Vehicle
- yearBuilt: int - manufacturer: String - vehicleType: String - model: String - exteriorColor: String - plateNumber: String - dateAcquired: String - workNotes: String - workNeeded: boolean - cost: double - value: double
+ Vehicle() + Vehicle(plateNumber: String, yearBuilt: int, dateAcquired: String, manufacturer: String vehicleType: String, model: String, exteriorColor: String, workNeeded: boolean, workNotes: String, cost: double, value: double) + getYearBuilt(): int + setYearBuilt(yearBuilt: int):void + getManufacturer(): String + setManufacturer(manufacturer: String): void + getVehicleType(): String + setVehicleType(vehicleType: String): void + getModel(): String + setModel(model: String): void + getExteriorColor(): String + setExteriorColor(exteriorColor: String): void + getPlateNumber(): String + setPlateNumber(plateNumber: String): void + getDateAcquired(): String + setDateAcquired(dateAcquired: String): void + getWorkNotes(): String + setWorkNotes(workNotes: String) + getWorkNeeded(): boolean + setWorkNeeded(workNeeded: boolean): void + getCost(): double + setCost(cost: double): void + getValue(): double + setValue(value: double): void + toString(): String

Collection
- collection: Vehicle[] - numCars: int

+ Collection() + getNumCars(): int + readFile(fileName: String): void + writeFile(fileName: String): void + sortArray(): Vehicle[] - addVehicle(v1: Vehicle): void + displayCollection(): void + needsWork(): int + updateVehicle(plateNumber: String): void + displayVehicle(plateNumber: String): void + removeVehicle(plateNumber: String): void

TextMenu
- menuItems: String[]
+ TextMenu(menuItems: String[]) + getChoice(): int

COLLECTION DRIVER PSEUDOCODE

1. Initialize a Collection object c1.

2. Call the Setup() method and pass c1.

3. Inside the setup method:

- List menu options in an array.
- Create a TextMenu object t1 with the menu options.
- Display the menu and get the user's choice using t1.getChoice().

4. Loop until the user chooses to Quit (choice 9):

- If choice is 1:
  - Ask the user to enter a plate number.
  - Create a Vehicle object using the addVehicle method.
  - Add the Vehicle object to the collection using collect.addVehicle().
  - Display the updated number of vehicles in the collection.

- If choice is 2:
  - Ask the user to enter the plate number of the vehicle to edit.
  - Call collect.updateVehicle() to update the vehicle.

- If choice is 3:
  - Ask the user to enter the plate number of the vehicle to search for.
  - Call collect.displayVehicle() to show the details of the selected vehicle.

- If choice is 4:
  - Call collect.needsWork() to show vehicles needing work and count.

- If choice is 5:
  - Call collect.displayCollection() to show all vehicles in the collection.
  - Show the number of vehicles in the collection.

- If choice is 6:
  - Ask the user to enter the name of the file to be read.

- Call collect.readFile() to read vehicles from the file and add to the collection.
- Show the number of vehicles in the collection.

- If choice is 7:
  - Ask the user to enter the name of the file to write to.
  - Call collect.writeFile() to write the collection to the file.

- If choice is 8:
  - Ask the user to enter the plate number of the vehicle to delete.
  - Confirm deletion and call collect.removeVehicle() to remove the vehicle.

5. Show "Program Exiting."
6. Show "Thank you for using jay's cars collection."