Main Class:

```
package in.swiggy.pages;
import java.time.Duration;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
public class SwiggyMain {
private WebDriver driver;
public SwiggyMain() {
driver = new ChromeDriver();
driver.manage().window().maximize();
driver.get("https://www.swiggy.com/");
}
public void enterDeliveryLocation(String location) {
WebElement enterYourDeliveryLocation =
driver.findElement(By.xpath("//input[@placeholder='Enter your delivery
location']"));
enterYourDeliveryLocation.sendKeys(location);
try {
Thread.sleep(2000);
enterYourDeliveryLocation.sendKeys(Keys.ARROW_DOWN);
enterYourDeliveryLocation.sendKeys(Keys.ENTER);
} catch (InterruptedException e) {
e.printStackTrace();
}
}
public void selectRestaurant() {
WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));
WebElement firstRestaurant =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("(//img[c
ontains(@alt,'Taj Mahal-Abids')])[1]")));
firstRestaurant.click();
}
public void selectFirstDish() {
WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));
WebElement firstDish =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("(//div[c
ontains(@class,'_1RPOp')])[1]")));
firstDish.click();
}
public void addToCart() {
WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));
WebElement addToCartButton =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("(//div[c
ontains(@class,'_1RPOp')])[1]")));
// Use JavascriptExecutor to click the "Add to Cart" button directly
JavascriptExecutor jsExecutor = (JavascriptExecutor) driver;
jsExecutor.executeScript("arguments[0].click();", addToCartButton);
try {
Thread.sleep(2000); // Wait for the cart to update
} catch (InterruptedException e) {
```

```
e.printStackTrace();
}
}
public void clickCheckout() {
WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));
WebElement cartIcon =
driver.findElement(By.xpath("//*[@id=\"root\"]/div[1]/header/div/div/ul/li[
1]/div/div/div/a/span[2]"));
Actions actions = new Actions(driver);
actions.moveToElement(cartIcon).perform();
WebElement checkoutButton =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//div[co
ntains(@class,'_55uP6')]")));
checkoutButton.click();
try {
Thread.sleep(2000); // Wait for the page to load
} catch (InterruptedException e) {
e.printStackTrace();
}
}
public void verifyLoginSignUpMessage() {
WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));
WebElement verifyTextElement =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//div[co
ntains(text(), 'To place your order now, log in to your existing account or
sign up.')]")));
if (verifyTextElement.isDisplayed()) {
System.out.println("Verification successful! Text is visible on the next
page.");
} else {
System.out.println("Verification failed! Text is not visible on the next
page.");
}
}
public void closeBrowser() {
driver.quit();
}
public static void main(String[] args) throws InterruptedException {
SwiggyMain swiggyMain = new SwiggyMain();
swiggyMain.enterDeliveryLocation("Hyderabad");
swiggyMain.selectRestaurant();
swiggyMain.selectFirstDish();
swiggyMain.addToCart();
swiggyMain.clickCheckout();
swiggyMain.verifyLoginSignUpMessage();
swiggyMain.closeBrowser();
}
}
```

Before And After Hooks:

```
package in.swiggy.teststeps;
import io.cucumber.java.After;
import io.cucumber.java.Before;
import org.openqa.selenium.chrome.ChromeDriver;
public class BeforeAfter {
protected static ChromeDriver driver;
@Before
public void setUp() {
```

```
// Initialize WebDriver before each scenario
driver = new ChromeDriver();
driver.manage().window().maximize();
}
@After
public void tearDown() {
// Quit WebDriver after each scenario
if (driver != null) {
driver.quit();
}
}
}
```

Tools:

```
package in.swiggy.teststeps;
import org.openqa.selenium.WebDriver;
public class Tools {
protected static WebDriver driver;
}
```

Test Runner Class:

```
package in.swiggy.teststeps;
import io.cucumber.testng.AbstractTestNGCucumberTests;
import io.cucumber.testng.CucumberOptions;
@CucumberOptions(
features = "Features",
glue = "in.swiggy.teststeps"
//tags = "@TC_101"
)
public class TestRunner extends AbstractTestNGCucumberTests{
}
```

Driver Class:

```
package in.swiggy.teststeps;
import org.openqa.selenium.chrome.ChromeDriver;
import in.swiggy.pages.SwiggyMain;
public class Driver {
protected static ChromeDriver driver;
protected static SwiggyMain swiggyMain;
public static void init() {
driver = new ChromeDriver();
driver.manage().window().maximize();
driver.get("https://www.swiggy.com");
swiggyMain = new SwiggyMain();
}
public static void closeDriver() {
driver.quit();
}
}
```

Test Class:

```
package in.swiggy.teststeps;
import io.cucumber.java.en.Given;
import io.cucumber.java.en.When;
import in.swiggy.pages.SwiggyMain;
import io.cucumber.java.en.And;
import io.cucumber.java.en.Then;
public class SwiggyTestSteps {
private SwiggyMain swiggyMain;
@Given("I am on the Swiggy website")
public void openSwiggyWebsite() {
swiggyMain = new SwiggyMain();
}
@When("I enter my delivery location as {string}")
public void enterDeliveryLocation(String location) {
swiggyMain.enterDeliveryLocation(location);
}
@And("I select a restaurant")
public void selectRestaurant() {
swiggyMain.selectRestaurant();
}
@And("I select the first dish available")
public void selectFirstDish() {
swiggyMain.selectFirstDish();
}
@And("I add the dish to the cart")
public void addToCart() {
swiggyMain.addToCart();
}
@And("I click on the cart icon to check out")
public void clickCheckout() {
swiggyMain.clickCheckout();
}
@Then("I should see the message to log in or sign up")
public void verifyLoginSignUpMessage() {
swiggyMain.verifyLoginSignUpMessage();
}
}
```

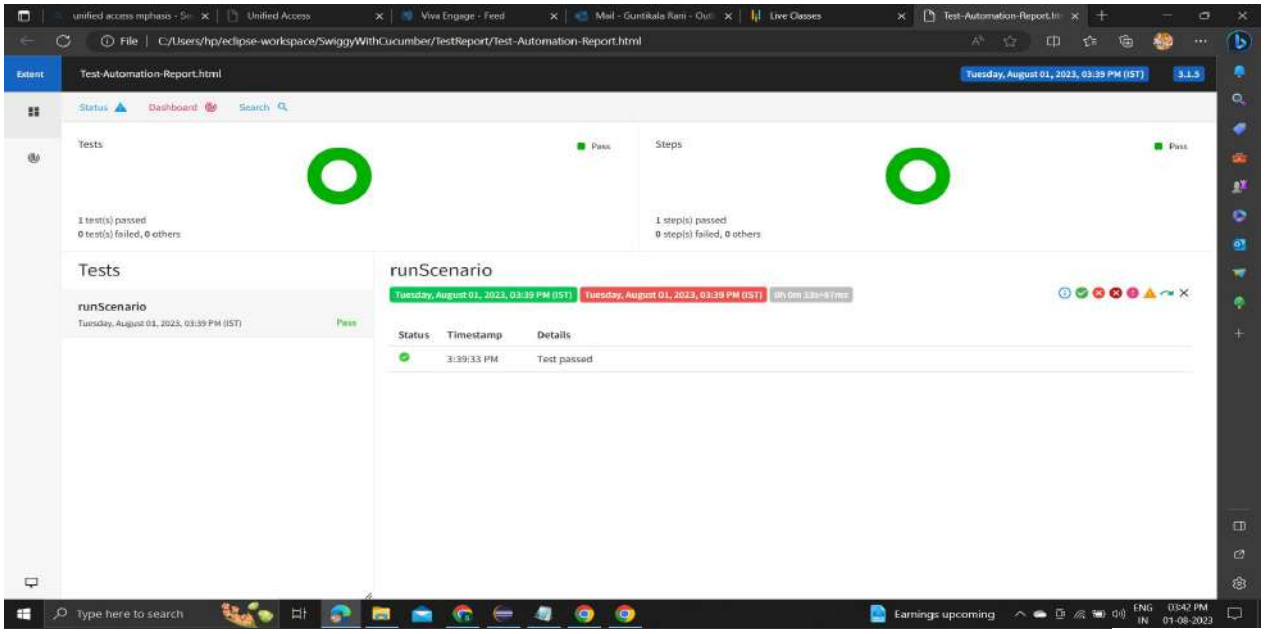
Feature File:

```
Feature: Swiggy Order Placement
@TC-101
Scenario: Place an order on Swiggy
Given I am on the Swiggy website
When I enter my delivery location as "Hyderabad"
And I select a restaurant
And I select the first dish available
And I add the dish to the cart
And I click on the cart icon to check out
Then I should see the message to log in or sign up
```

Testng.xml file:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
<suite name="Suite">
<listeners>
<listener class-name="com.Listeners.TestListener"></listener>
</listeners>
<test thread-count="5" name="Test">
<classes>
<class name="in.swiggy.teststeps.TestRunner"></class>
</classes>
</test> <!-- Test -->
</suite> <!-- Suite -->
```

Testng Report:



Cucumber Report: