Selenium Advanced – Practice Tasks

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1. Handling Alert Box

☐ **Practice Tasks**

1. Navigate to a demo site with JS alerts (`https://the-internet.herokuapp.com/javascript_alerts`).
   - o Task 1: Handle the "JS Alert" → print the alert text → accept it.
   - o Task 2: Handle the "JS Confirm" → dismiss it → verify result text.
   - o Task 3: Handle the "JS Prompt" → enter your name → accept → verify displayed text.

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2. Handling Datepicker

☐ **Practice Tasks**

1. Open `https://jqueryui.com/datepicker/`
   - o Task 1: Select **15th of current month**.
   - o Task 2: Select a date **2 months ahead**.
   - o Task 3: Select **today's date** dynamically using Java `LocalDate`.

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3. Handling Multiple Windows/Tabs

☐ **Practice Tasks**

1. Navigate to `https://the-internet.herokuapp.com/windows`
   - o Task 1: Click on "Click Here" → switch to new tab → print title.
   - o Task 2: Close child window → switch back to parent window.
   - o Task 3: Verify parent page text is still visible.

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4. Drag and Drop

☐ **Practice Tasks**

1. Open `https://the-internet.herokuapp.com/drag_and_drop`
   - o   Task 1: Drag column A to column B → verify text swap.
   - o   Task 2: Perform reverse drag (B to A).
   - o   Task 3: Use click-hold-move-release sequence instead of `dragAndDrop()`.

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5. Handling Iframes

☐ **Practice Tasks**

1. Open `https://the-internet.herokuapp.com/iframe`
   - o   Task 1: Switch into iframe → type "Hello Selenium".
   - o   Task 2: Clear text and type your full name.
   - o   Task 3: Switch back to default content → verify page header is visible.

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6. Handling Dynamic Objects

☐ **Practice Tasks**

1. Open `https://the-internet.herokuapp.com/dynamic_loading/2`
   - o   Task 1: Click "Start" → wait until text appears → print it.
   - o   Task 2: Use XPath with `contains()` to locate elements.
   - o   Task 3: Handle `NoSuchElementException` gracefully.

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7. Working with WebTable

☐ **Practice Tasks**

1. Open `https://the-internet.herokuapp.com/tables`
   - o   Task 1: Print all rows and columns of `table1`.
   - o   Task 2: Print email IDs of all users.
   - o   Task 3: Find and print the due amount of user **"Smith"**.
   - o   Task 4: Sort by "Last Name" column → verify order.

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8. Synchronization

Practice Tasks

1. Open `https://the-internet.herokuapp.com/dynamic_controls`
   - o Task 1: Use `Thread.sleep()` to wait for "It's gone!" message.
   - o Task 2: Use **Implicit Wait** to check if input box is enabled.
   - o Task 3: Use **Explicit Wait** to wait until button is clickable.
   - o Task 4: Use **Fluent Wait** with polling for the message element.

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9. Exception Handling

Practice Tasks

1. Open any page.
   - o Task 1: Try locating a non-existing element → handle `NoSuchElementException` with message.
   - o Task 2: Handle `TimeoutException` when element doesn't load.
   - o Task 3: Use `finally` block to always close the browser.