

# IMDb End-to-End (E2E) Testing Lab

## Lab Objective

In this lab you will implement **End-to-End (E2E) testing** using Selenium WebDriver in Python. By the end of this lab, you will:

- Understand the fundamentals of E2E testing.
- Learn how to automate a web application using Selenium.
- Write assertions to verify test outcomes.

## Lab Setup: Install Dependencies

- Make sure you have python installed.
- Selenium:
  - `pip install selenium`
- **Google Chrome and ChromeDriver:**
  - Download ChromeDriver: <https://sites.google.com/chromium.org/driver/>
  - To verify installation, run:
    - `python -c "import selenium; print(selenium.__version__)"`

In this lab, you will test the search functionality in the IMDb website. The provided script will help you step through this exercise.

The provided script does the following:

- Launch the IMDb homepage using Selenium.
- Locate the **search box** and enter a movie title.
- Asserts presence of the search box on the website homepage.
- Submits a search.

## TODO:

- Identify and select the **first result** from the search.
- Click on the movie to navigate to its details page.
- Verify the Movie Page Opened
  - Locate the **movie title** on the new page.
  - Use assertions to verify that the movie title matches the search query