Python script – movie suggestion BOT  
  
import os

import time

import pandas as pd

from selenium import webdriver

from selenium.webdriver.chrome.service import Service

from selenium.webdriver.chrome.options import Options

from selenium.webdriver.common.by import By

from selenium.webdriver.support.ui import WebDriverWait

from selenium.webdriver.support import expected\_conditions as EC

from selenium.common.exceptions import TimeoutException, NoSuchElementException

from webdriver\_manager.chrome import ChromeDriverManager

genre = input("Enter movie genre (e.g., action, comedy, drama): ").lower()

url = f"https://www.imdb.com/search/title/?genres={genre}&sort=user\_rating,desc"

options = Options()

options.add\_argument("--start-maximized")

options.add\_argument("--disable-gpu")

options.add\_argument("--no-sandbox")

options.add\_argument("--disable-dev-shm-usage")

options.add\_argument("--disable-blink-features=AutomationControlled")

service = Service(ChromeDriverManager().install())

driver = webdriver.Chrome(service=service, options=options)

try:

    driver.get(url)

    try:

        WebDriverWait(driver, 30).until(

            EC.presence\_of\_all\_elements\_located((By.CSS\_SELECTOR, ".ipc-metadata-list-summary-item"))

        )

    except TimeoutException:

        print("❌ Timed out waiting for movie list to load. Try again later.")

        driver.quit()

        exit()

    movies = driver.find\_elements(By.CSS\_SELECTOR, ".ipc-metadata-list-summary-item")

    movie\_data = []

    for movie in movies[:10]:

        try:

            title = movie.find\_element(By.CSS\_SELECTOR, "h3.ipc-title\_\_text").text

        except NoSuchElementException:

            title = "N/A"

        try:

            imdb\_rating = movie.find\_element(By.CSS\_SELECTOR, ".ipc-rating-star--rating").text

        except NoSuchElementException:

            imdb\_rating = "N/A"

        try:

            year = movie.find\_element(By.CSS\_SELECTOR, "span.dli-title-metadata-item:nth-child(1)").text

        except NoSuchElementException:

            year = "N/A"

        try:

            length = movie.find\_element(By.CSS\_SELECTOR, "span.dli-title-metadata-item:nth-child(2)").text

        except NoSuchElementException:

            length = "N/A"

        try:

            link = movie.find\_element(By.CSS\_SELECTOR, "a.ipc-title-link-wrapper").get\_attribute("href")

        except NoSuchElementException:

            link = "N/A"

        movie\_data.append([title, imdb\_rating, year, length, link])

    file\_name = f"top\_{genre}\_movies.csv"

    if os.path.exists(file\_name):

        file\_name = f"top\_{genre}\_movies\_{int(time.time())}.csv"

    df = pd.DataFrame(movie\_data, columns=["Title", "IMDB Rating", "Year", "Length", "URL"])

    df.to\_csv(file\_name, index=False, encoding="utf-8")

    print(f"\n✅ Data saved successfully in {file\_name}\n")

    print("🎬 Top 5 Movie Suggestions:")

    print(df.head(5).to\_string(index=False))

except Exception as e:

    print(f"❌ Error occurred: {type(e).\_\_name\_\_} - {e}")

finally:

    driver.quit()