Shop

- Order[] orders  
- RobotModel[] robotModels  
- Customer[] customers  
- SalesAssoc[] salesAssoc

+constructors & getters  
+void createRobotModel()  
+void newCustomer()  
+void placeOrder()  
+void runReport(Report aReport)  
+void saveData(Path aPath)

Customer

-String name  
-int customerNum  
-double wallet  
-Order[] orders

+constructors & getters

SalesAssoc

-String name  
-int employeeNum  
-Order[] orders

+constructors & getters

Order

-int orderNum  
-Date date  
-Customer customer  
-SalesAssoc salesAssoc  
-RobotModel robotModel  
-Status status

+constructors & getters  
+double robotPrice()  
+double calcShipping()  
+double calcTax()  
+double totalPrice()

RobotModel

-String name  
-int modelNum  
-double price  
-RobotPart[] robotParts

+constructors & getters  
+double partCost()  
+double maxSpeed()

<<abstract>>  
RobotPart

-String name  
-int partNum  
-PartType partType  
-double weight  
-double price  
-String descript  
-RenderedImage image

+constructors & getters

Arm

+field: type

+int powerCost(int speed)

Battery

-double energy  
-double maxPow

+constructors & getters

Torso

-final int batterySlots  
-Head head  
-Arm[] arms  
-Motor motor  
-Battery[] batteries

+constructors & getters  
+setters for components

Head

+field: type

+constructors & getters

Motor

-int maxSpeed

+constructors and getters  
+int powerCost(int speed)

Extends

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