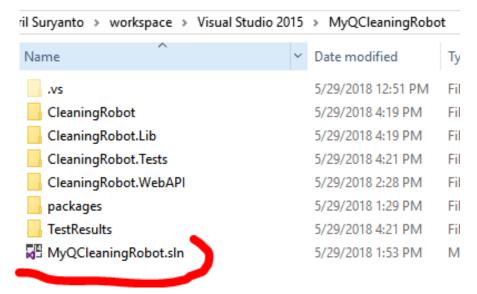
## **MyQ Cleaning Robot Task**

## Instruction:

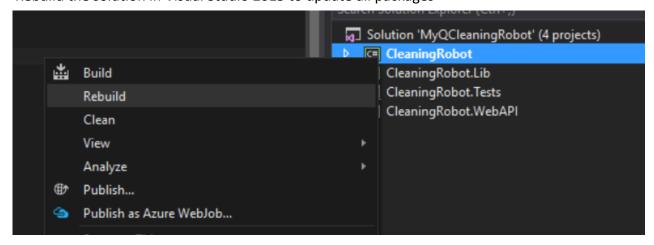
I develop this console app using Visual Studio 2015 and framework 4.5.2.

You can get this project in my Git repository. My git repository link of this app is <a href="https://github.com/syaprilahshar/CleaningRobot">https://github.com/syaprilahshar/CleaningRobot</a>

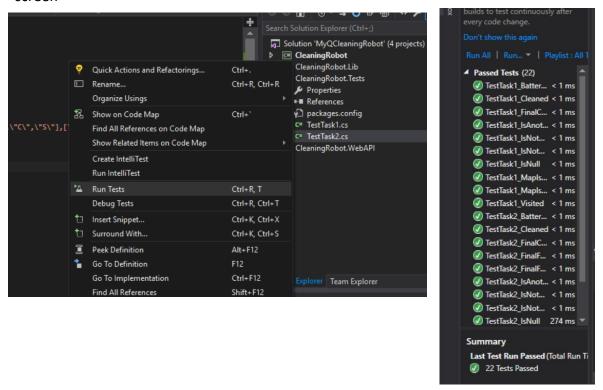
Open the solution (named MyQCleaningRobot.sln) located in the folder root:



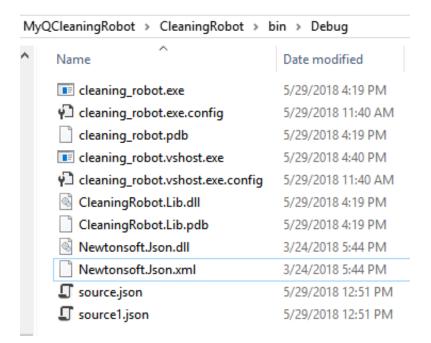
Rebuild the solution in Visual Studio 2015 to update all packages



Execute the unit test to see how I test my code and you can found the result at the left of your screen



Open the command line to execute the app in the folder ~\CleaningRobot\bin\Debug



And execute the following line:

## cleaning\_robot source.json result.json

```
C:\Users\syapr\workspace\Visual Studio 2015\MyQCleaningRobot\CleaningRobot\bin\Debug>cleaning_robot source.json result.json
Initialize request...
Start engine...
RUN!

...
RObot is running...
...
...
Generating result file
Stop Engine...
Done!
Note: you can found the result file in the same folder/path with this robot.
Thank you!

C:\Users\syapr\workspace\Visual Studio 2015\MyQCleaningRobot\CleaningRobot\bin\Debug>
```

The result file result.json you can found in the same forder/path of the app, and the result file should be like this:

I also add web API project using NET Core, I add one controller and add some method to show you how I develop rest API using following return model:

The output model contains status, data, and message. The status is string, why? Because I think it can be success, error, failed, verify, or others flag.