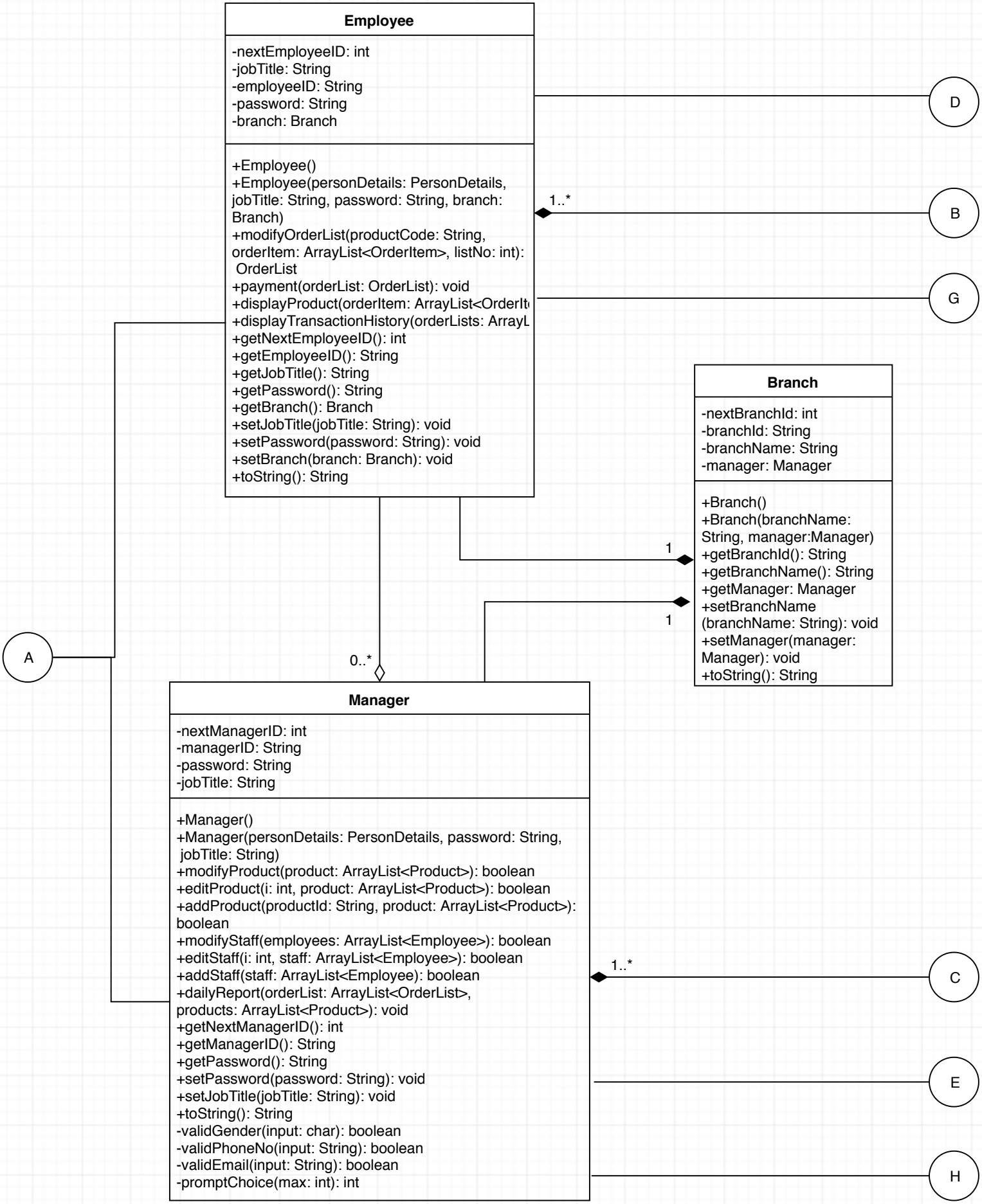
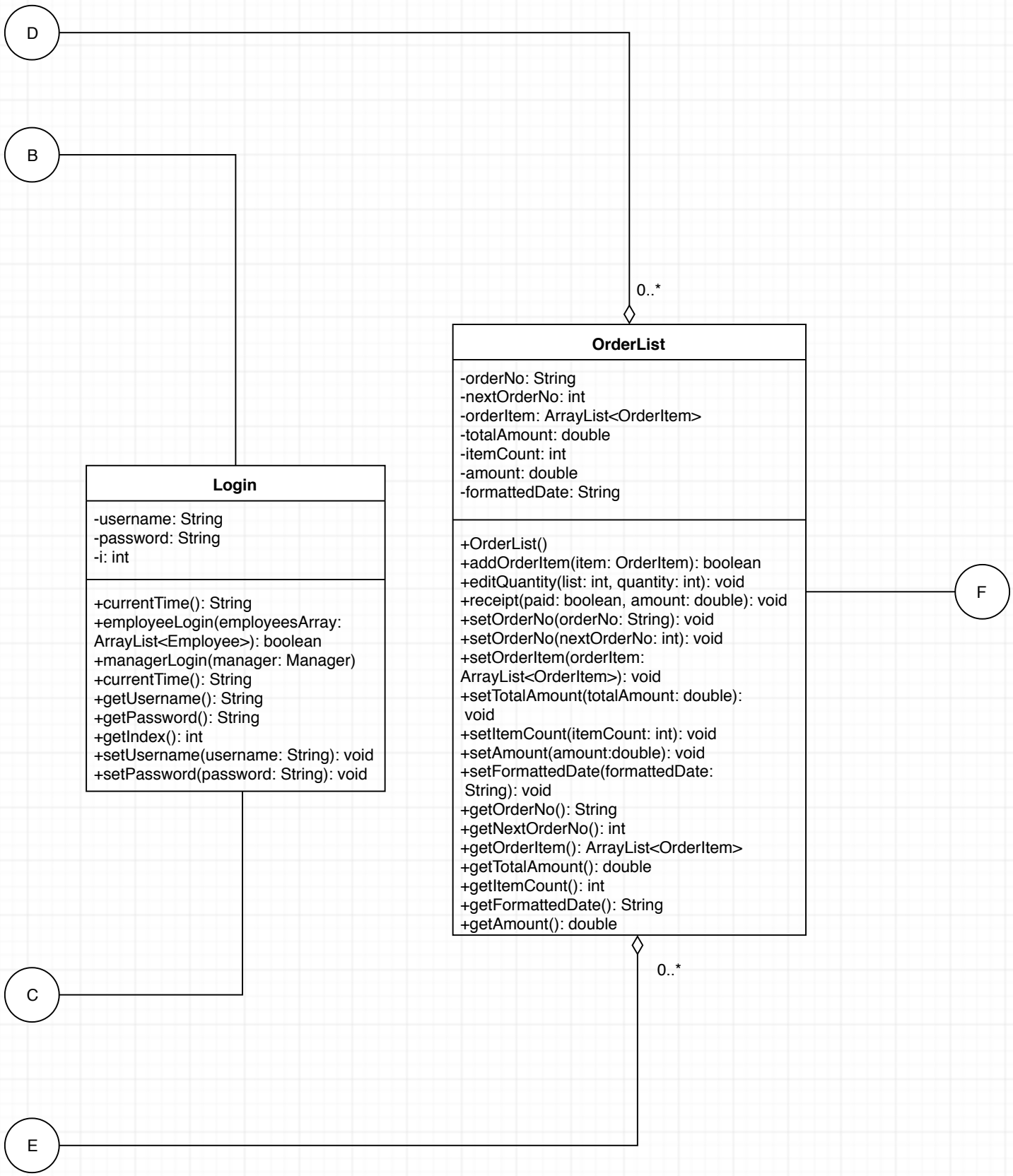
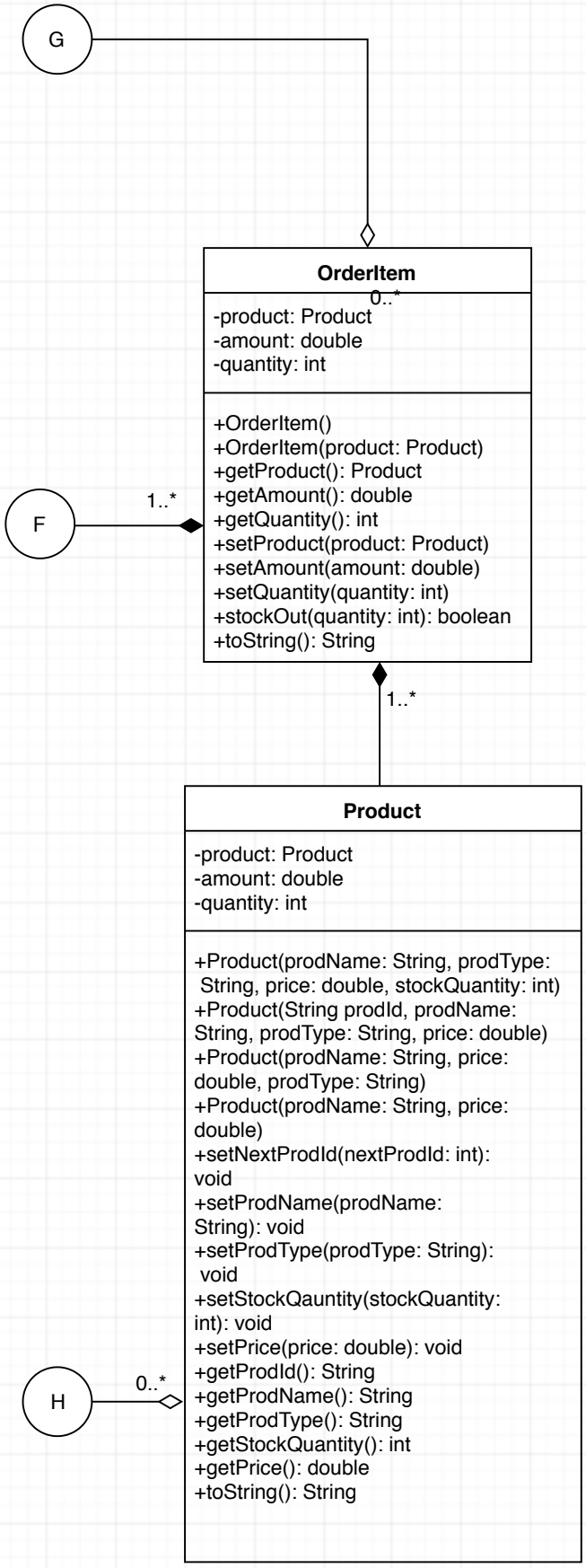

PersonDetails
#firstName: String
#lastName: String
#gender: char
#phoneNo: String
#email: String
#icNo: String
+PersonDetails()
+PersonDetails(personDetails: PersonDetails)
+PersonDetails(firstName: String, lastName: String, gender: char, phoneNo: String, email: String, icNo: String)
+getFirstName(): String
+getLastName(): String
+getGender(): char
+getPhoneNo: String
+getEmail(): String
+getIcNo(): String
+setFirstName(firstName: String): void
+setLastName(lastName: String): void
+setGender(gender: char): void
+setPhoneNo(phoneNo: String): void
+setEmail(email: String): void
+setIcNo(icNo: String): void
+toString(): String
1
1
A


Employee
-nextEmployeeID: int
-jobTitle: String
-employeeID: String
-password: String
-branch: Branch
+Employee()
+Employee(personDetails: PersonDetails, jobTitle: String, password: String, branch: Branch)
+modifyOrderList(productCode: String, orderItem: ArrayList<OrderItem>, listNo: int): OrderList
+payment(orderList: OrderList): void
+displayProduct(orderItem: ArrayList<OrderIt
+displayTransactionHistory(orderLists: ArrayL
+getNextEmployeeID(): int
+getEmployeeID(): String
+getJobTitle(): String
+getPassword(): String
+getBranch(): Branch
+setJobTitle(jobTitle: String): void
+setPassword(password: String): void
+setBranch(branch: Branch): void
+toString(): String
Branch
-nextBranchId: int
-branchId: String
-branchName: String
-manager: Manager
+Branch()
+Branch(branchName: String, manager:Manager)
+getBranchId(): String
+getBranchName(): String
+getManager: Manager
+setBranchName (branchName: String): void
+setManager(manager: Manager): void
+toString(): String
Manager
-nextManagerID: int
-managerID: String
-password: String
-jobTitle: String
+Manager()
+Manager(personDetails: PersonDetails, password: String, jobTitle: String)
+modifyProduct(product: ArrayList<Product>): boolean
+editProduct(i: int, product: ArrayList<Product>): boolean
+addProduct(productId: String, product: ArrayList<Product>): boolean
+modifyStaff(employees: ArrayList<Employee>): boolean
+editStaff(i: int, staff: ArrayList<Employee>): boolean
+addStaff(staff: ArrayList<Employee): boolean
+dailyReport(orderList: ArrayList<OrderList>, products: ArrayList<Product>): void
+getNextManagerID(): int
+getManagerID(): String
+getPassword(): String
+setPassword(password: String): void
+setJobTitle(jobTitle: String): void
+toString(): String
-validGender(input: char): boolean
-validPhoneNo(input: String): boolean
-validEmail(input: String): boolean
-promptChoice(max: int): int
1..*
1
1
0..*
1..*
A
B
C
D
E
G
H


D
B
0..*
OrderList
-orderNo: String
-nextOrderNo: int
-orderItem: ArrayList<OrderItem>
-totalAmount: double
-itemCount: int
-amount: double
-formattedDate: String
+OrderList()
+addOrderItem(item: OrderItem): boolean
+editQuantity(list: int, quantity: int): void
+receipt(paid: boolean, amount: double): void
+setOrderNo(orderNo: String): void
+setOrderNo(nextOrderNo: int): void
+setOrderItem(orderItem: ArrayList<OrderItem>): void
+setTotalAmount(totalAmount: double): void
+setItemCount(itemCount: int): void
+setAmount(amount:double): void
+setFormattedDate(formattedDate: String): void
+getOrderNo(): String
+getNextOrderNo(): int
+getOrderItem(): ArrayList<OrderItem>
+getTotalAmount(): double
+getItemCount(): int
+getFormattedDate(): String
+getAmount(): double
F
Login
-username: String
-password: String
-i: int
+currentTime(): String
+employeeLogin(employeesArray: ArrayList<Employee>): boolean
+managerLogin(manager: Manager)
+currentTime(): String
+getUsername(): String
+getPassword(): String
+getIndex(): int
+setUsername(username: String): void
+setPassword(password: String): void
C
0..*
E


G
OrderItem
0..*
-product: Product
-amount: double
-quantity: int
+OrderItem()
+OrderItem(product: Product)
+getProduct(): Product
+getAmount(): double
+getQuantity(): int
+setProduct(product: Product)
+setAmount(amount: double)
+setQuantity(quantity: int)
+stockOut(quantity: int): boolean
+toString(): String
F
1..*
1..*
Product
-product: Product
-amount: double
-quantity: int
+Product(prodName: String, prodType: String, price: double, stockQuantity: int)
+Product(String prodId, prodName: String, prodType: String, price: double)
+Product(prodName: String, price: double, prodType: String)
+Product(prodName: String, price: double)
+setNextProdId(nextProdId: int): void
+setProdName(prodName: String): void
+setProdType(prodType: String): void
+setStockQauntity(stockQuantity: int): void
+setPrice(price: double): void
+getProdId(): String
+getProdName(): String
+getProdType(): String
+getStockQuantity(): int
+getPrice(): double
+toString(): String
H
0..*