SOURCECODE:

place_swiggy_order.feature

```
Feature: Order Food from Swiggy

Scenario: A user must be able to place an order on swiggy
  Given a user is on the Swiggy homepage
  When he sets the delivery location as 'Hyderabad'
  And he selects the first option from the auto-complete box
  And he clicks on the first restaurant from 'Top restaurant chains in Hyderabad'
  And he adds the first listed dish to the cart
  And he hovers over the 'Cart' in the top right corner
  And he clicks on 'Check Out' in the sub-menu
  Then he should see the text 'To place your order now, log in to your existing account or sign up.'
```

Tools.java

```
package com.swiggy.teststeps;

import org.openqa.selenium.WebDriver;

public class Tools {

	protected static WebDriver driver;

}
```

BeforeAfter.java

```
package com.swiggy.teststeps;

import io.cucumber.java.After;

import io.cucumber.java.Before;

import io.cucumber.java.Scenario;

public class BeforeAfter extends Tools{

	@Before

	public void setUp(Scenario scenario) {

		Driver.init();

	}

	@After

	public void tearDown() {

		driver.quit();

	}

}
```

Driver.java

```
package com.swiggy.teststeps;

import org.openqa.selenium.edge.EdgeDriver;

import com.swiggy.pages.AddFood;

import com.swiggy.pages.HoverOverCart;

import com.swiggy.pages.RestoSelection;

import com.swiggy.pages.SetLocation;

import com.swiggy.pages.VerifyMessage;


public class Driver extends Tools {

	protected static SetLocation setLocation;

	protected static RestoSelection restoSelection;

	protected static AddFood addFood;

	protected static HoverOverCart hoverOverCart;

	protected static VerifyMessage verifyMessage;


	public static void init() {

		driver = new EdgeDriver();

		driver.manage().window().maximize();

		driver.get("https://swiggy.com");

		setLocation = new SetLocation(driver);

		restoSelection = new RestoSelection(driver);

		addFood = new AddFood(driver);

		hoverOverCart = new HoverOverCart(driver);

		verifyMessage = new VerifyMessage(driver);

	}

}
```

PlaceSwiggyOrderSteps.java

```
package com.swiggy.teststeps;

import org.testng.Assert;

import io.cucumber.java.en.Given;

import io.cucumber.java.en.Then;

import io.cucumber.java.en.When;


public class PlaceSwiggyOrderSteps extends Driver {


	@Given("a user is on the Swiggy homepage")

	public void a_user_is_on_the_swiggy_homepage() {

	}

	@When("he sets the delivery location as {string}")

	public void he_sets_the_delivery_location_as(String string) {

	}

	@When("he selects the first option from the auto-complete box")

	public void he_selects_the_first_option_from_the_auto_complete_box() 
throws InterruptedException {

		setLocation.searchLoc("hyderabad");

	}

	@When("he clicks on the first restaurant from {string}")

	public void he_clicks_on_the_first_restaurant_from(String string) throws 
InterruptedException {

		restoSelection.clickFirstResto();

	}

	@When("he adds the first listed dish to the cart")

	public void he_adds_the_first_listed_dish_to_the_cart() throws 
InterruptedException {

		addFood.clickFirstFood();

		}


	@When("he hovers over the {string} in the top right corner")

	public void he_hovers_over_the_in_the_top_right_corner(String string) {

	}
```

```
	@When("he clicks on {string} in the sub-menu")
	public void he_clicks_on_in_the_sub_menu(String string) {
		hoverOverCart.hoverOverCartOptn();
		hoverOverCart.clickCheckOutBtn();
	}
	@Then("he should see the text {string}")
	public void he_should_see_the_text(String string) {
		String expectedText = "To place your order now, log in to your existing account or sign up.";
		String actualText = verifyMessage.getVerifyTheText();
		Assert.assertEquals(actualText, expectedText);
	}
}
```

TestRunner.java

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

SetLocation.java

```
package com.swiggy.pages;
import java.time.Duration;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.FindBy;
import org.openqa.selenium.support.PageFactory;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;

public class SetLocation {
    private WebDriver driver;
     private Actions actions;
     private WebDriverWait wait;

     @FindBy(id = "location")
     private WebElement locationBox;
    public SetLocation(WebDriver driver) {
        this.driver = driver;
        PageFactory.initElements(driver, this);
           actions = new Actions(driver);
           wait = new WebDriverWait(driver, Duration.ofSeconds(60));
    }
     @FindBy(xpath = "//div[contains(@class,'_1oLDb')]")
     private WebElement autoCompleteBox;

     public void searchLoc(String searchQuery) throws InterruptedException {
           locationBox.sendKeys(searchQuery);
     wait.until(ExpectedConditions.visibilityOfAllElements(autoCompleteBox));
     actions.sendKeys(Keys.ARROW_DOWN).sendKeys(Keys.ENTER).build().perform();
     } }
```

RestoSelection.java

```
package com.swiggy.pages;

import java.time.Duration;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

import org.openqa.selenium.support.ui.ExpectedConditions;

import org.openqa.selenium.support.ui.WebDriverWait;


public class RestoSelection {

    private WebDriver driver;

    private WebDriverWait wait;


    @FindBy(xpath = "(//div[contains(@class,'sc-dPyBCJ fJKDKr')])[1]")

    private WebElement firstresto;

      public RestoSelection(WebDriver driver) {

            PageFactory.initElements(driver, this);

            wait = new WebDriverWait(driver, Duration.ofSeconds(60));

      }

      public void clickFirstResto() throws InterruptedException {

            wait.until(ExpectedConditions.elementToBeClickable(firstresto));

            firstresto.click();

      }

}
```

AddFood.java

```
package com.swiggy.pages;

import java.time.Duration;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

import org.openqa.selenium.support.ui.ExpectedConditions;

import org.openqa.selenium.support.ui.WebDriverWait;


public class AddFood {

    private WebDriver driver;

    private WebDriverWait wait;


    @FindBy(xpath = "(//div[contains(@class,'_3L1X9 _211P0
main_buttonInner__z6Jz0 main_button__3gpqi')])[1]")

    private WebElement firstfood;

      public AddFood(WebDriver driver) {

            PageFactory.initElements(driver, this);

            wait = new WebDriverWait(driver, Duration.ofSeconds(60));

      }

      public void clickFirstFood() throws InterruptedException {

            wait.until(ExpectedConditions.elementToBeClickable(firstfood));

            firstfood.click();

      }

}
```

HoverOverCart.java

```
package com.swiggy.pages;

import java.time.Duration;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.interactions.Actions;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

import org.openqa.selenium.support.ui.ExpectedConditions;

import org.openqa.selenium.support.ui.WebDriverWait;


public class HoverOverCart {

    private WebDriver driver;

    private WebDriverWait wait;

     private Actions actions;


     public HoverOverCart(WebDriver driver) {

          PageFactory.initElements(driver, this);

          actions = new Actions(driver);

          wait = new WebDriverWait(driver, Duration.ofSeconds(60));

     }


     @FindBy(xpath = "//div[contains(@class,'_1fmVk _30y3a')]")

     private WebElement cartOptn;


     @FindBy(xpath = "//div[contains(@class,'_55uP6')]")

     private WebElement checkoutbtn;


     public void hoverOverCartOptn() {

         wait.until(ExpectedConditions.and(

                 ExpectedConditions.elementToBeClickable(cartOptn),
ExpectedConditions.not(ExpectedConditions.attributeContains(cartOptn, "aria-
label", "empty"))

         ));
```

```
            actions.moveToElement(cartOptn).build().perform();
      }
      public void clickCheckOutBtn() {
            wait.until(ExpectedConditions.elementToBeClickable(checkoutbtn));
            checkoutbtn.click();
      }
}
```

VerifyMessage.java

```
package com.swiggy.pages

import java.time.Duration;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

import org.openqa.selenium.support.ui.ExpectedConditions;

import org.openqa.selenium.support.ui.WebDriverWait;


public class VerifyMessage {


    private WebDriver driver;

    private WebDriverWait wait;


    @FindBy(xpath = "//div[contains(text(), 'To place your order now, log in to
your existing account or sign up.')]")

     private WebElement verifyTheText;


     public VerifyMessage(WebDriver driver) {

          this.driver = driver;

          PageFactory.initElements(driver, this);

          wait = new WebDriverWait(driver, Duration.ofSeconds(60));

     }


     public String getVerifyTheText() {

          wait.until(ExpectedConditions.visibilityOf(verifyTheText));

          String text = verifyTheText.getText();

          return text;

     }

}
```