

Automation Engineer Proficiency Exercise

Overview

The purpose of this exercise is to assess the candidate automation developer's technical proficiency, coding knowledge and style. The exercise involves build a basic automation framework for mobile application automation. The exercise will be evaluated on coding style, understanding of programming concepts, choice of techniques and quality of the final product

Time to complete: 16 hours maximum

Specification

- Create a basic automation framework which supports Android devices
- Automate EBay mobile application using the Appium tool in real android device or the simulator.
- Download the Ebay application from the link
<https://drive.google.com/open?id=1RxStX5EwnSk81OPXMmnK9aXwMOlxfjOG>
- Use different kinds of gestures like click, scroll, swipe and other api's available in Appium
- Automation the scenario "Login to eBay mobile application and search for an item and add to cart and purchase it"
- Details of data to be tested: search for a 65-inch TV and purchase a random (not the first/last) TV from the search result
- Verify information (name/price/description...) on product search screen, comparing those info between product search screen vs checkout screen
- Must use assertion during verification
- TC must pass/fail base on assertion
- Read the data from external source
- Handle screen rotation efficiently.
- Handle different screen resolutions

Additional Guidelines

1. Comment your code where necessary.
2. Polish your code as much as possible - we expect professional, production quality code.
3. Feel free to use best coding practices