**TASK 8**

To depict Appium + Selenium for mobile testing

Pom.xml

<?xml version="1.0" encoding="UTF-8"?>

<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 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>io-appium</groupId>

<artifactId>io-appium</artifactId>

<version>1.0-SNAPSHOT</version>

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-compiler-plugin</artifactId>

<configuration>

<source>11</source>

<target>11</target>

</configuration>

</plugin>

</plugins>

</build>

<dependencies>

<!-- https://mvnrepository.com/artifact/io.appium/java-client -->

<dependency>

<groupId>io.appium</groupId>

<artifactId>java-client</artifactId>

<version>7.5.1</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-java</artifactId>

<version>3.141.59</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.testng/testng -->

<dependency>

<groupId>org.testng</groupId>

<artifactId>testng</artifactId>

<version>7.4.0</version>

<scope>test</scope>

</dependency>

</dependencies>

</project>

NewTest.java

package sampletest;

import java.net.MalformedURLException;

import java.net.URL;

import java.time.Duration;

import java.util.concurrent.TimeUnit;

import org.aspectj.lang.annotation.After;

import org.openqa.selenium.By;

import org.openqa.selenium.Dimension;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.remote.CapabilityType;

import org.openqa.selenium.remote.DesiredCapabilities;

import org.testng.Assert;

import org.testng.annotations.AfterTest;

import org.testng.annotations.Test;

import io.appium.java\_client.TouchAction;

import io.appium.java\_client.android.AndroidDriver;

import io.appium.java\_client.touch.WaitOptions;

import io.appium.java\_client.touch.offset.PointOption;

public class NewTest {

private static AndroidDriver<WebElement> driver;

public static void scroll(AndroidDriver<WebElement> driver)

{

TouchAction action =new TouchAction(driver);

Dimension size =driver.manage().window().getSize();

int start\_x=(int) (size.width\*.5);

int start\_y=(int) (size.height\*.5);

int end\_x=(int) (size.width\*.5);

int end\_y=(int) (size.height\*.3);

action.press(PointOption.point(start\_x, start\_y))

.waitAction(WaitOptions.waitOptions(Duration.ofSeconds(1)))

.moveTo(PointOption.point(end\_x, end\_y)).release().perform();

}

@Test

public void testone() throws MalformedURLException, InterruptedException

{

DesiredCapabilities capabilities = new DesiredCapabilities();

capabilities.setCapability(CapabilityType.BROWSER\_NAME, "");

capabilities.setCapability("deviceName", "Pixel 4 XL API 30");

capabilities.setCapability("appPackage", "io.selendroid.testapp");

capabilities.setCapability("appActivity", "io.selendroid.testapp.HomeScreenActivity");

capabilities.setCapability("autoGrantPermissions",true);

driver = new AndroidDriver<WebElement>(new URL("http://127.0.0.1:4723/wd/hub"), capabilities);

driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);

// driver.findElement(By.id(

// "com.android.permissioncontroller:id/continue\_button")).click();

driver.findElement(By.id("android:id/button1")).click();

String s =

driver.findElement(By.id("io.selendroid.testapp:id/visibleButtonTest")).

getText(); Assert.assertEquals(s, "Display text view");

String s1 =

driver.findElement(By.id("io.selendroid.testapp:id/showPopupWindowButton")).

getText(); Assert.assertEquals(s1, "Display Popup Window");

driver.findElement(By.xpath("//android.widget.EditText[@content-desc='my\_text\_fieldCD']")).sendKeys("Mukesh Selenium Appium");

driver.findElement(By.id("io.selendroid.testapp:id/startUserRegistration")).click();

Thread.sleep(2000);

driver.findElement(By.id("io.selendroid.testapp:id/inputUsername")).sendKeys("Admin");

driver.findElement(By.id("io.selendroid.testapp:id/inputEmail")).sendKeys("abc@gmail.com");

driver.findElement(By.id("io.selendroid.testapp:id/inputPassword")).sendKeys("Admin");

driver.findElement(By.id("io.selendroid.testapp:id/inputName")).clear();

driver.findElement(By.id("io.selendroid.testapp:id/inputName")).sendKeys("Mr John");

driver.findElement(By.id("android:id/text1")).click();

driver.findElement(By.xpath("/hierarchy/android.widget.FrameLayout/android.widget.FrameLayout/android.widget.FrameLayout/android.widget.LinearLayout/android.widget.LinearLayout[2]/android.widget.ListView/android.widget.CheckedTextView[6]")).click();

scroll(driver);

driver.findElement(By.id("io.selendroid.testapp:id/input\_adds")).click();

driver.findElement(By.id("io.selendroid.testapp:id/btnRegisterUser")).click();

Thread.sleep(2000);

driver.findElement(By.id("io.selendroid.testapp:id/buttonRegisterUser")).click();

Thread.sleep(2000);

}

}

Graphical user interface, text, application

Description automatically generatedGraphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

**RESULTS**

Graphical user interface, text, application

Description automatically generated

