**Assignment Solution**

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**Task completed:** IOS Assignment & Android Assignment (Both)

**Tools overview 🡪**

Native Tool Selection: Appium (CLI or Desktop )

Command: Selenium commands

Language: Java(11)

Reporting : Allure

CI : Jenkins

Source control: Github

Test Management: TestNG

BuilTool : Maven

CI tool: Jenkins

**Framework overview 🡪**

A picture containing table

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\*Android Test package: Contains Android Test scripts

A picture containing graphical user interface

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\*Common package: Contains Common scripts such as capabilities, driver,base class, base function which are common for IOS & Android

Graphical user interface, text, application

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\*IOSTest Package: contains IOS test script

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\*Pages package: contains android & IOS locators

Graphical user interface, text, application

Description automatically generated

\*Resources : contains Apps & property file

\*\*Android APK file is already provide in this property file application.path.android=/src/test/resources/apps/app-debug.apk

Graphical user interface, text, application

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\*TestNG.XML : two seprate testng are prepared for IOS and android to manage the execution individually ( can be combined if required to execute parallel)

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\*Allure Reports: Generated Report are stored in this path

Text

Description automatically generated

\*Screenshot: Screenshot are saved in below path on script failure

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\*TestNG report: TestNG report are also generated here

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\*POM.xml: Dependencies are managed in this xml file

How to Run Android Script🡪

1: Please follow the tool setup instruction in readme file in github

2: Clone the project using “git clone repoURL”

3:Use any IDE “eclipse preferable” or “intellij”

4:Navigate to this path in Project

/project.abnAmro.Assignment/src/test/resources/Property/abn.properties

5:Provide the below details required for running script on your android device

Text

Description automatically generated

**Mandatory**\* keep below 2 same for running on android

platform.name=android

device.type.test=android

\*user can edit this as per his android device

android.RealUDID=\*\*\*\*\*\*\*

android.deviceName=Samsung

android.version=10.0

6: Now user can choose one of option for running the script

1. Using TestNG: user can directly run androidtestng.xml
2. Using pom from command line: navigate to project path and use “mvn clean test -Dsurefire.suiteXmlFiles=androidtestng.xml”

How to Run IOS Script🡪

1: Please follow the tool setup instruction in readme file in github

2: Clone the project using “git clone repoURL”

3:Use any IDE “eclipse preferable” or “intellij”

4:Navigate to this path in Project

/project.abnAmro.Assignment/src/test/resources/Property/abn.properties

5:Provide the below details required for running script on your IOS device

Text

Description automatically generated

**Mandatory**\* keep below 2 same for running on android

platform.name=IOS

device.type.test=iphonesimulator Or Iphone(if need to run on real device)

\*user can edit this as per his IOS simulator or real device

ios.sim.device=iPhone 6s

ios.sim.version=12.4

IOS.Real.UDID=\*\*\*\*\*\*\*\*\*\*

6: Now user can choose one of option for running the script

1. Using TestNG: user can directly run iOStestng.xml
2. Using pom from command line: navigate to project path and use “mvn clean test -Dsurefire.suiteXmlFiles=iOStestng.xml”

Reporting:

If MAC OS: use below command

brew install allure

Now after execution of Maven test in command line

Go to terminal and navigate to automation project path in terming using cd

And type

**Serve allure**

This will launch the report

CI Tool:

**Jenkins** is integrated with Gihub to check for build and run the Build based on one maven command “mvn clean test -Dsurefire.suiteXmlFiles=iOStestng.xml”

Or

mvn clean test -Dsurefire.suiteXmlFiles=androidtestng.xml

\*\*Jenkins also generate the allure report

\*\*Local host Jenkins is used by me for execution on CI tool