Basic Programming

1. The data types that are usually used in arithmetic operations are integer and float.
2. The data types that are usually used in word and character is string.
3. The output is 113.
4. The output is 2.
5. The output is 3566GoldenStreetMiami.

Flaky Test

1. Flaky test is a test which could fail or pass with the same code/configuration.
2. a. Inspect the element

   b. DevTools will open. For finding the elements, use the Elements tab

   c. Click the “select” tool in the upper-left corner of the DevTools pane.

   d. Specify & write the locator query that uniquely identifies the target element

   e. Then run the test case to test the element
3. a. Ensure that the system accepts valid CAPTCHA.

   b. Ensure that the system rejects the invalid CAPTCHA.

   c. Ensure that the CAPTCHA code resets as the website reloads.

   d. Ensure that the CAPTCHA changes as the user enters wrong value.

   e. Ensure that the code in the Image CAPTCHA is viewable.

   f. Ensure the readability of the CAPTCHA.

   g. Ensure that the captcha is case sensitive.

   h. Ensure that the user receives new CAPTCHA on clicking the link "Get a new CAPTCHA".

Essay Question Topic

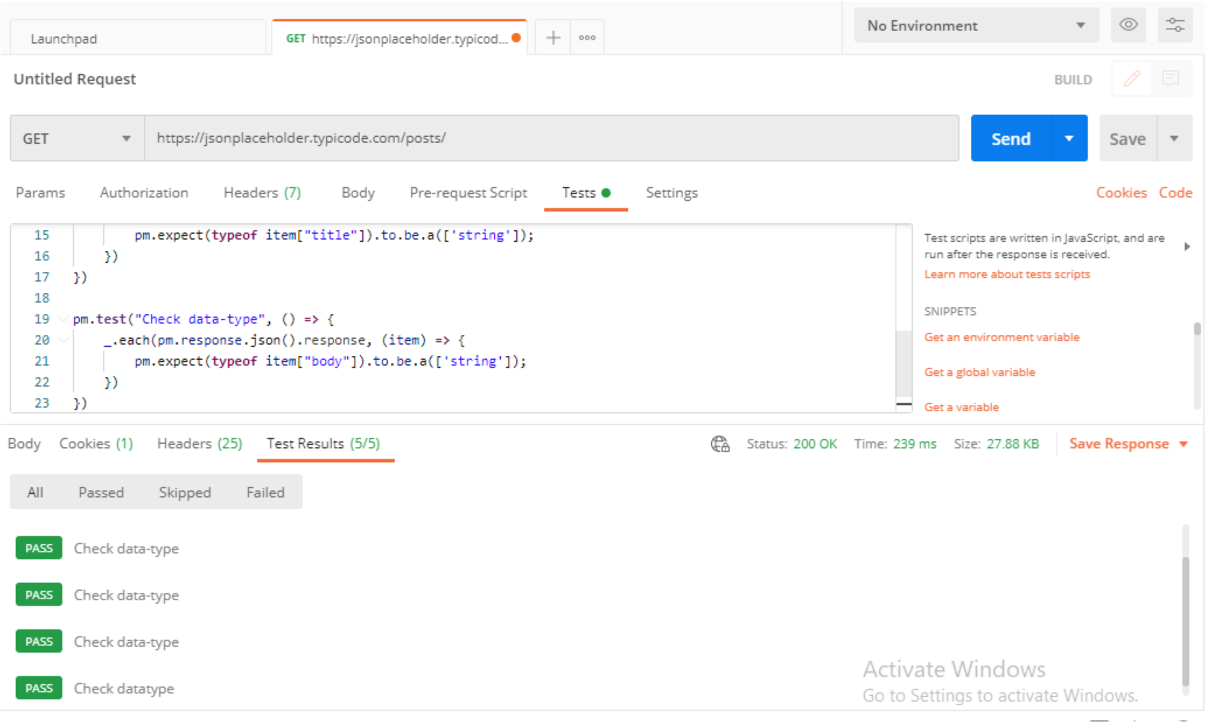
1. a. Automation test script using postman :

```
pm.test("Check data-type", () => {
    _.each(pm.response.json().response, (item) => {
        pm.expect(typeof item["userId"]).to.be.a(['integer']);
    })
})

pm.test("Check data-type", () => {
    _.each(pm.response.json().response, (item) => {
        pm.expect(typeof item["id"]).to.be.a(['integer']);
    })
})

pm.test("Check data-type", () => {
    _.each(pm.response.json().response, (item) => {
        pm.expect(typeof item["title"]).to.be.a(['string']);
    })
})

pm.test("Check data-type", () => {
    _.each(pm.response.json().response, (item) => {
        pm.expect(typeof item["body"]).to.be.a(['string']);
    })
})
```



Untitled Request

GET https://jsonplaceholder.typicode.com/posts/

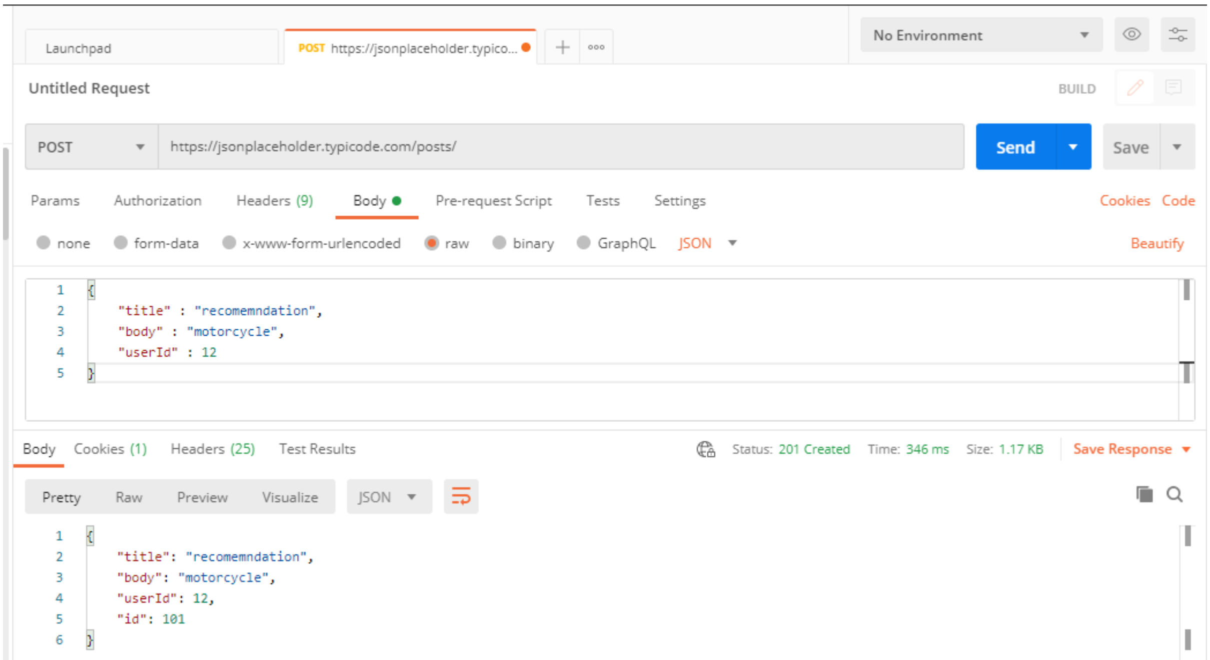
```
        pm.expect(typeof item["title"]).to.be.a(['string']);
    })
})

pm.test("Check data-type", () => {
    _.each(pm.response.json().response, (item) => {
        pm.expect(typeof item["body"]).to.be.a(['string']);
    })
})
```

Status: 200 OK Time: 239 ms Size: 27.88 KB

```
PASS Check data-type
PASS Check data-type
PASS Check data-type
PASS Check datatype
```

b. POST



Untitled Request

POST https://jsonplaceholder.typicode.com/posts/

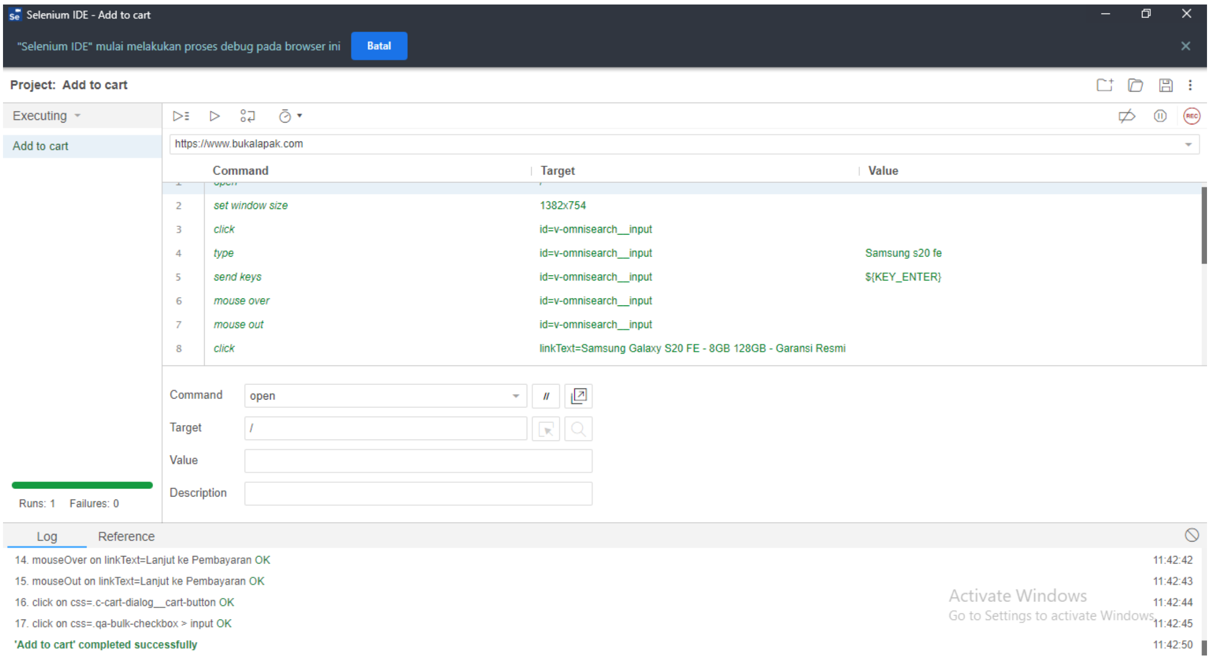
```
{
    "title" : "recomemndation",
    "body" : "motorcycle",
    "userId" : 12
}
```

Status: 201 Created Time: 346 ms Size: 1.17 KB

```
{
    "title": "recomemndation",
    "body": "motorcycle",
    "userId": 12,
    "id": 101
}
```

2. Automation test script : Add to cart using selenium

a. Selenium project test Add to cart



Selenium IDE - Add to cart
"Selenium IDE" mulai melakukan proses debug pada browser ini
Batal
Executing
REC

Project: Add to cart

Add to cart

https://www.bukalapak.com

	Command	Target	Value
1	open	/	
2	set window size	1382x754	
3	click	id=v-omnisearch__input	
4	type	id=v-omnisearch__input	Samsung s20 fe
5	send keys	id=v-omnisearch__input	${KEY_ENTER}
6	mouse over	id=v-omnisearch__input	
7	mouse out	id=v-omnisearch__input	
8	click	linkText=Samsung Galaxy S20 FE - 8GB 128GB - Garansi Resmi	

Command: open

Target: /

Value:

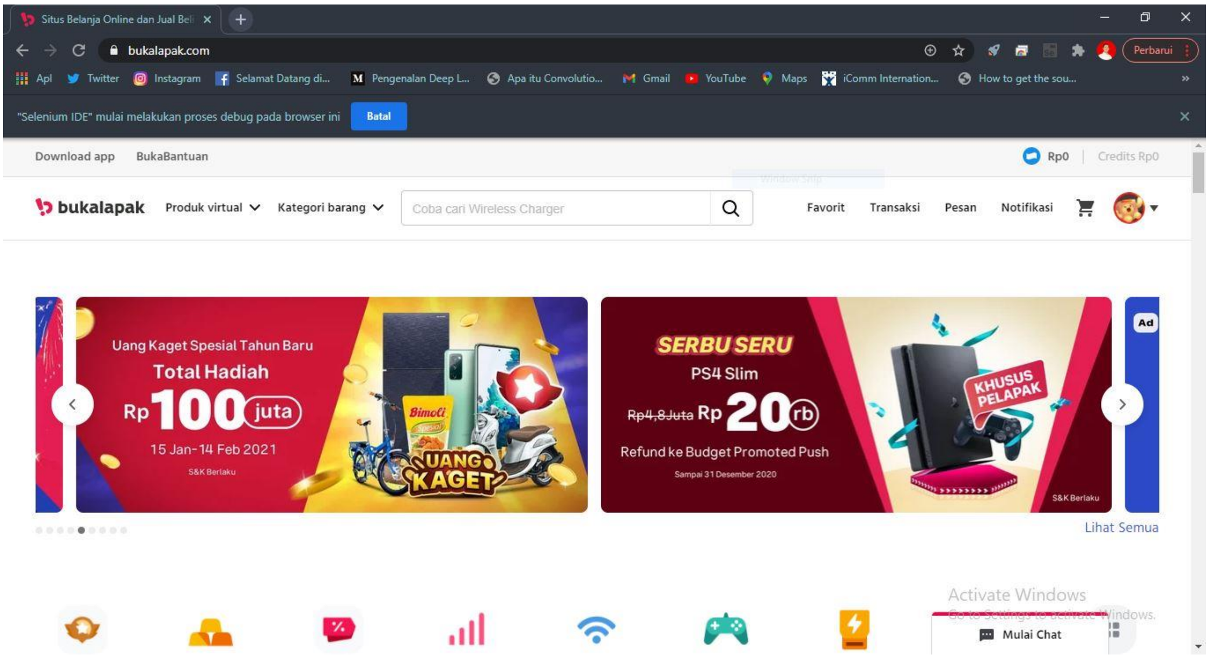
Description:

Runs: 1 Failures: 0

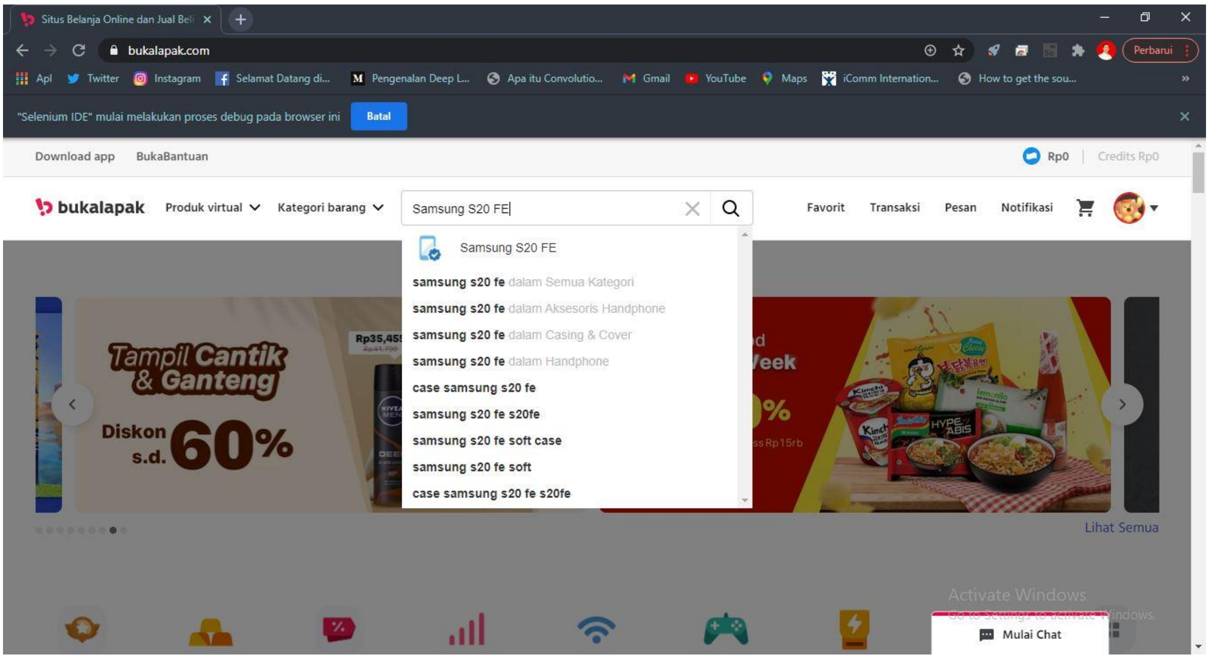
Log Reference

```
14. mouseOver on linkText=Lanjut ke Pembayaran OK                11:42:42
15. mouseOut on linkText=Lanjut ke Pembayaran OK                 11:42:43
16. click on css=.c-cart-dialog__cart-button OK                  11:42:44
17. click on css=.qa-bulk-checkbox > input OK                    11:42:45
'Add to cart' completed successfully                             11:42:50
```

b. Homepage BukaLapak website



c. Search input

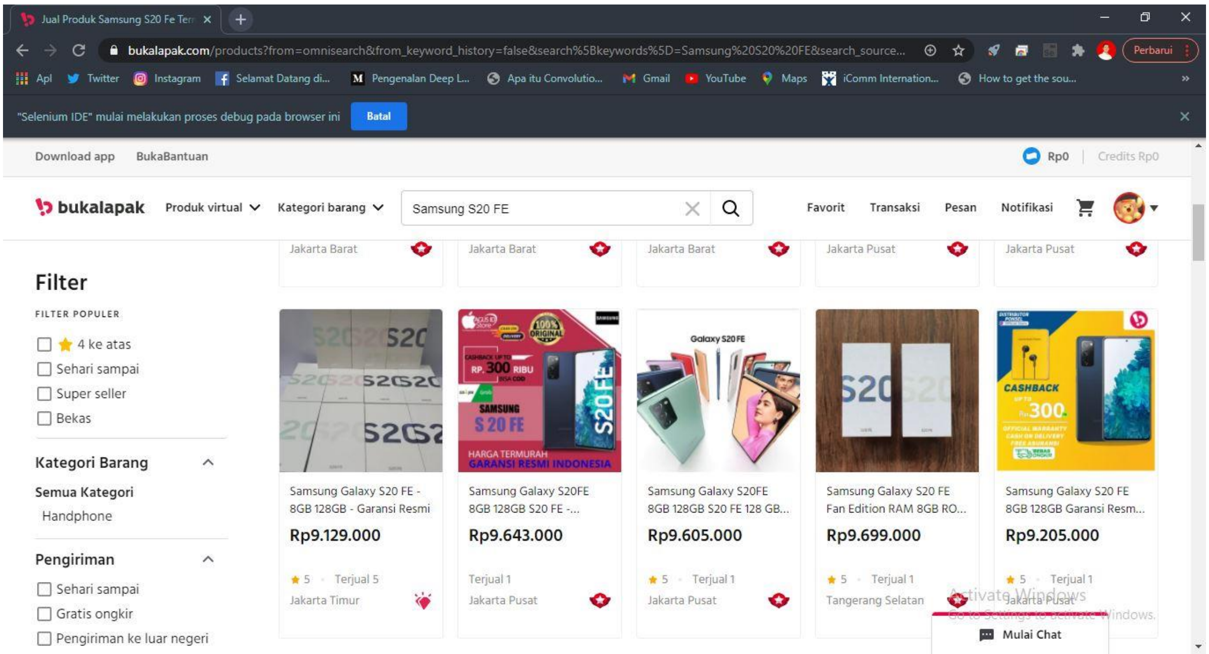


"Selenium IDE" mulai melakukan proses debug pada browser ini

Samsung S20 FE

Samsung S20 FE
samsung s20 fe dalam Semua Kategori
samsung s20 fe dalam Aksesoris Handphone
samsung s20 fe dalam Casing & Cover
samsung s20 fe dalam Handphone
case samsung s20 fe
samsung s20 fe s20fe
samsung s20 fe soft case
samsung s20 fe soft
case samsung s20 fe s20fe

d. Search result



bukalapak.com/products?from=omnisearch&from_keyword_history=false&search%5Bkeywords%5D=Samsung%20S20%20FE&search_source...

"Selenium IDE" mulai melakukan proses debug pada browser ini

Samsung S20 FE

Filter

FILTER POPULER
□ 4 ke atas
□ Sehari sampai
□ Super seller
□ Bekas

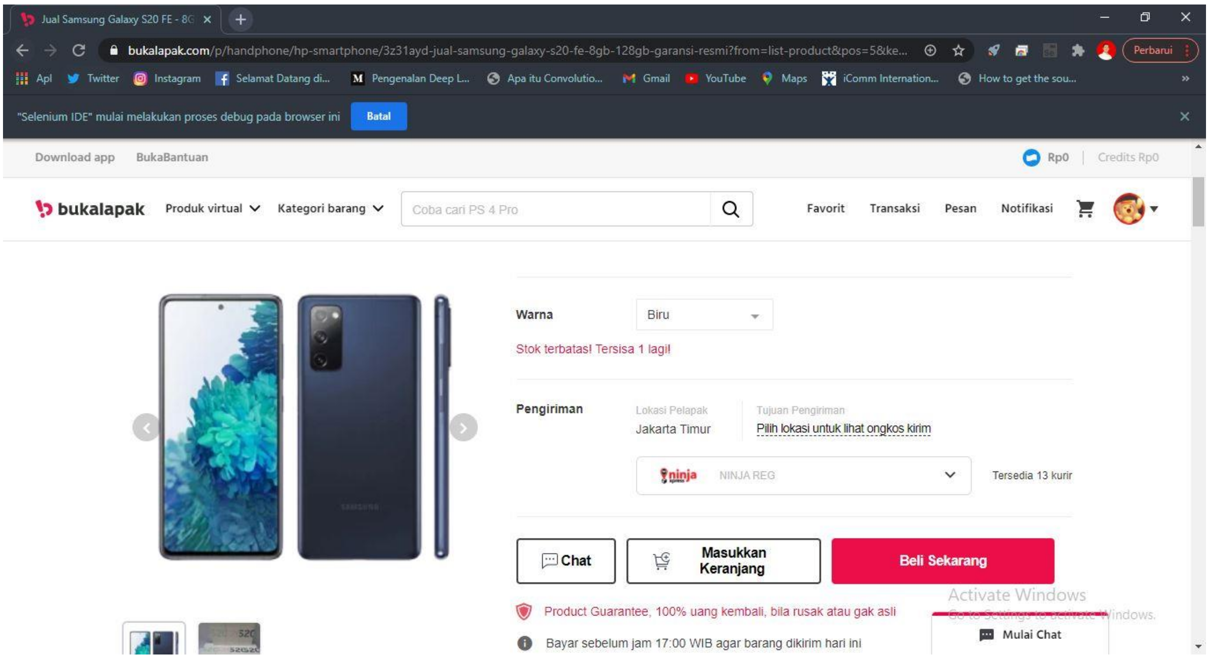
Kategori Barang
Semua Kategori
Handphone

Pengiriman
□ Sehari sampai
□ Gratis ongkir
□ Pengiriman ke luar negeri

Jakarta Barat | Jakarta Barat | Jakarta Barat | Jakarta Pusat | Jakarta Pusat

Produk	Harga	Rating / Terjual	Lokasi
Samsung Galaxy S20 FE - 8GB 128GB - Garansi Resmi	Rp9.129.000	5 · Terjual 5	Jakarta Timur
Samsung Galaxy S20FE 8GB 128GB S20 FE -...	Rp9.643.000	Terjual 1	Jakarta Pusat
Samsung Galaxy S20FE 8GB 128GB S20 FE 128 GB...	Rp9.605.000	5 · Terjual 1	Jakarta Pusat
Samsung Galaxy S20 FE Fan Edition RAM 8GB RO...	Rp9.699.000	5 · Terjual 1	Tangerang Selatan
Samsung Galaxy S20 FE 8GB 128GB Garansi Resm...	Rp9.205.000	5 · Terjual 1	Jakarta Pusat

e. Product detail



"Selenium IDE" mulai melakukan proses debug pada browser ini

Warna: Biru

Stok terbatas! Tersisa 1 lagi!

Pengiriman

Lokasi Pelapak: Jakarta Timur

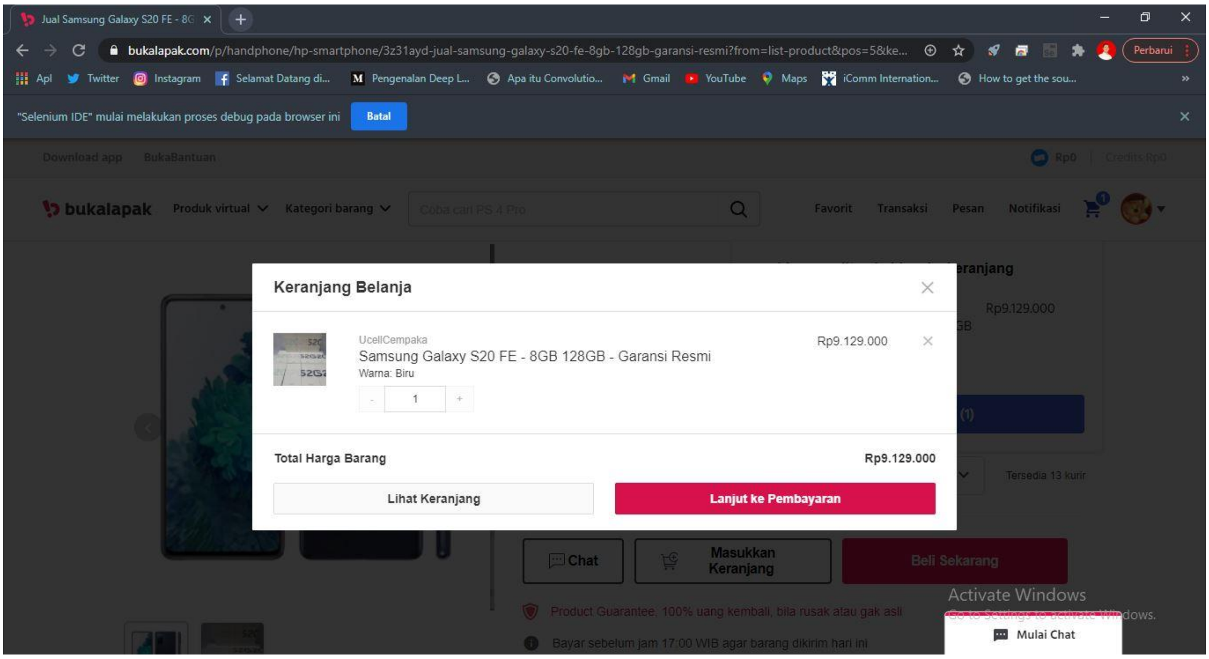
Tujuan Pengiriman: Pilih lokasi untuk lihat ongkos kirim

NINJA REG — Tersedia 13 kurir

Product Guarantee, 100% uang kembali, bila rusak atau gak asli

Bayar sebelum jam 17:00 WIB agar barang dikirim hari ini

f. Add to cart



"Selenium IDE" mulai melakukan proses debug pada browser ini

Keranjang Belanja

UcellCempaka
Samsung Galaxy S20 FE - 8GB 128GB - Garansi Resmi
Warna: Biru
Rp9.129.000
Jumlah: 1

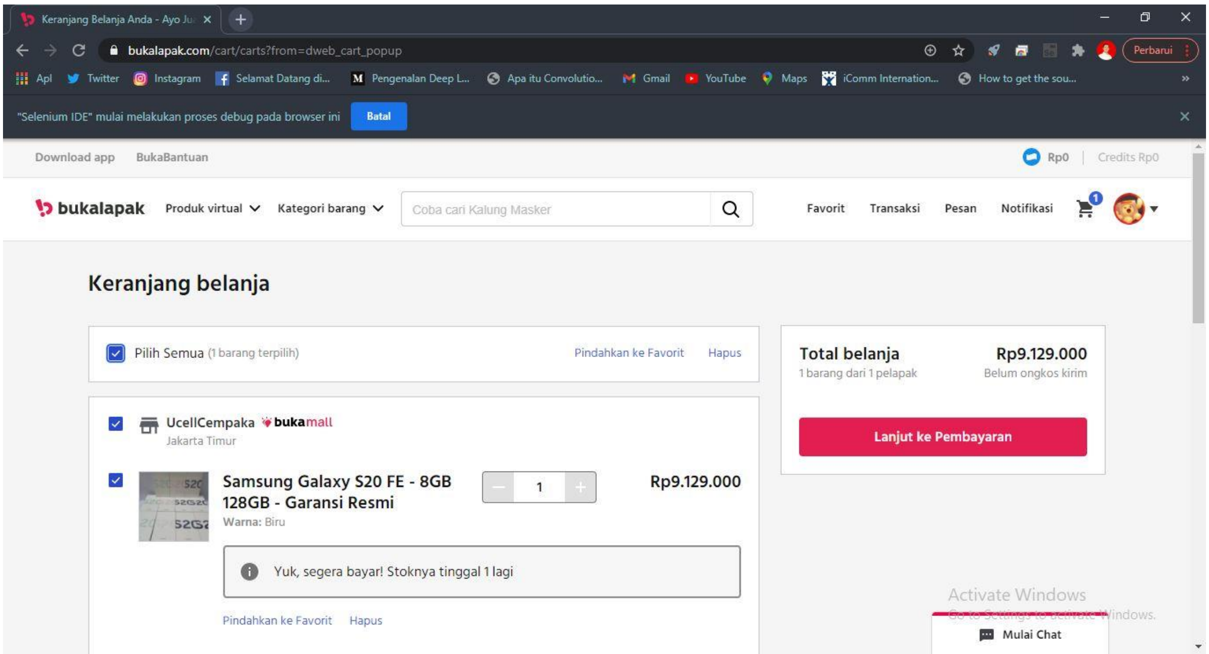
Total Harga Barang: Rp9.129.000

Lihat Keranjang | Lanjut ke Pembayaran

Product Guarantee, 100% uang kembali, bila rusak atau gak asli

Bayar sebelum jam 17:00 WIB agar barang dikirim hari ini

g. Cart page



"Selenium IDE" mulai melakukan proses debug pada browser ini **Batal**

Coba cari Kalung Masker

Keranjang belanja

☑ Pilih Semua (1 barang terpilih) Pindahkan ke Favorit Hapus

☑ UcellCempaka bukamall
Jakarta Timur

☑ Samsung Galaxy S20 FE - 8GB 128GB - Garansi Resmi
Warna: Biru
1
Rp9.129.000

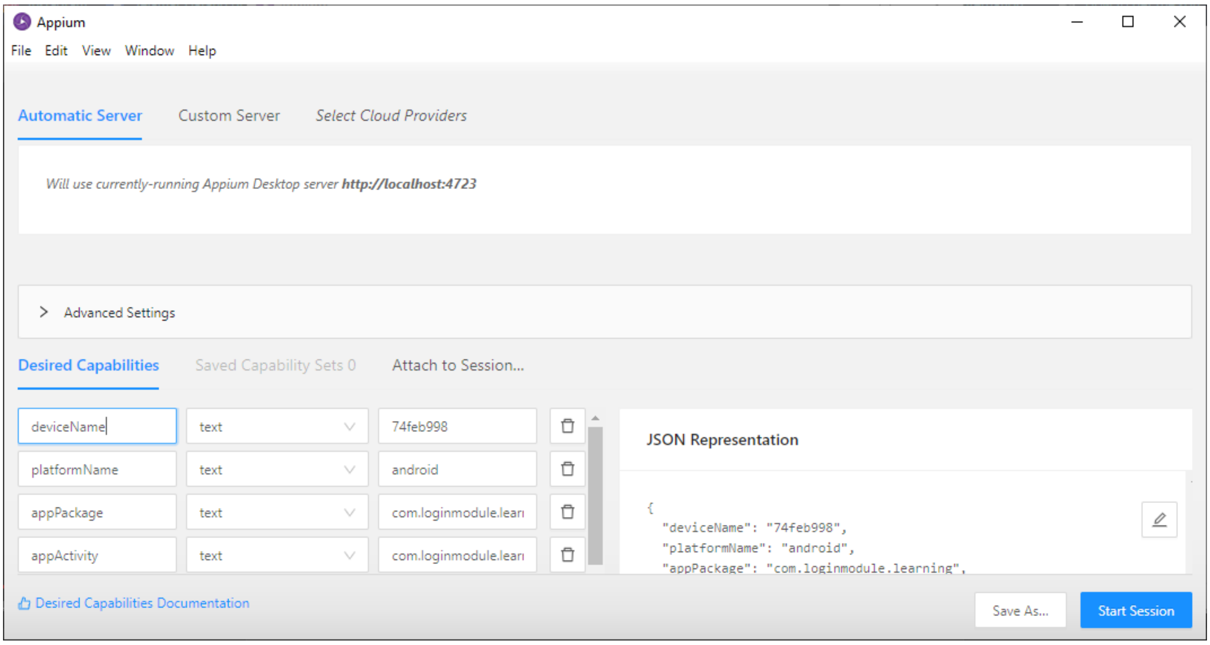
Yuk, segera bayar! Stoknya tinggal 1 lagi

Pindahkan ke Favorit Hapus

Total belanja Rp9.129.000
1 barang dari 1 pelapak Belum ongkos kirim

Lanjut ke Pembayaran

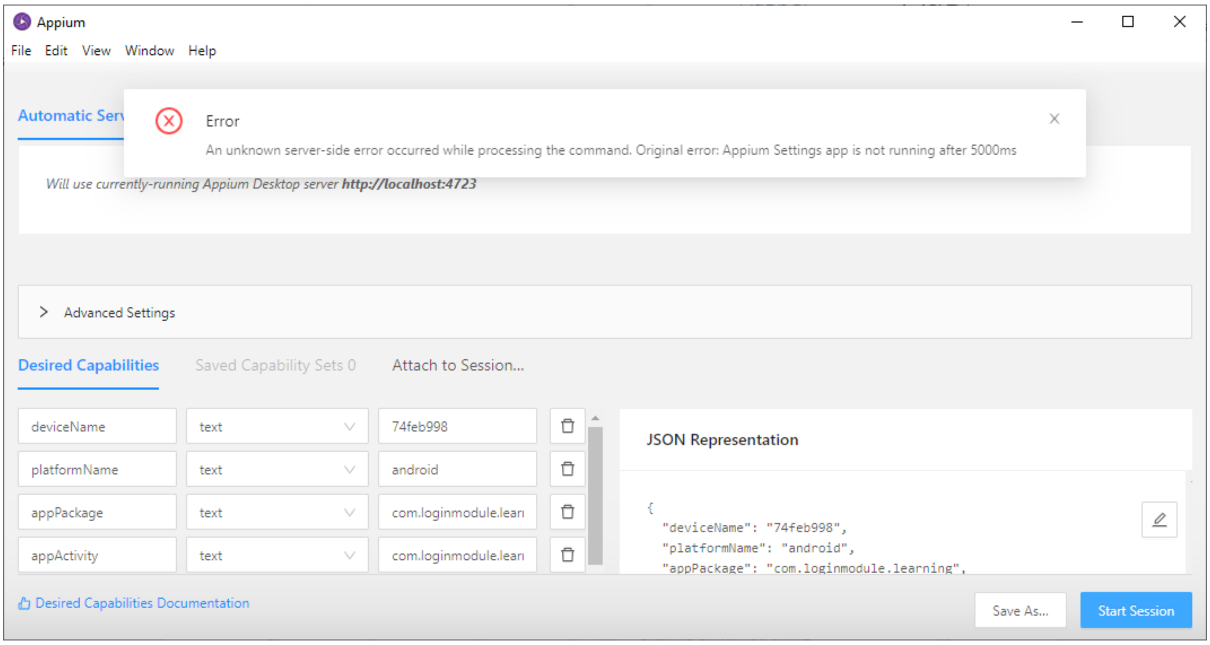
3. Got some error automation test using appium not finished yet



*Will use currently-running Appium Desktop server **http://localhost:4723***

deviceName	text	74feb998
platformName	text	android
appPackage	text	com.loginmodule.lean
appActivity	text	com.loginmodule.lean

```
{
  "deviceName": "74feb998",
  "platformName": "android",
  "appPackage": "com.loginmodule.learning",
```



Error

An unknown server-side error occurred while processing the command. Original error: Appium Settings app is not running after 5000ms

Will use currently-running Appium Desktop server ***http://localhost:4723***

deviceName	text	74feb998
platformName	text	android
appPackage	text	com.loginmodule.learı
appActivity	text	com.loginmodule.learı

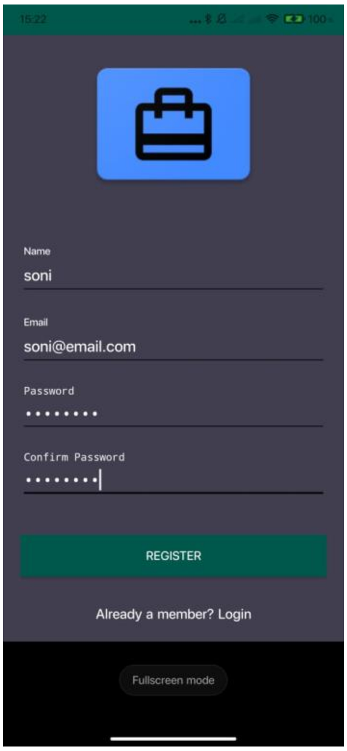
JSON Representation

```
{
  "deviceName": "74feb998",
  "platformName": "android",
  "appPackage": "com.loginmodule.learning",
```

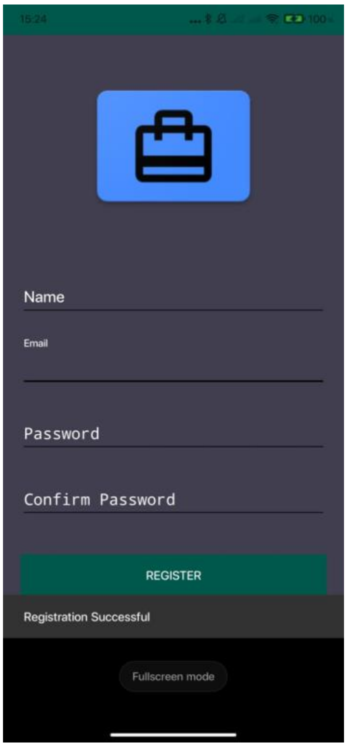
a. Manual test (positive)

Register

Fill the register field correctly and registration successfully



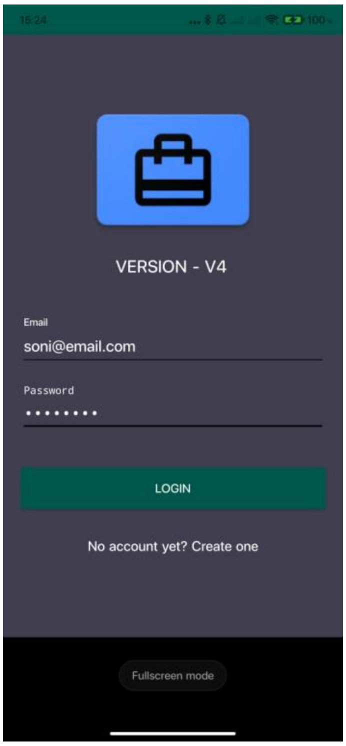
Name
soni
Email
soni@email.com
Password
••••••••
Confirm Password
••••••••



Registration Successful

Login

Fill the login field correctly and login successfully > go to homepage

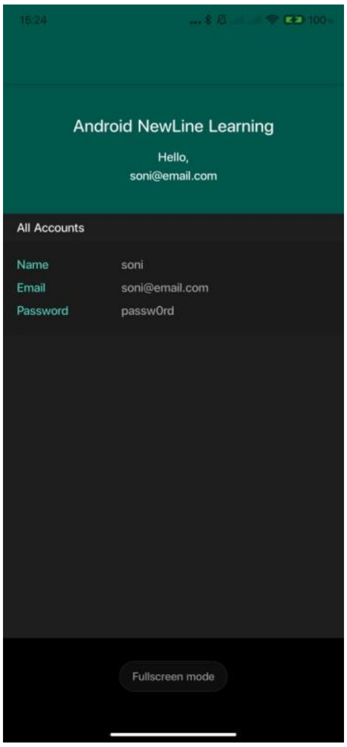


15:24

VERSION - V4

Email
soni@email.com

Password
••••••••



15:24

Android NewLine Learning

Hello,
soni@email.com

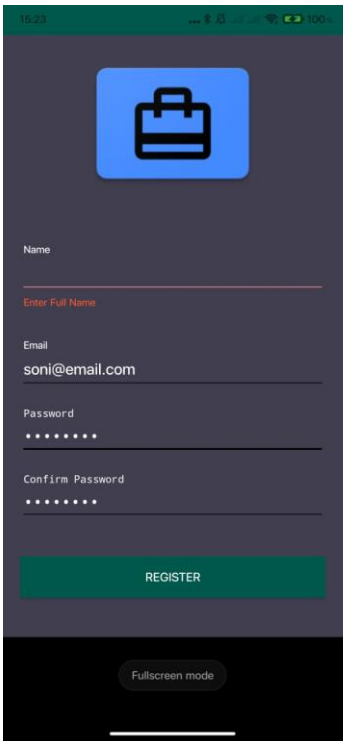
All Accounts

Name	soni
Email	soni@email.com
Password	passw0rd

b. Manual test (negative)

Register

Fill the register field blank and incorrect and registration unsuccessfull



15:23

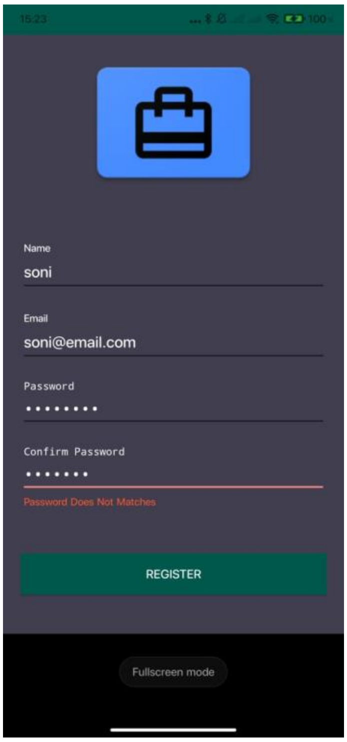
Name

Enter Full Name

Email
soni@email.com

Password
••••••••

Confirm Password
••••••••



15:23

Name
soni

Email
soni@email.com

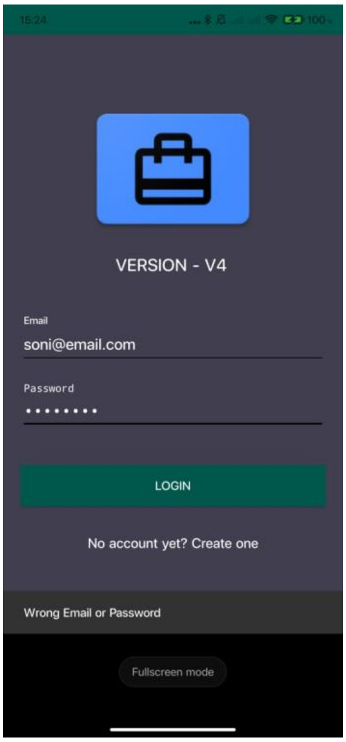
Password
••••••••

Confirm Password
•••••••

Password Does Not Matches

Login

Fill the login field incorrect and login unsuccessfull


VERSION - V4

Email
soni@email.com

Password
••••••••

Wrong Email or Password