

Download apk of **BanjaraRide 1.5.8** from ApkPure.

Open the Emulator by double click on the emulator2.bat file.

Then drag and drop the apk to the emulator.

Create a new maven project -> Make a tick on Create a simple project . . . -> Next -> Group id and Artifact id as BanjaraRideFramework -> Finish

Add the dependencies:

Selenium-java, java-client, selenium-remote-driver, testng(7.8)

Folder Structure:

src/main/java/[Folder]

 Utils/[Package]

 Pages/[Package]

 Config/[Package]

 Capability[Class]

src/main/resources[Folder]

 global.properties[File]

src/test/java

 (default package)[Package]

 FirstTest.java[Class]

Bring the emulator2.bat file at the path where pom.xml is present.

Script of Capability.java:

```
//dc.setCapability("platformName", "Android");
```

```
//Alternative of above code is as follows
```

```
//dc.setCapability(MobileCapabilityType.PLATFORM_NAME, "Android");
```

```
package config;
```

```
public class Capability{
```

```
    private static String udid;
```

```
    private static String deviceName;
```

```

        private static String platformVersion;
        private static String appPackage;
        private static String appActivity;
        public static AppiumDriverLocalService
appiumService;
        public static Process process;

        public static void startEmulator() throws
IOException, InterruptedException{
            Runtime.getRuntime().exec(System.getProperty("us
er.dir") + "\\emulator2.bat");
            Thread.sleep(10000);
        }

        public static AppiumDriverLocalService
startAppium(){
            appiumService =
AppiumDriverLocalService.buildDefaultService();
            return appiumService;
        }

        public static void capabilities() throws
IOException{
            // From Properties of global.properties[File]
            FileReader reader = new
FileReader(System.getProperty("user.dir") +
"\\src\\main\\resources\\global.properties");

            Properties ps = new Properties();
            ps.load(reader);
            Udid = ps.getProperty("udid");
            deviceName = ps.getProperty("deviceName");

```

```

        platformVersion =
ps.getProperty("platformVersion");
        appPackage = ps.getProperty("appPackage");
        appActivity = ps.getProperty("appActivity");
        DesiredCapabilities dc = new
DesiredCapabilities();

        dc.setCapability("platformName", "Android");
        dc.setCapability("platformVersion",
platformVersion);
        dc.setCapability("deviceName", deviceName);
        dc.setCapability("udid", udid);
        dc.setCapability("automationName",
"UiAutomator2");

        dc.setCapability("appPackage", appPackage);
        dc.setCapability("appActivity", appActivity);
        // When we run the emulator it resets
        dc.setCapability("noReset", true);
        dc.setCapability("autoGrantPermissions", true);

        URL url = new URL("http://127.0.0.1:4723");
        AndroidDriver driver = new AndroidDriver(url,
dc);
        System.out.println("Application Started. . . ");
    }

```

```

    public static void main(String[] args) throws
IOException, InterruptedException {
        // So there is no need to open the command Prompt
        // and emulator2.bat file for starting the emulator
        // and appium

```

```

        startEmulator();
        startAppium().start();
        Thread.sleep(4000);
        capabilities();
    }
}

```

Then run the appium server by typing appium in the command prompt.

Script in global.properties:

```

deviceName = appDevice
platformVersion = 14
appPackage = com.forbinary.banjararide
appActivity =
com.forbinary.banjararide.activity.SplashActivity
udid = emulator-5554

```

Modified Script of Capability.java

```

package config;

public class Capability{
    private static String udid;
    private static String deviceName;
    private static String platformVersion;
    private static String appPackage;
    private static String appActivity;
    public static AppiumDriverLocalService
appiumService;
    public static Process process;

    public static void startEmulator() throws
IOException, InterruptedException{
        Runtime.getRuntime().exec(System.getProperty("us
er.dir") + "\\emulator2.bat");
        Thread.sleep(10000);
    }
}

```

```

    }

    public static AppiumDriverLocalService
startAppium(){
        appiumService =
AppiumDriverLocalService.buildDefaultService();
        return appiumService;
    }
    // Converted to AndroidDriver to use driver anywhere
    public static AndroidDriver capabilities() throws
IOException{
        FileReader reader = new
FileReader(System.getProperty("user.dir") +
"\src\main\resources\global.properties");

        Properties ps = new Properties();
        ps.load(reader);
        Udid = ps.getProperty("udid");
        deviceName = ps.getProperty("deviceName");
        platformVersion =
ps.getProperty("platformVersion");
        appPackage = ps.getProperty("appPackage");
        appActivity = ps.getProperty("appActivity");
        DesiredCapabilities dc = new
DesiredCapabilities();

        dc.setCapability("platformName", "Android");
        dc.setCapability("platformVersion",
platformVersion);
        dc.setCapability("deviceName", deviceName);
        dc.setCapability("udid", udid);
    }

```

```

        dc.setCapability("automationName",
            "UiAutomator2");

        dc.setCapability("appPackage", appPackage);
        dc.setCapability("appActivity", appActivity);
        // When we run the emulator it resets
        dc.setCapability("noReset", true);
        dc.setCapability("autoGrantPermissions", true);

        URL url = new URL("http://127.0.0.1:4723");
        AndroidDriver driver = new AndroidDriver(url,
            dc);
        System.out.println("Application Started. . . ");
        return driver;
    }
    // main is not available
}

```

Script of FirstTest.java:

```

import config.Capability;
import io.appium.java_client.android.AndroidDriver;
public class FirstTest{
    static AndroidDriver driver;

    @BeforeClass
    public void setup() throws IOException,
        InterruptedException{
        Capability cap = new Capability();
        cap.startEmulator();
        cap.startAppium().start();
        Thread.sleep(4000);
        driver = cap.capabilities();
    }
}

```

```
@Test
private void test1(){
    System.out.println("Test1");
}
}
```

Install the testNG from the Marketplace -> Run as TestNG
test