

# Welcome to E Commerce Website Testing

## ***Set Up The Framework:***

### **1.Important things:**

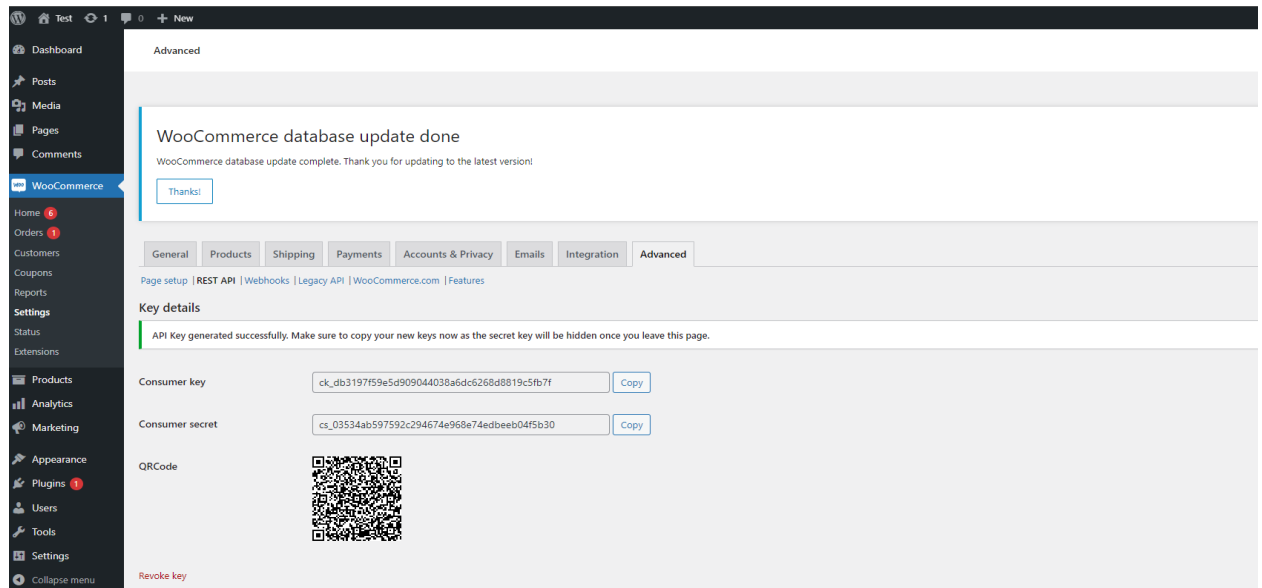
- The project supports only chrome.
- The project supports only WordPress sites.
- You must install WooCommerce in your WordPress through the plugins.
- Check your browser version for the web driver. (Version 107 included in the project)
- If your using Local to run WordPress locally you will need to fill the port option.

### **Must do in WordPress :**

- 1) Download the zip file from [here](#) if u run WordPress locally.
- 2) Pull the sample\_products.xml from the zip then Go back to WordPress: Tools -> WordPress -> install -> run Importer -> choose file -> provide the location of the XML file.
- 3) Settings -> reading -> click on A static page ->change homepage to shop
- 4) Settings -> general -> check Anyone can register.
- 5) WooCommerce -> settings -> Accounts & Privacy -> “Guest checkout” check all, “Account Creation” check all but the last one.
- 6) Must create coupon code: marketing -> coupon (coupon type percentage discount)

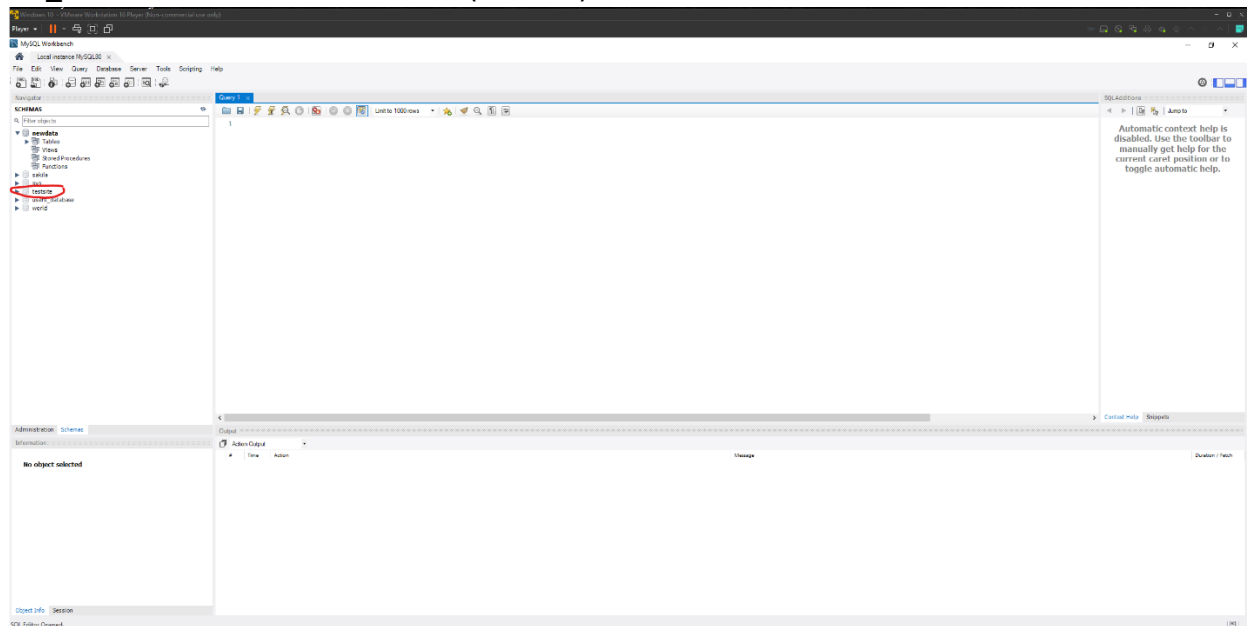
### **2.set up the Credantials.ps1:**

- WC\_KEY – WordPress public key
- WC\_SECRET – WordPress secret key



\*NOTE: im using MYSQL.

- DB\_USER – Database Login Name (default root)
- DB\_PASSWORD - Database Password (default root)
- DB\_SERVER – Database Host(default localhost, if you're using VMware for DB you will need to provide the IP of the iso.)
- DB\_NAME – Database Table Name.(Schema)



- SELPATH – Selenium Driver Path. ([click here](#) or you can set up manually)
- ENVSEL – The URL of the site.
- COUPON – the name of your coupon.
- PORT = the port you're using to run WordPress Database. (optional)


### 3.Set up The Testing Environment:

1) Create python virtual environment:

1.1) pip install virtualenv

1.2) py -m venv {Name for your virtual environment.}

1.3) open IDE make the virtual environment as main virtual environment.

\*)PyCharm – file -> settings -> Project -> python interpreter ->  -> add -> new environment -> click on Location -> paste you're python.exe path

1.4) activate your virtual environment.

1.5) install/develop setup.py, command: python setup.py install.

### 4. Set Up The Selenium Path:

1) copy the chrome driver.exe to the “front” folder.

1.1) execute the getpath.py.

1.2) copy the path you got in the terminal to **Credantials** (SELPATH=” whatever path you have copied”). ( sh,ps1,bat)

### 5.Testing Section:

BackEnd Section:

Commands:

- tcid stands for – test case id.
- tcidc stands for – test case id for customers.
- tcidp stands for – test case id for products.
- tcido stands for – test case id for orders.
- customers – pytest -m customers. (Run all the costumer tests)
- products – pytest -m products. (Run all the product tests.)
- orders – pytest -m orders. (Run all the orders tests)

Selenium Section:

- tcids stands for – test case id for selenium.

Run all tests - pytest

**\*) check the table below for every test and for its id.**

Section	ID	Type	COMMAND	FunctionName
BACKEND	tcidc1	customers	Pytest -m tcidc1	<code>test_create_customer_only_email_password():</code>
BACKEND	tcidc2	customers	Pytest -m tcidc2	<code>test_create_customer_fail_for_existing_email():</code>
BACKEND	tcidc3	customers	Pytest -m tcidc3	<code>test_get_all_customers():</code>
BACKEND	tcidp1	products	Pytest -m tcidp1	<code>test_list_all_products():</code>
BACKEND	tcidp2	products	Pytest -m tcidp2	<code>test_list_product_with_specific_id():</code>
BACKEND	tcidp3	products	Pytest -m tcidp3	<code>test_create_single_product():</code>
BACKEND	tcido1	Orders	Pytest -m tcido1	<code>test_create_paid_order_guest_user(random_product_setup):</code>
BACKEND	tcido2	Orders	Pytest -m tcido2	<code>test_create_paid_order_new_customer(random_product_setup)::</code>
FRONTEND	tcids1	Smoke	Pytest -m tcids1	<code>test_login_none_existin_user(self):</code>
FRONTEND	tcids2	Smoke	Pytest -m tcids2	<code>test_register_new_user(self):</code>
FRONTEND	tcids3	Smoke	Pytest -m tcids3	<code>test_register_new_user_failed(self):</code>
FRONTEND	tcids4	End to end	Pytest -m tcids4	<code>test_end to end checkout_guest_user(self)</code>

- if you would like to add more tests here the docs.
- <https://woocommerce.github.io/woocommerce-rest-api-docs/#introduction>

Docker Section:

### Must update the Credentials:

1. DB\_SERVER = "host.docker.internal"
  2. ENVSEL = internal IP Address/portnumber(which port your'e using to run WordPress locally , mamp default =8888, local default=10005)
  3. Go to WordPress -> settings -> general -> replace the URL with ipv4 instead of localhost so docker can interact with it.
- Make sure you're on the root folder (the folder where the docker file exists) or provide the path of your Docker file instead of the dot in the first step.
  - I'm copying the Credentials manually you can skip step 3 and 4 just by adding to your Docker file "COPY ./ Credentials.sh /automation" **without the quotes**. (Linux Containers, with windows container you copy the ps1 or bat file)
  - You can do a lot of more things with docker like mount, run test outside etc .. navigate to the URL below to learn about docker.
  - [Docker Official Site.](#)

### Linux Section (Container) - inside the container:

1. docker build -t automation • (pay attention to the dot)
2. docker run -it automation /bin/bash
3. open new terminal (don't close the first one)-> docker ps \_> copy the name of the container
4. run this command:  
docker cp Credentials.sh {the name you've copied}:/automation
5. go back to the first terminal.
6. Source Credentials.sh
7. Pytest (without report)
8. Pytest --html=report.html --self-contained-html (with report inside the container if you need to report outside the container you will need to mount the folder).

Now you can run the tests the way you want.

### Windows Section (Container) - inside the container:

- All the steps are the same but the second step.(without the add command if you're using windows) **/bin/sh** replace it with /cmd.exe or /powershell.exe .
- Step5: execute the ps1 or bat file.(powershell = . ./Credantials.ps1, bat= type the name of the file into the command line, or use "call Credantials.bat")
- Step 7 & 8 are the same