

TVVS - Capture and Replay

Exercises

To start testing, all you need to do is go to a terminal (sudo on Linux or MacOS) or command console (with administrator permissions), and run:

```
pip install flask
```

After that, navigate to the CalculatorWeb directory and run:

```
python ex#.py
```

If nothing fails, then your web server is setup! There's a specific server for each exercise, each using different files.

Leave the terminal or console running in the background, we will need it for the test! By default, Flask (the technology we use for the web server) sets up a connection on localhost, port 5000. We need this address for when we startup Selenium IDE.

After install the extension or add-on, activate it by clicking on it's icon in the browser's top bar. A new window will pop up with the IDE.

Important Note: After you alter any HTML file, you need to restart the web server. Simply close that connection, and re-run the command.

Exercise 1:

First, we'll start with an easy one! There's a sneaky error in the code that slipped through the cracks of the tests. **Without looking at the code**, figure out what it is, create or modify an existing test that fails because of the error, and only then fix it.

To start this exercise, type in terminal / console:

```
python ex1.py
```

Exercise 2:

Another error that remains untested, but this one is even sneakier. Test out the GUI (**again, no peeking at the code!**), find out what's wrong, create a new test to showcase it failing, and then fix the error.

To start this exercise, type in terminal / console:

```
python ex2.py
```

Exercise 3:

We saved the sneakiest of errors for last... There are not only one, but two errors in the code! Both of them pass the tests, so good luck figuring them out! **No looking at the code**, that spoils all the fun!

When you spot them, create a test to prevent all possible errors of that type to happen, and then fix the bug.

To start this exercise, type in terminal / console:

```
python ex3.py
```