Java MQTT Light smart app

Small app designed to turn on the light with the pc waking up, and turn it off when pc will be shut down,

Sound simple

Things to overcome

- mqtt handling sending messages
 Pacho mqtt class generates a lot of lck garbage folders.
- swing tray handling
- swing timer to delay button call
- swing gui form Design
- swing preventing app shutdown

ngtt Paho client to avoid lch files

gust, add null in MQTT Clent class call.

App Shutdown Call()

1. Create men Tread

Timed a = new Thread (()-7 3 southing \$);

2. Add Shutdown hoole

Rentime. get Runtime(), add ShutsbownHodi(a)

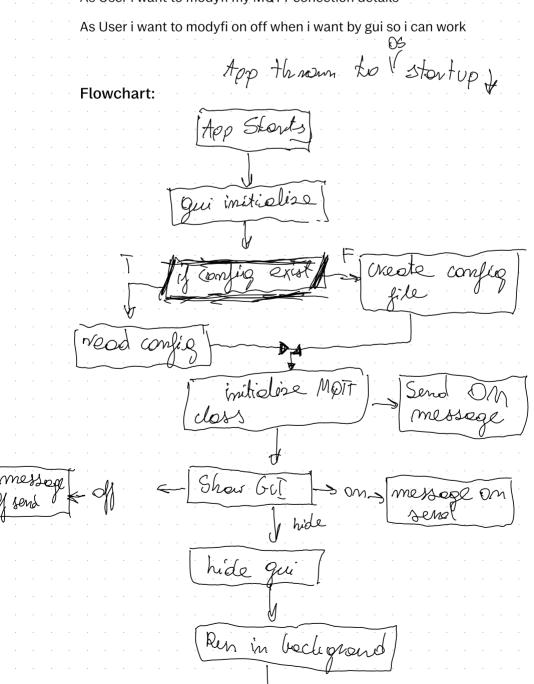
I know that those stories should go other way around but in this example app was done first then i wrote those just to practise a litle bit.

User Stories:

As User i want to automatically have my light on when i turn on pc so i can see

As User i want to turn off the light automatically when i turn off pc so i can go to bed

As User i want to modyfi my MQTT conection details



What do i learned

Creating jar file with the maven and maven structure of clean, compile, package. As well ass assembly with files.

I've refreshed a bit swing, and learned a bit how Tray works.

Also really nice thing was getting getting to know how Properties works and solving the problem with properties when app is packed into jar.

Terminating application and attaching an task on application exit.

Fixing config file inside JAR

V 1. Doy nouve config file outside Jar

Looks like resources inside a jar-file are read only. So if we want to store our config will be best to create the file outside the jar then act acording to it.

Under no arcumstances you can write

veod inside resources les

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adol reserves NO

App folder System.getProperty("user.dir");

lework a bit the app config

Tile Outpeut Stream >

File Imput Stream

To him it use our BAT & jove - for epp ja