

Day 3

Report on selenium-beginners GitHub Repository:

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Repository URL

<https://github.com/Karthiknekraje/selenium-beginners.git>

Objective

The selenium-beginners repository offers a beginner-friendly collection of Python scripts designed to introduce users to browser automation using Selenium WebDriver. It serves as a hands-on guide to help newcomers understand key concepts in automation testing.

Repository Overview

The repository includes **11 Python scripts** along with essential supporting files like README.md and .gitignore. Each script is focused on demonstrating a specific feature of Selenium WebDriver, allowing learners to build their knowledge incrementally.

Script Breakdown

01_Navigate.Url.py

Opens a web browser and navigates to a specified URL. This forms the foundation of any Selenium automation task.

02_Fill_Text.py

Demonstrates how to locate input fields and enter text. This is crucial for automating login pages, forms, and search bars.

03_Set_Dropdown.py

Explores dropdown selection techniques—by visible text, value, or index—commonly used in forms and filtering options.

04_Enable_Checkbox.py

Covers identifying and selecting checkboxes, a frequent task in settings menus, preferences, and agreements.

05_Click_Button.py

Shows how to locate and click buttons. Button interaction is essential for submitting forms, navigating pages, and executing actions.

06_Form_Validation.py

Focuses on validating form behavior by detecting error messages and verifying that required fields are properly flagged.

07_Form_Submit_Success.py

Verifies successful form submission by checking for confirmation messages or page redirection after submission.

08_Hover.py

Utilizes action chains to hover over elements. Hover actions are especially useful for interacting with dynamic menus or tooltip displays.

09_Count_Rows.py

Counts rows in an HTML table, helping confirm data population and pagination.

10_Table_Text.py

Extracts and validates text from specific table cells. This is useful for checking data accuracy in UI tests.

11_Consolidated_Test.py

Combines multiple actions from earlier scripts into one integrated flow. This script simulates a real-world testing scenario by executing multiple steps in sequence.

Conclusion

The selenium-beginners repository is an excellent learning resource for those starting out in browser automation with Selenium. Each script is concise, well-focused, and collectively builds a strong foundation in automation testing.