

Automation Engineer Level 1

Exercise 9b

Create Car Insurance Quote on Mobile



Objective

By the end of this exercise, you will be able to demonstrate the Mobile Scan to scan the mobile app controls and Tricentis Mobile Agent (TMA) to connect to android device and run mobile tests.

Why is this Important?

Tricentis Mobile Agent (TMA) supports connecting to physical android and iOS devices, iOS simulators and Android emulators to create and run mobile tests.

Project Perspective

Mobile test automation is required to test the mobile native apps and web apps. To create tests, scanning the controls of the app is necessary, and Mobile Scan is the tool to do so. This exercise will help you to perform the required steps to scan the mobile app controls, configure and run the mobile TestCase.

Instructions

1. Ensure that the mobile device is connected to your system using USB cable
2. Navigate to **Modules section>> Mobile Modules** in Tosca Commander
3. Right click on Mobile Modules folder and select **Scan-> Mobile**, this will open the Mobile Scan wizard
4. Select the **Device** and **App** and click on **Connect**
5. Click **Scan** and select the Car, Motorbike and Truck button controls, **Save** and then click **Finish Screen**
6. From the Vehicle Data screen scan the following controls:

- Make
- Year of Construction
- Listprice
- MileagePerYear
- Performance
- Fuel
- Usage
- Person Data (button on top)

7. From the Person Data screen scan the following controls:

- FirstName
- LastName
- DayOfBirth
- GenderMale
- Occupation
- PersonUnder23No
- Product Details (button on top)

8. From the Product Data screen scan the following controls:

- PreferredStartDate
- PaymentOption
- DamageInsurance
- Quote (button on top)

9. From the Quote screen scan the following controls:

- Quote amount
- Reset

Exercise 9b | Create Car Insurance Quote on Mobile App

10. Navigate to the TestCase section and create a new TestCase and rename it as **Generate quote for Car**

11. Add the module **Open Mobile App** to this TestCase and input values as shared in the table below:

TestStep Value	Value	ActionMode
Application	<APK path or PackageName/ActivityName>	Input

12. Add the module **Select Vehicle Type** to this TestCase and input values as shared in the table below:

TestStep Value	Value	ActionMode
Car	X	Input

13. Add the module **Enter Vehicle Data** to this TestCase and input values as shared in the table below

TestStep Value	Value	ActionMode
Make	BMW	Input
Year of Construction	2021	Input
Listprice	10000	Input
MileagePerYear	1000	Input
Performance	10	Input
Fuel	20	Input
Usage	Normal	Input

14. Add the module **Enter Vehicle Data** to this TestCase, rename the TestStep to **Navigate to Person Data** and input values as shared in the table below:

TestStep Value	Value	ActionMode
Person Data	X	Input

15. Add the module **Enter Person Data** to this TestCase and input values as shared in the table below:

TestStep Value	Value	ActionMode
FirstName	John	Input
LastName	Doe	Input
DayOfBirth	31.12.1995	Input
GenderMale	X	Input
Occupation	Farming	Input
PersonUnder23No	X	Input

16. Add the module **Enter Person Data** to this TestCase rename the TestStep to **Navigate to Insurance Details** and input values as shared in the table below:

TestStep Value	Value	ActionMode
Product Details	X	Input

17. Add the module **Enter Insurance Data** to this TestCase and input values as shared in the table below:

TestStep Value	Value	ActionMode
PreferredStartDate	31.12.2022	Input
PaymentOption	Cash	Input
DamageInsurance	100000	Input

18. Add the module **Enter Insurance Data** to this TestCase rename the TestStep to **Navigate to Quote Details** and input values as shared in the table below:

TestStep Value	Value	ActionMode
Quote	X	Input

19. Add the module **Quote data** to this TestCase and input values as shared in the table below:

TestStep Value	Value	ActionMode
Quote amount	TotalPremium	Buffer
Reset	X	Input

20. Navigate to **Test configuration** tab of the TestCase and add the below mentioned configuration parameters
 - DeviceName = <UDID of the mobile device>
 - LiveView = True
 - TMA Server = <TMA Server address>
21. Mark the TestCase **Completed** and drop it in an ExecutionList, run the TestCase from the ExecutionList

Expected outcome

The TestCase should be executed successfully, and the quote creation process steps would be performed on the mobile app present on the connected android device with its live view visible on the system.

Hints

Similarly, iOS TestCases can be created using the Mobile Scan.