Welcome to device-gui-test [Android] for BudgetBox 👋

`version` `1.0.0`

> using python and Appium to test custom Android apps

Dependencies

- JDK 8+

- sdk-tools Command lines tools only

- python 3.7.6+

- Works on Android 5.0+

- Windows, Linux or Mac OS

Install

- Linux install
- OS X install

```
git clone http://srv-oxe-gitlab/budgetbox/connected-shopper/test/device-gui-
test.git
pip install -r requirements.txt
npm install -g appium
npm install -g appium-doctor
```

Run appium-doctor to see what dependencies you need to setup for appium

```
appium-doctor --android
```

For troubleshouting, I'm inviting you to visit this.

Config

- To use this, you need to configure the parameters of the android device you're testing in
  `config/settings.json`.

```
{
  "platformVersion": "<OS_VERSION>",
  "deviceName": "<DEVICE_NAME>",
```

```
        "udid": "<UDID>"
    }
```

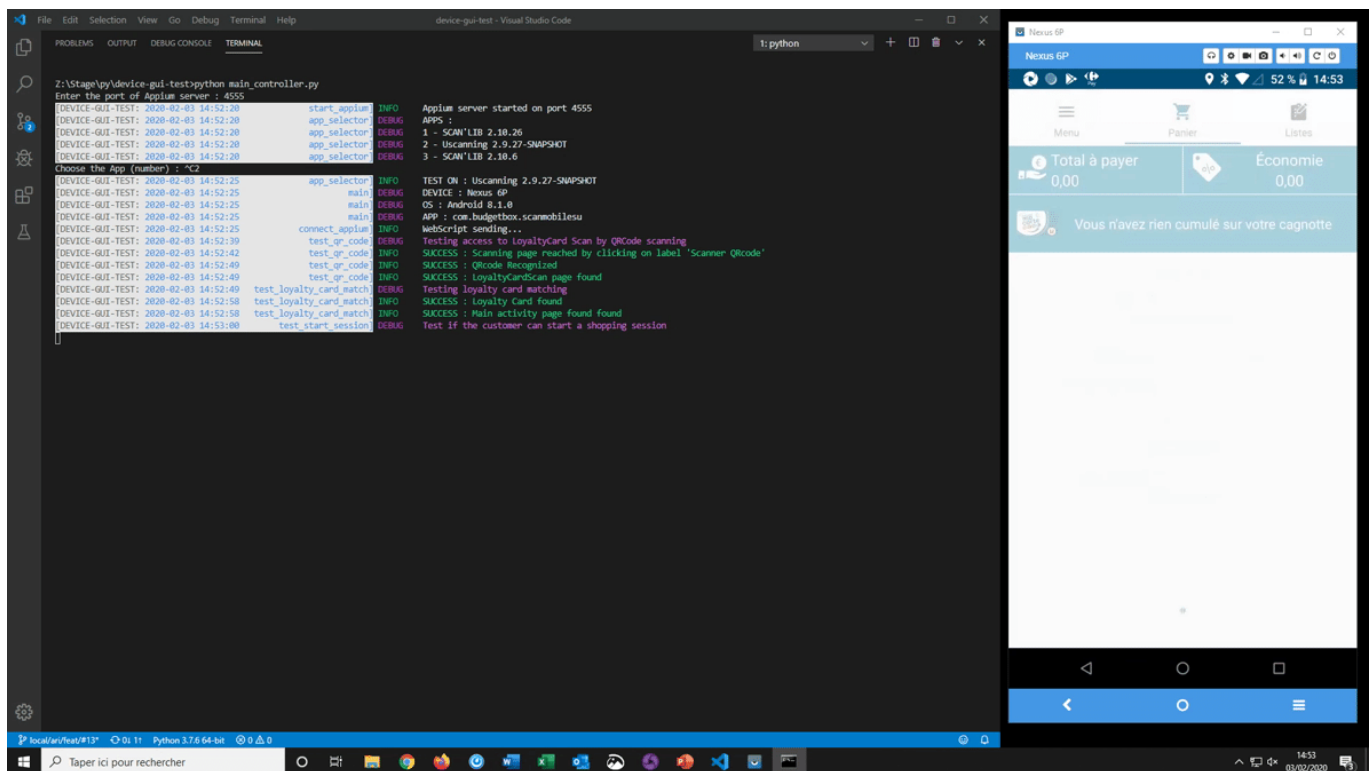How to find these settings

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Usage

Default command :

```
python regression.py <APP_PACKAGE> <DEVICE_TYPE>
```

- Display help : `python regression.py -h`
- Specify the appium server port : `-port [PORT]`
- Specify the script mode : `-mode [MODE]`

Demo

What's next ?

> *device-gui-test may evolve to increase possibilities and efficiency*
>
> - Rising bugs in Jira using Jira's bugtracker API
> - Sending mails to CS Team when an issue is detected
> - Generating HTML Reports
> - Making a full trip on PSS'BB Terminals
> - Increasing the numbers of application supported
> - Virtual testing with multiple temporary emulators having different OS

- Using an external REST API to retrieve data
  - `TestMarkets` (address, brand name, encoded qrcode)
  - `TestClients` (name, loyalty card number)
  - `TestProducts` (name, price, brand name, encoded barcode)
  - `Capabilities` (device settings, mobile app settings)
  - Deleting mocks
- device-gui-test integration in Jenkins pipelines
- Containerization of regression tests
- Optimized timing between tests

Value added

1. Is Automated Testing worth it ?
2. Why my tests should be automated ?

Author

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Help

YouTube guide : Appium Beginner Tutorial