

# **MUHAMMAD YUDHI MAHESWARA**

## **BASIC PROGRAMMING**

1. Integer
2. String
3. Hasil dari kode program ( 113 )
4. Hasil dari kode program ( 2 )
5. Hasil dari kode program ( "error" )

## **FLAKY TEST**

1. Flaky test adalah sebuah tes pengujian kode program yang gagal menghasilkan hasil yang sama setiap kali analisis yang sama dijalankan.
2. Dengan melakukan penginputan data real secara berulang, jika hasil yang ditampilkan sesuai dengan ekspektasi, maka element ajax/javascript pada website dapat dikatakan "Berhasil"
3. Untuk menguji halaman website yang dilindungi dengan CAPTCHA, saya akan meminta kepada tim developer untuk meng-hide proses CAPTCHA agar dapat melakukan pengujian pada halaman website, karena Captcha merupakan fitur challenge respons untuk memastikan bahwa respon yang dihasilkan hanya dibuat oleh manusia dan bukannya komputer

## **ESSAY QUESTION TOPIC**

1. Automation tes script
  - a. A
  - b. B
2. Create automation test script to test 1 of these scenarios using Bukalapak website:

| Case        | Script Test   |
|-------------|---|
| a. Register | <pre>@Given("User is on Home Page\$") public void user_is_on_Home_Page()throws Throwable{     driver = new FirefoxDriver();     driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);     driver.get("https://www.bukalapak.com/"); }  @When("User Navigate to Register Page\$") public void user_Navigate_to_Register_Page()throws Throwable{     driver.findElement(); }  @When("User enters Email\$") public void user_enters_Email()throws Throwable{     driver.findElement(); }  @When("User enters Data and Password\$") public void user_enters_Data_and_Password()throws Throwable{     driver.findElement(); }</pre> |

|                   |   |
|-------------------|---|
|                   | <pre> @Then("Message displayed Register Successfully\$") public void message_displayed_Register_Successfully() throws Throwable {     System.out.println("Register Successfully") } </pre>  |
| b. Login          | <pre> @Given("^User is on Home Page\$") public void user_is_on_Home_Page() throws Throwable {     driver = new FirefoxDriver();     driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);     driver.get("https://www.bukalapak.com/"); }  @When("^User Navigate to Login Page\$") public void user_Navigate_to_Login_Page() throws Throwable {     driver.findElement(By.xpath("//a[@id='header-login']")).click(); }  @When("^User enters UserName and Password\$") public void user_enters_UserName_and_Password() throws Throwable {     driver.findElement(By.xpath("//input[@name='username']")).sendKeys("asd@gmail.com");     driver.findElement(By.xpath("//input[@name='password']")).sendKeys("asdasd");     driver.findElement(By.xpath("//button[@type='submit']")).click(); }  @Then("^Message displayed Login Successfully\$") public void message_displayed_Login_Successfully() throws Throwable {     System.out.println("Login Successfully"); } </pre> |
| c. Add to chart   | <pre> @Given("^User is on Detail Produk Page\$") public void user_is_on_Detail_Produk_Page() throws Throwable {     driver = new FirefoxDriver();     driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);     driver.get("https://www.bukalapak.com/halaman-detail-produk/"); }  @When("^User Navigate to Cart\$") public void user_Navigate_to_Cart() throws Throwable {     driver.findElement(By.xpath("//a[@id='header-cart']")).click(); }  @Then("^displayed Shopping Cart\$") public void displayed_Shopping_Cart() throws Throwable {     System.out.println("Shopping Cart"); } </pre>  |
| d. Search product | <pre> @Given("^User is on Home Page\$") public void user_is_on_Home_Page() throws Throwable {     driver = new FirefoxDriver();     driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);     driver.get("https://www.bukalapak.com/"); }  @When("^User enters Product Name\$") public void user_enters_Product_Name() throws Throwable {     driver.findElement(By.xpath("//input[@name='q']")).sendKeys("nama produk");     driver.findElement(By.xpath("//button[@id='form-search-button']")).click(); }  @Then("^Product Page displayed\$") public void Product_Page_displayed() throws Throwable {     System.out.println("Product Page"); } </pre>   |

3. Create and automation test (positive and negative)for apps with 1 of these scenarios:

|             |  |
|-------------|--|
| a. Register |  |
| b. Login    |  |