

Classroom Assignment <1>: WebTable Interaction and Data Verification

Learning Objective:

Learn to automate interactions with web tables and verify data using Selenium WebDriver.

Expected Completion Time:

Best Case: 20 minutes

Average Case: 30 minutes

Assignment Details:

Automate interactions with a web table, extract data, and verify specific criteria using Selenium WebDriver.

Precondition:

- Initialize ChromeDriver
- Load the URL (<https://erail.in/>)
- Maximize the browser window
- Add an implicit wait to ensure the webpage elements are fully loaded

Assignment Requirements:

- Launch the erail URL.
- Enter "MAS" as the "From" station.
- Enter "MDU" as the "To" station.
- Uncheck the "Sort on Date" checkbox.
- Retrieve the train names from the web table.
- Verify if there are any duplicate train names in the web table.

Hints to Solve:

- Use Selenium methods such as ``get()``, ``findElement()``, ``findElements()``, ``sendKeys()``, and ``click()`` to perform the required actions.
- Use appropriate locators and techniques to extract data from the web table.
- Utilize appropriate Collection concept to check for duplicates.
- Utilize Conditional statements to verify the requirement.

Reference Links:

- WebTable Interaction - [WebTable Doc](#)

Expected Outcome:

Upon completion, you should be able to:

- Automate interactions with a web table, extract data, and verify specific criteria (e.g., duplicate train names) using Selenium WebDriver methods.