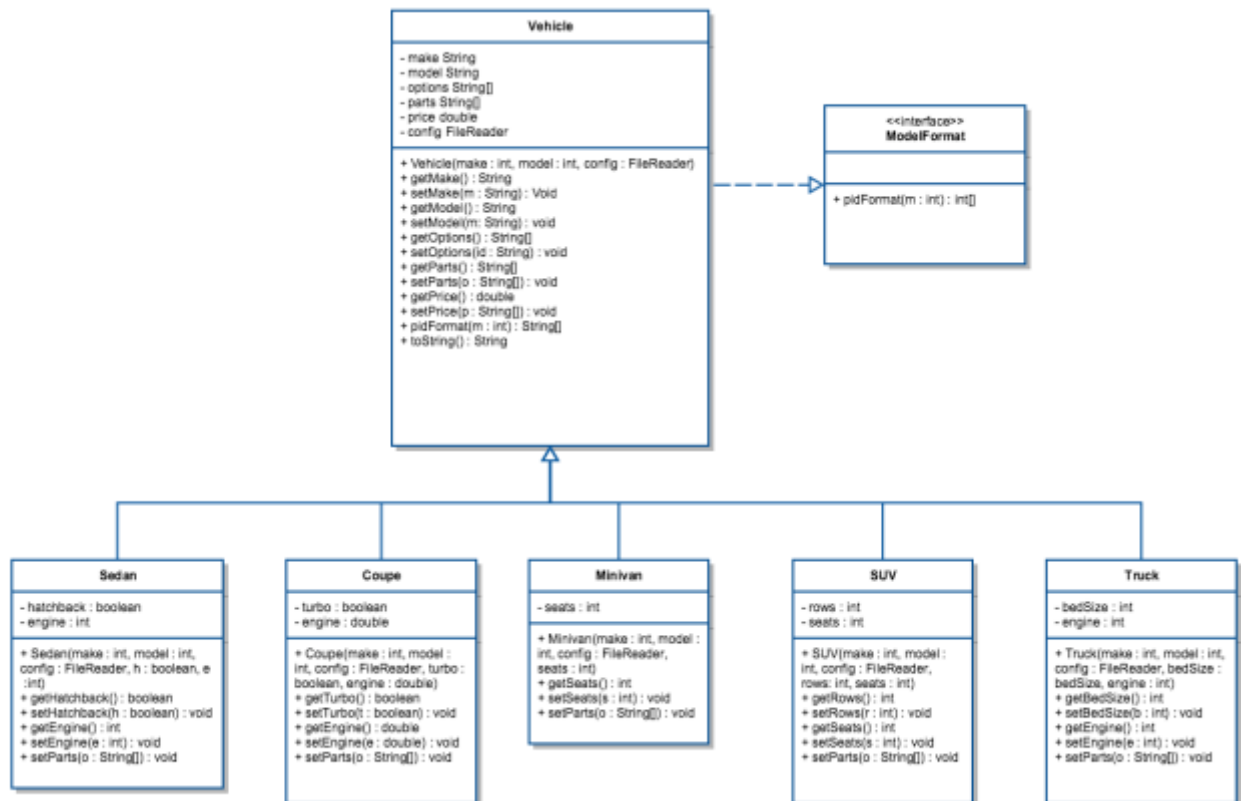# Welcome to AnyCar Manufacturing Plant

Dear Student,

Things could not be going better we are processing so many orders using your application it is great. We need your help though; the users tend to fat finger some inputs. When this happen your beautiful application just dies and we must start all over again. Can you create an Exception java file for your application so even if the user fat fingers the input your application can still work? The Exception file should consist of all possible Exceptions that could arise within your application, then notify the user of the issue, and redirect back to the prompt. If you have any questions please let me know.

Thank you,
Your Supervisor
AnyCar
Manufacturing Technical Manager

Application Requirements

Update all files from Lab 2 to contain the proper try-catch identifying improper user input. Each try-catch must have the Exception corresponding to AnyCarException.java file and should have a final catch be the catch all `Exception`. The application must identify the Exception, inform the user of the issue, and call `request()` within AnyCarManufactor.java.

AnyCarException.java

AnyCarException file will contain all the custom Exceptions specific for AnyCar Manufacturing Application.

StringException:
Description: If user input contains anything other than integers.

Output: "Input must contain only numbers not letters."

MakeNotFoundException:
Description: If car make ID is not defined

Output: "Vehicle company not found."

MakeFormatException:
Description: If the input pid length does not match the Car company's length EX: ThisCar 12 digit pid

Output: "The Car's Product ID must have a length of " + PID Length + " numbers"

ModelNotFoundException:
Description: Vehicle model does not exist.

Output: "Model ID: " + input Id + " does not exist for " + Car Company + "."

OptionNotFoundException:
Description: Option id does not exist within option index EX: 3 for Powertrain only digits 1 and 2 exist and 0 means None

Output: "Option ID: " + input id + " does not exist for option: " + option + " only options available are: " + list of available options for option category (ex: Powertrain: automatic, manual")

SedanOptionsException:
Description: Exception if option specific to Sedan's does not exist EX: Hatchback with V10 motor

Output: "Sedan option: " + option specific to sedan + " is not available only available options are: " + List available options for specific for sedans

CoupeOptionsException:

Description: Exception if option specific to Coupe's does not exist EX: Turbo with 10.0 motor

Output: "Coupe option: " + option specific to coupe + " is not available only available options are: " + List available options for specific for coupe

MinivanOptionsException:

Description: Exception if option specific to Minivan's does not exist EX: 500 seats

Output: "Minivan option: " + option specific to minivan + " is not available only available options are: " + List available options for specific for Minivan

SUVOptionsException:

Description: Exception if option specific to SUV's does not exist EX: 10 rows with 2 seats

Output: "SUV option: " + option specific to suv + " is not available only available options are: " + List available options for specific for suv

TruckOptionsException

Description: Exception if option specific to Truck's does not exist EX: 100ft Bed with V10 motor

Output: "Truck option: " + option specific to truck + " is not available only available options are: " + List available options for specific for truck