Mobile Automation Architecture

**Pre-Requisites :**

Node JS

Appium Server or Desktop

Android SDK or Android Studio

IDE (Eclipse or IntelliJ)

JDK 8 or above

**Project Details:**

Build Tool Used : Maven

Testing Framework : TestNG

Modal : Page Object Model

**Project Explanation:**

**Driver Base Class:**

* This class created an Android driver and set it to a ThreadLocal (To support parallel execution).
* Use getter and setter to set and get the Android driver created.
* All test classes should extend this class and use the driver created.

**WebElement Base Class:**

* This class returns webElement with Explicit wait condition.
* Use scrollAndSearchElement method to scroll the mobile screen and search for the element.
* All page classes should extend this class and get the required webelement.

**TestDataReader Class:**

* This class reads the required data from the Resource folder based on the parameter passed.

**Config Property File:**

* To maintain the device details or any properties

**Data Files as JSON:**

* All the data files address, payment, product and user details are maintained in json format for easy readable format.
* Used Json Path with query to retrieve the data from json file.