**Retail Store Location Scraper Report**

**Objective:** To extract the store name, address, timings, phone number and coordinates (longitude, latitude) for the stores of a retail brand.

**Libraries Used:** For this assignment I used 4 libraries-

1. Selenium
2. Beautiful Soup
3. Geopy
4. Pandas

**Approach:** I chose to scrape the data for all Croma stores in India. I used BeautifulSoup to scrape the [Croma store locator](https://www.croma.com/store?location=default) and Selenium to interact with the webpage. Extracting the store name, address, timings and phone number was straight forward because of the convenient class names in the HTML source.

Extracting the longitude and latitude was a bit more challenging but it was a fun learning experience, for this problem I used the Geopy library, Since Geopy was not able to find the coordinates for all the exact addresses so my approach was to generalize the address area in a stepwise manner till Geopy was able to identify the longitude and latitude.