**Potential Bugs/Issues Found**

Since no duplicate columns were originally found, I manually introduced errors in the data to test the robustness of the automation framework. Below are the results based on the test execution.

**Issue 1: Duplicate Column Found (Test Data)**

**Issue:**

A duplicate column was manually added to simulate an error and verify that the test correctly detects it.

**Details:**

| **File Name** | **Duplicate Column Found** |
| --- | --- |
| y\_02.01.csv | "c0040" (appeared twice) |

**Why This is Important?**

* The test correctly failed and flagged the issue.
* Confirms that the framework successfully detects duplicate columns.
* Ensures that real duplicates would be caught in future reports.

A screenshot of a computer

AI-generated content may be incorrect.

**Suggested Fix (If This Were a Real Issue):**

* Ensure each column name appears only once per file.
* Remove or rename duplicate column headers.

**Issue 2: Invalid Value in Yes/No Column**

**Issue:**

An incorrect value was found in a column that should only contain "Yes" or "No" in y\_07.01.csv.  
This was not manually added but already existed in the file.

**Details:**

| **File Name** | **Column** | **Invalid Value** |
| --- | --- | --- |
| y\_07.01.csv | "y\_07.01.0080" | " PJKqTqBT:xAg2bs" |

**Why This is Important?**

* The test correctly failed and highlighted the issue.
* Confirms that the framework only allows "Yes" or "No" values.
* Helps prevent submission errors due to incorrect formats.

A screenshot of a computer screen

AI-generated content may be incorrect.

**Suggested Fix:**

* Replace " PJKqTqBT:xAg2bs" with a valid value: "Yes" or "No".
* Check other Yes/No fields in y\_07.01.csv for similar mistakes.

**Summary of Findings**

| Issue Type | Affected File(s) | Outcome |
| --- | --- | --- |
| Duplicate Column (Simulated Error) | y\_02.02.csv | ✅ Test correctly detected duplicate " c0040" |
| Invalid Yes/No Value (Existing Data Issue) | y\_07.01.csv | ✅ Test correctly flagged " PJKqTqBT:xAg2bs" as an invalid value |

**Conclusion**

* The automation framework is working as expected.
* Duplicate column detection and Yes/No validation successfully identified issues.
* y\_07.01.csv already contained invalid data, and the test correctly reported it.
* The framework can now be used to validate future regulatory reports.