

(Phase-4) Swiggy App Project – Source code

Demolib:-

```
package com.Test.App;

import java.util.List;
import org.openqa.selenium.By;
import org.openqa.selenium.WebElement;
import io.appium.java_client.TouchAction;
import io.appium.java_client.android.AndroidDriver;
import io.appium.java_client.touch.LongPressOptions;
import io.appium.java_client.touch.offset.PointOption;

public class Demolib {
    void scrollUp(AndroidDriver driver) {
        int w = driver.manage().window().getSize().getWidth();
        int h = driver.manage().window().getSize().getHeight();
        System.out.println(w);
        System.out.println(h);
        int startX = (int) (0.5 * w);
        int endX = startX;
        int startY = (int) (0.9 * h);
        int endY = (int) (0.4 * h);
        TouchAction touchAction = new TouchAction(driver);
        touchAction.longPress(LongPressOptions.longPressOptions().withPosition(PointOption.point(startX,
startY)))
            .moveTo(PointOption.point(endX, endY)).release().perform();
        try {
            Thread.sleep(2000);
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
    }
    void scrollDown(AndroidDriver driver) {
        int w = driver.manage().window().getSize().getWidth();
        int h = driver.manage().window().getSize().getHeight();
        System.out.println(w);
        System.out.println(h);
        int startX = (int) (0.5 * w);
        int endX = startX;
        int startY = (int) (0.4 * h);
        int endY = (int) (0.9 * h);
```

```

TouchAction touchAction = new TouchAction(driver);

touchAction.longPress(LongPressOptions.longPressOptions().withPosition(PointOption.point(startX,
startY)))
    .moveTo(PointOption.point(endX, endY)).release().perform();

    try {
        Thread.sleep(2000);
    } catch (InterruptedException e) {
        e.printStackTrace();
    }
}

public void ScrollToView(String view, AndroidDriver driver) {

    boolean flag = false;
    while (!flag) {
List<WebElement> lstViews = driver.findElements(By.xpath("//android.widget.TextView"));
        for (WebElement vw : lstViews) {
            System.out.println(vw.getAttribute("text"));
            if (vw.getAttribute("text").contains(view)) {
                flag = true;
                break;
            }
        }
        if (!flag) {
            scrollUp(driver);
        }
    }
}

public void ClickOnToView(String vw, AndroidDriver driver) {

    driver.findElement(By.xpath("//android.widget.TextView[@text='"+vw+"']")).click();

}
}

```

TestNG:-

```
package com.Test.App;

import static org.testng.Assert.assertEquals;
import java.net.MalformedURLException;
import java.net.URL;
import java.time.Duration;
import java.util.List;
import org.openqa.selenium.By;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.remote.DesiredCapabilities;
import org.testng.annotations.AfterClass;
import org.testng.annotations.AfterMethod;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.Listeners;
import org.testng.annotations.Test;
import io.appium.java_client.TouchAction;
import io.appium.java_client.android.AndroidDriver;
import io.appium.java_client.touch.LongPressOptions;
import io.appium.java_client.touch.offset.PointOption;

@Listeners (Listener.class)
public class TestNG {
    AndroidDriver driver;
    Demolib Lib = new Demolib();
    @BeforeClass
    public void beforeMethod() {
        Demolib Lib = new Demolib();

        URL URL;
        try {
            URL = new URL("http://127.0.0.1:4723/wd/hub");
        }
        DesiredCapabilities caps = new DesiredCapabilities();
        caps.setCapability("platformName", "Android");
        caps.setCapability("platformVersion", "10");
        caps.setCapability("appPackage", "in.swiggy.android");
        caps.setCapability("appActivity", "in.swiggy.android.activities.HomeActivity");

        driver = new AndroidDriver(URL, caps);
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(100));
        System.out.println(driver.getSessionId());
    }
}
```

```

driver.findElement(By.id("com.android.permissioncontroller:id/permission_deny_button")).click();
driver.findElement(By.id("in.swiggy.android:id/full_width_button_label")).click();
driver.findElement(By.id("com.google.android.gms:id/cancel")).click();
driver.findElement(By.id("in.swiggy.android:id/tv_phone_umber")).sendKeys("6369351538");
driver.findElement(By.id("in.swiggy.android:id/full_width_button_label")).click();

try {
    Thread.sleep(10000);
} catch (InterruptedException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}
driver.findElement(By.id("in.swiggy.android:id/full_width_button_label")).click();
driver.findElement(By.id("com.android.permissioncontroller:id/permission_allow_foreground_only_button")).click();
driver.findElement(By.id("in.swiggy.android:id/placeholder_description_tv")).click();

driver.findElement(By.id("in.swiggy.android:id/et_search_query_v2")).sendKeys("biryani");
    } catch (MalformedURLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }
}

@Test
public void TestRestaurant() {
    this.driver=driver;
    System.out.println("Test");
    List<WebElement> LOE = driver.findElements(By.xpath("//android.widget.TextView"));
    System.out.println(LOE.size());

    for (WebElement x : LOE) {
        System.out.println(x.getAttribute("text"));
        System.out.println(x.getText());
    }

    driver.hideKeyboard();

    for (WebElement x : LOE) {

        if (x.getAttribute("text").equals("Meghana Special Biryani")) {
            x.click();
            break;
        }
    }
}

```

```

String[] lst1 = {"Anandha Biryani House", "Meghana Foods", "Hyderabad Biryani House", "The Bengal
Club", "Kritunga Restaurant"};
int c1=0;
int c2=0;

String text =
driver.findElement(By.id("in.swiggy.android:id/textView_restaurant_name")).getText();
System.out.println(text);
if (lst1[0].equals(text)) {
    c1+=1;
    c2+=1;
    System.out.println("Restaurant name matches");

    }else {
        System.out.println("Restaurant name doesn't matches");
        c1+=1;
    }
Lib.scrollUp(driver);
String text1 = driver.findElement(By.id("in.swiggy.android:id/textView_restaurant_name")).getText();
System.out.println(text1);
if (lst1[1].equals(text1)) {
    c1+=1;
    c2+=1;
    System.out.println("Restaurant name matches");

    }else {
        c1+=1;
        System.out.println("Restaurant name doesn't matches");
    }
Lib.scrollUp(driver);
String text2 =
driver.findElement(By.id("in.swiggy.android:id/textView_restaurant_name")).getText();
System.out.println(text2);
if (lst1[2].equals(text2)) {
    c1+=1;
    c2+=1;
    System.out.println("Restaurant name matches");

    }else {
        c1+=1;
        System.out.println("Restaurant name doesn't matches");
    }
Lib.scrollUp(driver);
String text3 =driver.findElement(By.id("in.swiggy.android:id/textView_restaurant_name")).getText();

```

```

System.out.println(text3);
if (lst1[3].equals(text3)) {
    c1+=1;
    c2+=1;
    System.out.println("Restaurant name matches");
} else {
    c1+=1;
    System.out.println("Restaurant name doesn't matches");
}
Lib.scrollUp(driver);
String text4 = driver.findElement(By.id("in.swiggy.android:id/textView_restaurant_name")).getText();
System.out.println(text4);
if (lst1[4].equals(text4)) {
    c1+=1;
    c2+=1;
    System.out.println("Restaurant name matches");
} else {
    c1+=1;
    System.out.println("Restaurant name doesn't matches");
}
Lib.scrollUp(driver);
Lib.scrollDown(driver);
Lib.scrollDown(driver);
Lib.scrollDown(driver);
Lib.scrollDown(driver);
Lib.scrollDown(driver);

```

```

WebElement element = driver.findElement(By.xpath("//android.widget.TextView[@text='Hyderabadi Chicken Biryani']"));

```

```

int x = element.getLocation().getX();
int y = element.getLocation().getY();

```

```

System.out.println("printing startsX" + x);
System.out.println("printing startsY" + y);
int width = element.getSize().getWidth();
System.out.println("printing width " + width);
int px = (int) (0.2*width);

```

```

TouchAction touchAction = new TouchAction(driver);
// TODO Auto-generated method stub
touchAction

```

```

.longPress(LongPressOptions.longPressOptions()).withPosition(PointOption.point(x, y))
.moveTo(PointOption.point(px, y))

```

```
.release()  
.perform();
```

```
String PricebeforeAddToCart =
```

```
    driver.findElement(By.id("in.swiggy.android:id/horizontal_item_price")).getAttribute("text");  
    System.out.println(PricebeforeAddToCart);  
    driver.findElement(By.id("in.swiggy.android:id/quantity_text_1")).click();  
    try {  
driver.findElement(By.xpath("//android.widget.Button[@text='Add Item to Cart']")).click();  
        } catch (Exception e) {  
            e.printStackTrace();  
        }  
    driver.findElement(By.id("in.swiggy.android:id/increment_button_touch_target")).click();  
    driver.findElement(By.xpath("//android.widget.Button[@text='Repeat']")).click();  
    driver.findElement(By.id("in.swiggy.android:id/increment_button_touch_target")).click();  
    driver.findElement(By.xpath("//android.widget.Button[@text='Repeat']")).click();  
    driver.findElement(By.id("in.swiggy.android:id/decrement_button")).click();  
    driver.findElement(By.id("in.swiggy.android:id/decrement_button")).click();
```

```
    String PriceafterAddToCart = driver.findElement(By.xpath("//android.widget.TextView[@content-  
desc=\"price ₹320 rupees\"][1]")).getAttribute("text");  
    System.out.println(PriceafterAddToCart);  
    if (PricebeforeAddToCart.equals(PriceafterAddToCart)) {  
        System.out.println("Price is validated");  
    } else {  
        System.out.println("Price doesn't validated");  
    }  
    driver.findElement(By.id("in.swiggy.android:id/checkoutText")).click();  
    driver.findElement(By.xpath("//android.widget.Button[@text='Make payment, tap to go to  
payment']")).click();  
    System.out.println("Value of C1 "+c1 + " value of C2 " + c2);  
    assertEquals(c1, c2);  
}  
@AfterClass  
public void afterMethod() {  
}
```

```
}
```

Listener:-

```

package com.Test.App;
import org.testng.ITestContext;
import org.testng.ITestListener;
import org.testng.ITestResult;
import com.aventstack.extentreports.ExtentReports;
import com.aventstack.extentreports.ExtentTest;
import com.aventstack.extentreports.Status;
import com.aventstack.extentreports.reporter.ExtentHtmlReporter;
public class Listener implements ITestListener {
    TimeDate printTime = new TimeDate();
    public void onTestSuccess(ITestResult result) {
        System.out.println(result.getName()+ "Test Passed");
        test.log(Status.PASS, result.getName());
    }
    public void onTestFailure(ITestResult result) {
        System.out.println(result.getName());
        test.log(Status.FAIL, result.getName());
    }
    ExtentReports extent;

    public void onStart(ITestContext context) {
        String currentTime = printTime.getCurrentTime();
        System.out.println(context.getName()+ "Started");
        String ptReport = System.getProperty("user.dir")+ "\\Reports\\";
        String rName = "Execution_"+ currentTime+ ".html";
        String fname = ptReport+rName;
        System.out.println(fname);
        ExtentHtmlReporter html = new ExtentHtmlReporter(fname);
        extent = new ExtentReports();
        extent.attachReporter(html);
    }
    ExtentTest test;
    public void onTestStart(ITestResult context) {
        System.out.println(context.getName()+"Starting");
        test= extent.createTest(context.getName());
    }
    public void onFinish(ITestContext context) {
        System.out.println(context.getName()+" finished");
        extent.flush();
    }
}

```


Pom.xml:-

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.test.Ap</groupId>
  <artifactId>TestCal</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <dependencies>
    <dependency>
      <groupId>io.appium</groupId>
      <artifactId>java-client</artifactId>
      <version>8.3.0</version>
    </dependency>

    <dependency>
      <groupId>com.aventstack</groupId>
      <artifactId>extentreports</artifactId>
      <version>3.0.1</version>
    </dependency>

    <dependency>
      <groupId>org.apache.poi</groupId>
      <artifactId>poi</artifactId>
      <version>5.2.3</version>
    </dependency>
    <dependency>
      <groupId>org.apache.poi</groupId>
      <artifactId>poi-ooxml</artifactId>
      <version>5.2.3</version>
    </dependency>

    <dependency>
      <groupId>io.cucumber</groupId>
      <artifactId>cucumber-testng</artifactId>
      <version>7.11.0</version>
    </dependency>

    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>4.13.2</version>
      <scope>test</scope>
```

</dependency>

```
<dependency>
  <groupId>io.cucumber</groupId>
  <artifactId>cucumber-java</artifactId>
  <version>7.11.0</version>
</dependency>
```

```
<dependency>
  <groupId>io.cucumber</groupId>
  <artifactId>cucumber-junit</artifactId>
  <version>7.11.0</version>
  <scope>test</scope>
</dependency>
```

```
<dependency>
  <groupId>org.seleniumhq.selenium</groupId>
  <artifactId>selenium-java</artifactId>
  <version>4.7.2</version>
</dependency>
```

```
<dependency>
  <groupId>io.cucumber</groupId>
  <artifactId>cucumber-core</artifactId>
  <version>7.11.0</version>
</dependency>
```

```
<dependency>
  <groupId>com.aventstack</groupId>
  <artifactId>extentreports</artifactId>
  <version>3.0.1</version>
</dependency>
</dependencies>
```

```
<build>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-surefire-plugin</artifactId>
      <version>3.0.0-M8</version>
      <configuration>
        <suiteXmlFiles>
          <suiteXmlFile>testng.xml</suiteXmlFile>
        </suiteXmlFiles>
      </configuration>
    </plugin>
  </plugins>
</build>
```

```
</configuration>
</plugin>
```

```
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-compiler-plugin</artifactId>
  <version>3.10.1</version>
  <configuration>
    <source>1.8</source>
    <target>1.8</target>
  </configuration>
</plugin>
</plugins>
</build>
</project>
```

TestNG suite:-

```
<?xml version="1.0" encoding="UTF-8"?>
<suite parallel="false" name="Suite">
  <test name="Test"> <classes>
    <class name="com.Test.App.TestNG"/> </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->
```