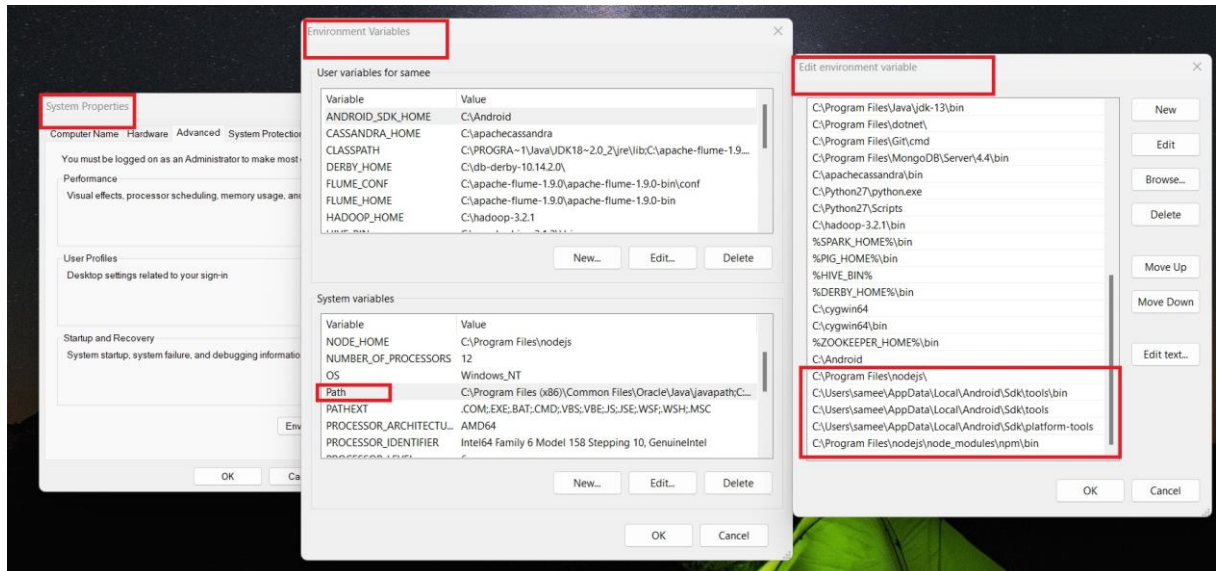


### Instructions to build and run source code.

1. Download Java latest version from <https://www.oracle.com/java/technologies/downloads/>
2. Download Android Studio from <https://developer.android.com/studio>
3. Download Node from <https://nodejs.org/en/download>
4. Set the path of installed Java, Android SDK and Node in System Variable of Windows System.



5. Download Eclipse editor for development from <https://www.eclipse.org/downloads/packages/installer> and create a Maven project in it.

Create a Maven project:

Group ID - represents Package name

Artifact ID - represents Project name

6. Add dependencies to the Eclipse project from Maven repository in pom.xml file

```
<!-- https://mvnrepository.com/artifact/io.appium/java-client -->
<dependency>
  <groupId>io.appium</groupId>
  <artifactId>java-client</artifactId>
  <version>9.0.0</version>
</dependency>
<!-- https://mvnrepository.com/artifact/org.testng/testng -->
<dependency>
  <groupId>org.testng</groupId>
  <artifactId>testng</artifactId>
  <version>7.9.0</version>
  <scope>test</scope>
</dependency>
```

7. Install Appium Server via Node

Open Command prompt - Run as Administrator and execute below npm command

*"Npm install -g appium"*

```
Administrator: C:\WINDOWS\system32\cmd.exe - "node" "C:\Users\samee\AppData\Roaming\npm\node_modules\appium\index...
Microsoft Windows [Version 10.0.22621.2861]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>npm install -g appium

added 446 packages in 31s

56 packages are looking for funding
  run `npm fund` for details

npm notice
npm notice New patch version of npm available! 10.2.3 -> 10.2.5
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.2.5
npm notice Run `npm install -g npm@10.2.5` to update!
npm notice

C:\Windows\System32>appium
[Appium] Welcome to Appium v2.4.1
[Appium] The autodetected Appium home path: C:\Users\samee\appium
[Appium] Appium REST http interface listener started on http://0.0.0.0:4723
[Appium] You can provide the following URLs in your client code to connect to this server:
[Appium]   http://192.168.178.56:4723/
[Appium]   http://127.0.0.1:4723/ (only accessible from the same host)
[Appium] No drivers have been installed in C:\Users\samee\appium. Use the "appium driver" command to install the one(s)
you want to use.
[Appium] No plugins have been installed. Use the "appium plugin" command to install the one(s) you want to use.
```

NOTE - Here Appium is started on 4723 port

8. Open Android Studio and configure Emulator(Uiautomator2)

```
C:\WINDOWS\system32\cmd. x + v
Microsoft Windows [Version 10.0.22621.2861]
(c) Microsoft Corporation. All rights reserved.

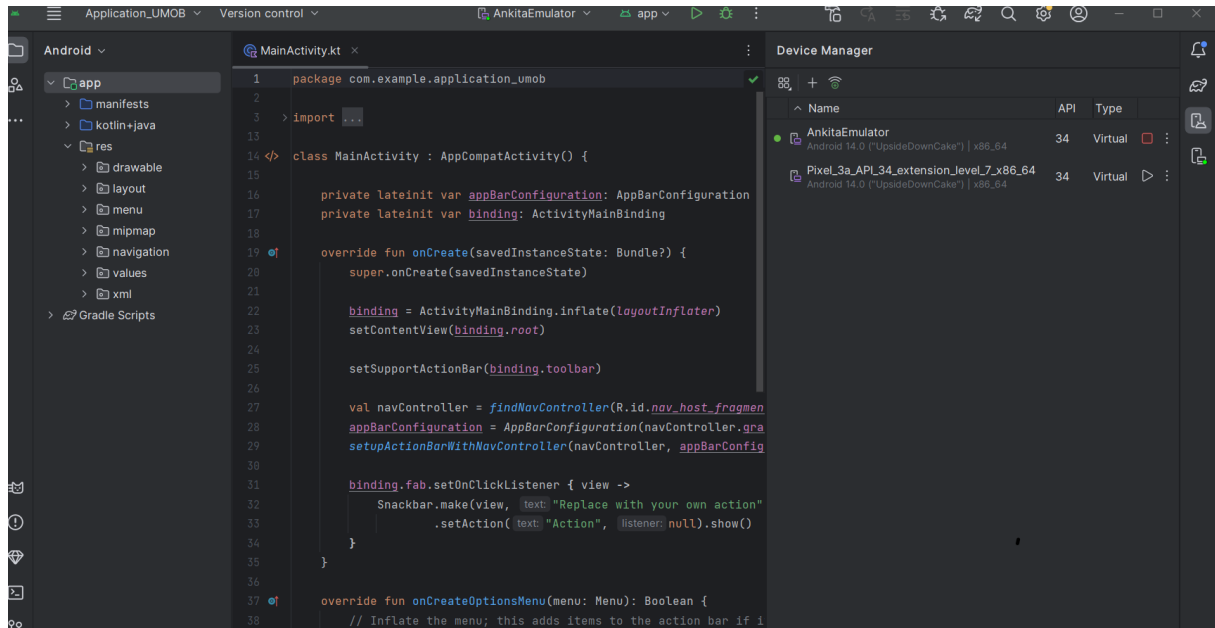
C:\Users\samee>node -v
v20.10.0

C:\Users\samee>appium -v
2.4.1

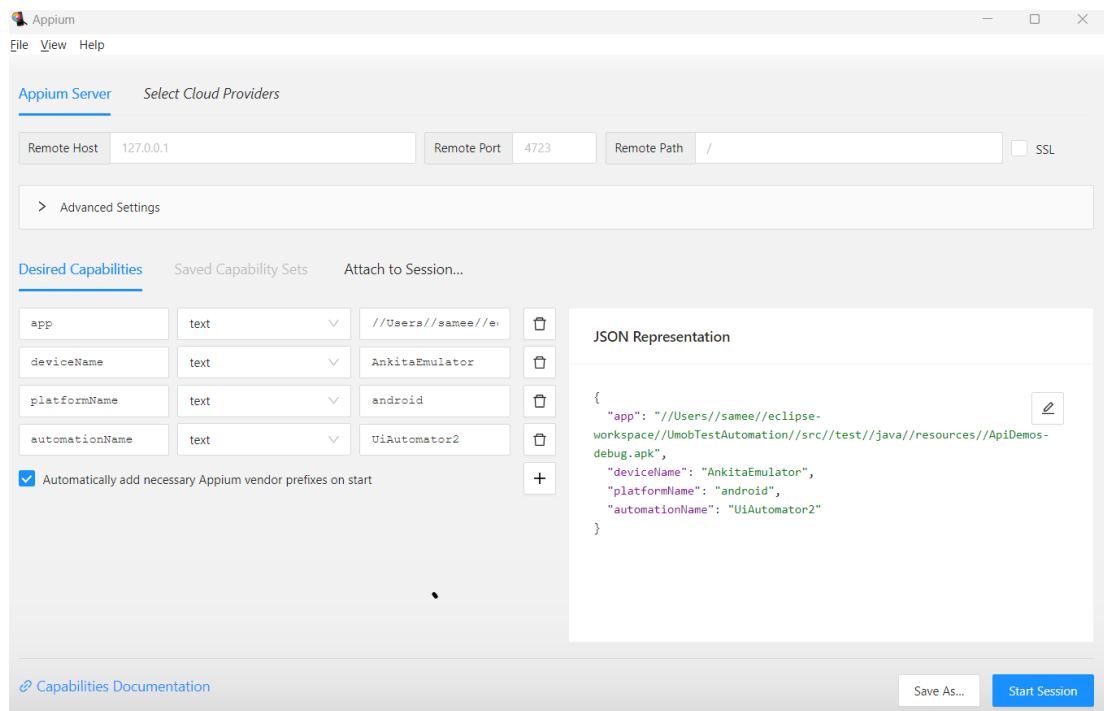
C:\Users\samee>appium driver list
✓ Listing available drivers
- uiautomator2 [not installed]
- xcuitest [not installed]
- mac2 [not installed]
- espresso [not installed]
- safari [not installed]
- gecko [not installed]
- chromium [not installed]

C:\Users\samee>appium driver install uiautomator2
✓ Checking if 'appium-uiautomator2-driver' is compatible
✓ Installing 'uiautomator2' using NPM install spec 'appium-uiautomator2-driver'
i Driver uiautomator2@2.39.0 successfully installed
- automationName: UiAutomator2
- platformNames: ["Android"]
```

Start the Emulator by clicking on the Arrow



9. Download Appium inspector – to locate properties of menu's inside Emulator/Virtual mobile Using <https://github.com/appium/appium-inspector/releases> link and add below capabilities in it.



Click on Start session to start the scanning and find properties/Locators.

10. Note - Before clicking on Start session button, we need to start the Emulator.  
11. Now all prerequisite is done, so run the project from eclipse IDE.