Home Assignment <1>: Demonstrating Select class in Selenium

Learning Objective:

Implement the concept of Selenium WebDriver's Select class to automate and optimize interactions with the Facebook registration page, thereby understanding the handling of dropdown.

Expected Completion Time:

Best Case: 15 minutes
Average Case: 20 minutes

Assignment Details:

   - Automate the Facebook registration process using Selenium WebDriver.
   - Fill out the registration form with user information, including dropdowns and radio buttons.

Precondition:

   - Initialize ChromeDriver
   - Load the URL https://en-gb.facebook.com/
   - Maximize the browser window
   - Add an implicit wait to ensure the web page elements are fully loaded

Requirements:

   - Click on the *Create new account* button.
   - Enter the *First name*.
   - Enter the *Surname*.
   - Enter the *Mobile number* or *email address*.
   - Enter the *New password*.
   - Handle all three dropdowns in *Date of birth*
   - Select the radio button in *Gender.*

Hints to Solve:

   - Use Selenium methods such as get(), manage(), sendKeys(), click() to perform the required actions
   - Use findElement() to locate a web element
   - Use Select class to handle the dropdowns and use appropriate methods
   - Use click() to handle radio buttons

Reference Links:

Select class -
https://www.selenium.dev/selenium/docs/api/java/org/openqa/selenium/support/ui/Select.html

Expected Outcome:

Upon completion, you should be able to:

     - Gain proficiency in handling dropdown menus and radio buttons with Selenium WebDriver.
     - Automate the process of filling out the Facebook registration form.