**Source Code**

**Cucumber Feature**

Feature: Order food

Scenario: A user must be able to order food from Swiggy

Given A user is on the landing page of Swiggy application

When he types delivery location as Hyderabad

And he clicks on the first available restaurant

And he clicks on the add button of the first dish

And he views his cart

And he clicks on 'Check Out' in the sub menu

Then he can order food successfully.

**Page Object Model Code**

**package** in.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** LandingPage {

**private** Actions actions;

**private** WebDriverWait wait;

@FindBy(id = "location")

**private** WebElement searchBox;

@FindBy(xpath = "(//span[contains(@class,'\_2W-T9')])[1]")

**private** WebElement autoCompleteBox;

**public** LandingPage(WebDriver driver)

{

PageFactory.*initElements*(driver, **this**);

actions = **new** Actions(driver);

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

}

**public** **void** searchItem(String item)

{

searchBox.sendKeys(item);

wait.until(ExpectedConditions.*visibilityOfAllElements*(autoCompleteBox));

actions.sendKeys(Keys.***ARROW\_DOWN***).sendKeys(Keys.***ENTER***).build().perform();

}

}

**package** in.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** Restaurants {

**private** WebDriverWait wait;

@FindBy(xpath = "(//div[contains(@class,'gWiXXg')])[1]")

**private** WebElement dish;

**public** Restaurants(WebDriver driver)

{

PageFactory.*initElements*(driver, **this**);

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

}

**public** **void** selectRestaurant()

{

dish.click();

wait.until(ExpectedConditions.*visibilityOfAllElements*(dish));

}

}

**package** in.swiggy.pages;

**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;

**public** **class** Food {

**private** Actions actions;

@FindBy(xpath = "(//div[contains(@class,'\_1RPOp')])[1]")

**private** WebElement item;

@FindBy(linkText = "Cart")

**private** WebElement cart;

@FindBy(linkText = "/checkout")

**private** WebElement checkOut;

**public** Food(WebDriver driver)

{

PageFactory.*initElements*(driver, **this**);

actions = **new** Actions(driver);

}

**public** **void** selectFood()

{

item.click();

}

**public** **void** hoverOverCart()

{

actions.moveToElement(cart).build().perform();

}

**public** **void** clickCheckout()

{

checkOut.click();

}

}

**package** in.swiggy.pages;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.support.FindBy;

**import** org.openqa.selenium.support.PageFactory;

**public** **class** VerifyText {

@FindBy(xpath = "//div[contains(@class,'\_2axtv')]")

**private** WebElement text;

**public** VerifyText(WebDriver driver)

{

PageFactory.*initElements*(driver, **this**);

}

**public** String getText()

{

String statement = text.getText();

**return** statement;

}

}

**Main Code**

**ackage** in.swiggy.teststeps;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.testng.Assert;

**import** in.swiggy.pages.LandingPage;

**import** in.swiggy.pages.Restaurants;

**import** in.swiggy.pages.Food;

**import** in.swiggy.pages.VerifyText;

**import** io.cucumber.java.en.Given;

**import** io.cucumber.java.en.Then;

**import** io.cucumber.java.en.When;

**public** **class** OrderFood {

WebDriver driver;

@Given("A user is on the landing page of Swiggy application")

**public** **void** a\_user\_is\_on\_the\_landing\_page\_of\_swiggy\_application() {

driver = **new** ChromeDriver();

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

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

}

@When("he types delivery location as Hyderabad")

**public** **void** he\_types\_delivery\_location\_as\_hyderabad() {

LandingPage landingPage = **new** LandingPage(driver);

landingPage.searchItem("Hyderabad");

}

@When("he clicks on the first available restaurant")

**public** **void** he\_clicks\_on\_the\_first\_available\_restaurant() {

Restaurants restaurants = **new** Restaurants(driver);

restaurants.selectRestaurant();

}

@When("he clicks on the add button of the first dish")

**public** **void** he\_clicks\_on\_the\_add\_button\_of\_the\_first\_dish() {

Food food = **new** Food(driver);

food.selectFood();

}

@When("he views his cart")

**public** **void** he\_views\_his\_cart() {

Food food2 = **new** Food(driver);

food2.hoverOverCart();

}

@When("he clicks on {string} in the sub menu")

**public** **void** he\_clicks\_on\_in\_the\_sub\_menu(String string) {

Food food3 = **new** Food(driver);

food3.clickCheckout();

}

@Then("he can order food successfully.")

**public** **void** he\_can\_order\_food\_successfully() {

VerifyText verifyText = **new** VerifyText(driver);

String expectedText = "To place your order now, log in to your existing account or sign up.";

String actualText = verifyText.getText();

Assert.*assertEquals*(actualText, expectedText);

driver.quit();

}

}