Assignment - Excel Modification

Problem Statement

1. Create a JSON Config with following rules:
    a. File name
    b. Allowed Sheet names
    c. Allowed column names with specified dtype
2. Drop all the sheets that are not allowed
3. Drop all the columns that are not allowed
4. Convert columns to specified dtype (as per json config)
5. All column names should be capitalised
6. Column names should be trimmed of any extra spaces or new lines (Start and End)
7. Replace all spaces and newlines between column names with underscore (_)
8. Column with (int or float) dtype cannot have empty values, therefore the values should be replaced with default values (ex: 0)
9. Column with (int or float) dtype cannot have special characters or string values therefore the values should be replaced with default values (ex: 0)
10. Generate a diff report for each of the sheets to show the values that have changed
11. Create output file with transformed data

Duration: 3 hours

Private and Confidential