**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 web 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 all browsers

• Automate Flipkart web application using the Selenium tool which should support in any Browser

• Open the Flipkart portal from the link <https://www.flipkart.com>

• Use Grid, Javascript and different kinds of gestures like click, scroll, swipe other api’s available in Selenium

• Automation the scenario “Login to Flipkart portal and search for an item and add to cart and purchase it and logout”

• Details of data to be tested: search for a Camera and purchase a random (not the first/last) Camera from the search result

• Verify information (name/price/description...) on product search screen, comparing that 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 browser compatibility

**Additional Guidelines**

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