Workshop Test

Objectives:

- Try to pass the failing test in less than **3 hours**.
- **Clean code** is important, please take care of the structure of your code. We prefer to see your code style to a full passing test with dirty code.
- **Enjoy**.

Problem:

There are three kinds of vehicles that come to the workshop: Cars, bikes and trucks. All the vehicles have common data:

- Plate number
- Model
- Current kilometers
- Owner (FirstName, LastName, PhoneNumber)
- Status: Waiting, InProgress, Done

The cars also have:

- ParkedOn

And the trucks:

- ParkedOn
- Weight
- Height

The workshop has currently the **data in CSV** because they export that from Excel The **initial** status of the vehicles is **waiting**

The work areas: A workshop can have a undeterminated amount of work areas. The vehicles are sent to the work areas to the work area repair queue (each vehicle in queue is in progress). When a work area do work, do work to the first vehicle on queue. When vehicle repaired is called, the vehicle will be poped out from the queue and the status will be repaired.

The billing programs: Each workarea uses its own billing program. The programs are provided in the com.thirdparty.billing package. You are not allowed to edit this code because its supposed to be a external library. When you add a workarea to the workshop a billing program can be specified (also can

be null). You can modify the third parameter of addArea and use the class that you want instead of "Object".

Go to the test class to see the rest of the instructions. You can find it in the source in the test folder (com.greengrowapps.WorkshopTest). These test cases must be passed. Please read carefully all the cases and think and organize yout mind before start coding.

Hints: If you need to throw exceptions, you can use RuntimeException to avoid add "throws" to each method

To run the tests execute in the project folder ""./gradlew test" or ""./gradlew.dat test" in windows. You also can right click over the test class and execute the tests in eclipse and IntelliJ.

We recomend to use InteliJ Idea or Eclipse to work with the project. To import choose gradle based project.