GrandParent Class:

Transportation
- name : String - averageSpeed : double - cost : double - purchaseType : String - purchased : boolean - numPurchased : int - maxPassengers : int - travelInstructions : String
<<Constructor>> Transportation(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String) + getName() : String + setName(name : String) + getAverageSpeed() : double + setAverageSpeed(averageSpeed : double) + getCost() : double + setCost(cost : double) + getPurchaseType() : String + setPurchaseType(purchaseType : String) + getPurchased() : boolean + setPurchased(purchased : boolean) + getMaxPassengers() : int + setMaxPassengers(maxPassengers : int) + getNumPurchased() : int + setNumPurchased(numPurchased : int) + getTravelInstructions() : String + setTravelInstructions(travelInstructions : String) + getComputedTicketCost() + getComputedRentalCost() + toString() : String

Parent Classes:

WaterTransportation
Inherits from : Transportation   -   waterType : String

<<Constructor>> WaterTransportation(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, waterType : String)
 	
   +   getWaterType() : String
   +   setWaterType(waterType : String)
   +   Overridden toString() : String

LandTransportation

Inherits from : Transportation
   -    terrainType : String
   -    numWheels : int

<<Constructor>> LandTransportation(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, terrain : String, numWheels : int)
 	
   +   getTerrain() : String
   +   setTerrain(terrain : String)
   +   getNumWheels() : int
   +   setNumWheels(numWheels : int)
   +   Overridden toString : String

AirTransportation
Inherits from : Transportation   -   altitude : int

<<Constructor>> AirTransportation(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, altitude : int)
 	
   +   getAltitude() : int
   +   setAltitude(altitude : int)
   +   Overridden toString() : String

LandTransportation Child Classes:

Automobile

Inherits from : LandTransportation
   -     make : String
   -     model : String
   -     year : int

<<Constructor>> Automobile(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, terrain : String, numWheels : int, make : String, model : String)
 	
   +   getMake() : String
   +   setMake(make : String)
   +   getModel() : String
   +   setModel(model : String)
   +   getYear() : int
   +   setYear(year : int)
   +   toString() : String

Bike

Inherits from : LandTransportation
   -     brand : String
   -     numGears : int

<<Constructor>> Bike(name: String, averageSpeed: double, cost : double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, terrain : String, numWheels : int, brand : String, numGears : int)
 	
   +   getBrand() : String
   +   setBrand(brand : String)
   +   getNumGears() : int
   +   setNumGears(numGears : int)
   +   toString() : String

Bus
Inherits from : LandTransportation   -   routeNum : int

<<Constructor>> Bus(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, terrain : String, numWheels : int, routeNum : int)
 	
   +   getRouteNum() : int
   +   setRouteNum(routeNum : int)
   +   toString() : String

Train
Inherits from : LandTransportation   -   fuelType : String

<<Constructor>> Train(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, terrain : String, numWheels : int, fuelType : String
 	
   +   getFuelType() : String
   +   setFuelType(fuelType : String)
   +   toString() : String

WaterTransportation Child Classes:

Boat

Inherits from : WaterTransportation
    -    boatName : String
    -    numEngines : int

<<Constructor>> Boat(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, waterType : String, numEngines : String, boatName : String)
 	
    +   getNumEngines() : int
    +   setNumEngine(numEngines : int)
    +   getBoatName() : String
    +   setBoatName(boatName : String)
    +   toString() : String

Ship

Inherits from : WaterTransportation
    -    shipName : String
    -    cargoType : String

<<Constructor>> Boat(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, waterType : String, cargoType : String, shipName : String)
 	
    +   getCargoType() : String
    +   setCargoType(cargoType : String)
    +   getShipName() : String
    +   setShipName(shipName : String)
    +   toString() : String

Submarine
Inherits from : WaterTransportation   -   depth : double

<<Constructor>> Boat(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, waterType : String, depth : double)
 	
    +   getDepth() : double
    +   setDepth(depth : double)
    +   toString() : String

AirTransportation Child Classes:

Plane
Inherits from : AirTransportation   -   airline : String

<<Constructor>> Plane(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, altitude : int, airline : String)
 	
    +   getAirline() : String
    +   setAirline(airline : String)
    +   toString() : String

Dirigible
Inherits from : AirTransportation   -   color : String

<<Constructor>> Dirigible(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, altitude : int, color : String)
 	
    +   getColor() : String
    +   setColor(color : String)
    +   toString() : String

Helicopter
Inherits from : AirTransportation   -   numBlades : int

<<Constructor>> Helicopter(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, altitude : int, numBlades : int)
 	
    +   getNumBlades() : int
    +   setNumBlades(numBlades : int)
    +   toString() : String

HotAirBalloon
Inherits from : AirTransportation   -   basketMaterial

<<Constructor>> HotAirBalloon(name: String, averageSpeed: double, cost: double, purchaseType : String, purchased : boolean, numPurchased : int, maxPassengers : int, travelInstructions : String, altitude : int, basketMaterial : String)
 	
    +   getBasketMaterial() : String
    +   setBasketMaterial(basketMaterial : String)
    +   toString() : String