

# **Automate an E-Commerce Web ApplicationWritup**

## **Installation Guide:**

1. GitHub link:

[https://github.com/AnandKharwar/JAVA\\_fsd/tree/main/Phase-05](https://github.com/AnandKharwar/JAVA_fsd/tree/main/Phase-05)

2. Download the entire project as Zip in local system.

3. import the project in Eclipse IDE

## **DESCRIPTION**

To automate a real-world web application

### **Description:**

Flipkart is an e-commerce platform, and they have launched a new feature to search for a product in a particular category. Once the product is searched, Flipkart displays it as a list of product items. To enhance the performance of the application, Flipkart has implemented lazy loading. It displays only a few products that can come on the screen. To display or load more products, the user must scroll down. As a Test Engineer, you are expected to test this feature end-to-end.

### **Detailed Scenario:**

- Navigate to the Flipkart homepage (<https://www.flipkart.com/>)
- Determine a page load time with a performance test
  - Search for a product, say, “iPhone 13” under the “Mobile” category
    - Check if the images are loaded and visible till the screen height only
- Check if the page has a scroll

- Check the frequency at which the content will be refreshed while scrolling
  - Verify that the image is downloaded just before the user scrolls to its position and gets displayed in time
  - Verify that it navigates to the bottom of the page
  - Check whether different browsers and screen resolutions render it the same way.