Error report — PDF-Downloader project, Week 5

2025-10-16

Code changes:

DownloadManager was set as "internal class". Changed to "public class".

Property "AllowedTypes" in DownloadManager had been renamed to follow naming convention; other references to the property had not. Changed references to adhere to property naming convention.

Method "readTableFromExcelFileNoHeaders" threw an exception on populating table row. Now uses an index instead of attempting to call a non-existent column name.

Method "readTableFromCsvFileWithHeaders" returned an empty table; a line of code to add row to DataTable was missing. Line of code was added. *See section 'Failing tests' below.*

Failing tests:

FileHandlerTests.TestReadFailingExcelFile

IMPACT: LOW

Test was expected to fail based on code analysis. An Excel file can have multiple "worksheets", though the code assumes only one exists or is pertinent.

FileHandlerTests.TestReadSucceedingCsvFile

IMPACT: HIGH

Test was not expected to fail.
Test proved that a line of code was missing, which was supposed to add each row to the DataTable after row had been populated.

IntegrationTests.testDownloadAndSaveFromCsvData

IMPACT: HIGH

Test throws error during teardown.
Teardown is supposed to delete file(s) downloaded during run of test. This process fails.
DownloadManager.tryDownloadAsync() does not close stream(s).

Other notes:

FileHandler.tryFixDuplicateName() should have been a static method.
Additionally, method should probably be private, as it has little use outside of the scope and purpose of the class.