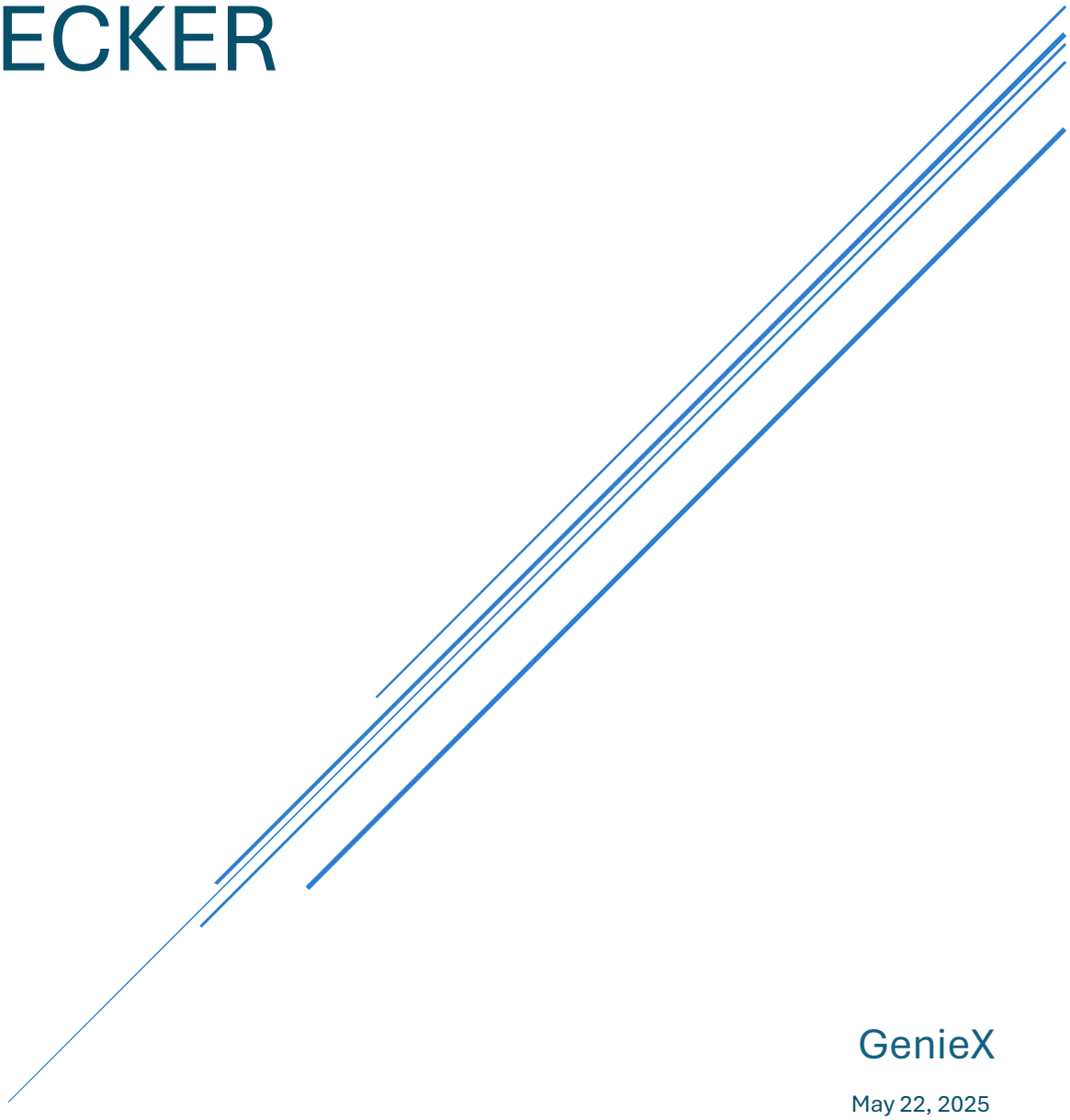
Z-READ & EJOURNAL CHECKER



GenieX

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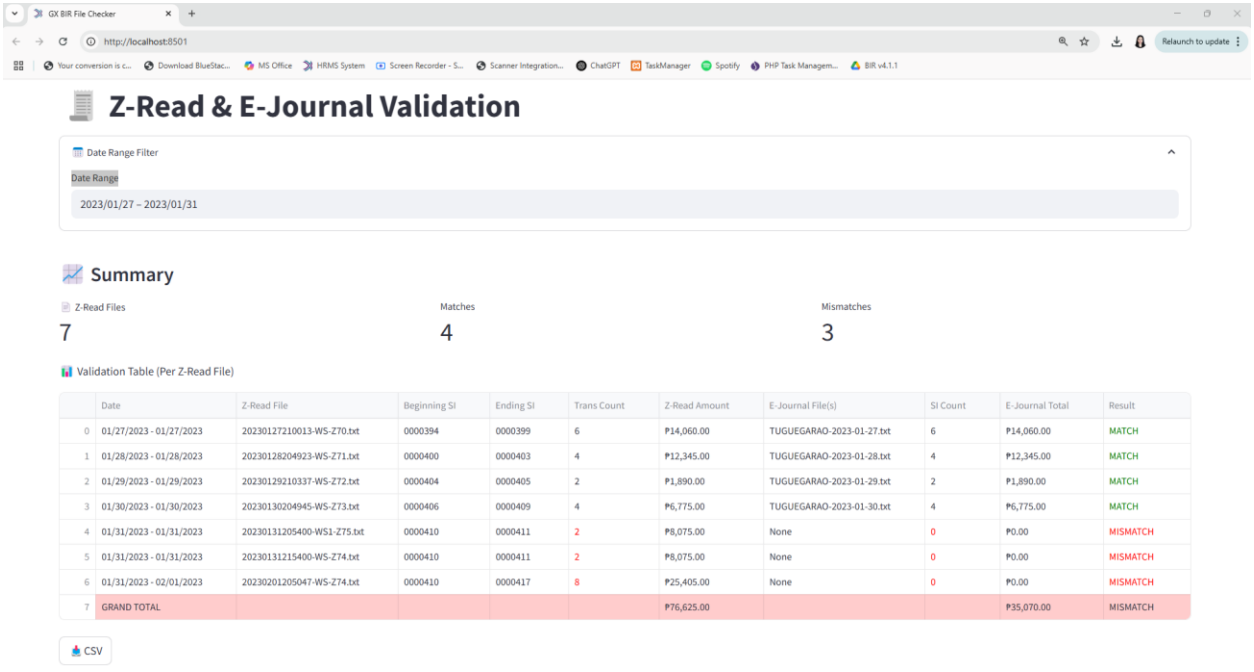
About

The **GX BIR File Checker** is a tool designed to compare Z-Reading amounts with E-Journal amounts for accuracy and consistency. It also counts the total number of transactions per day and highlights any discrepancies in amounts or missing transactions.

Users can specify a date range to filter the data. The application will automatically generate and display the comparison results in a table format. Each row indicates whether the Z-Reading and E-Journal records match for the selected dates. Additionally, users have the option to download the results in CSV format for reporting or further analysis.

File checkers are commonly used in software systems to:

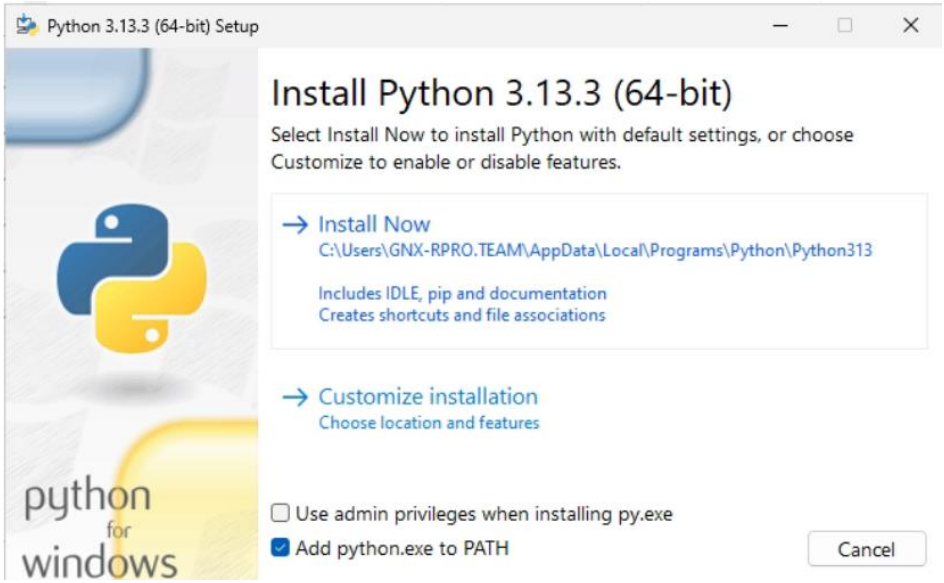
- Confirm file availability before processing
- Validate file names, extensions, or date patterns
- Check for corruption or incomplete data
- Trigger alerts or logs if expected files are missing or invalid



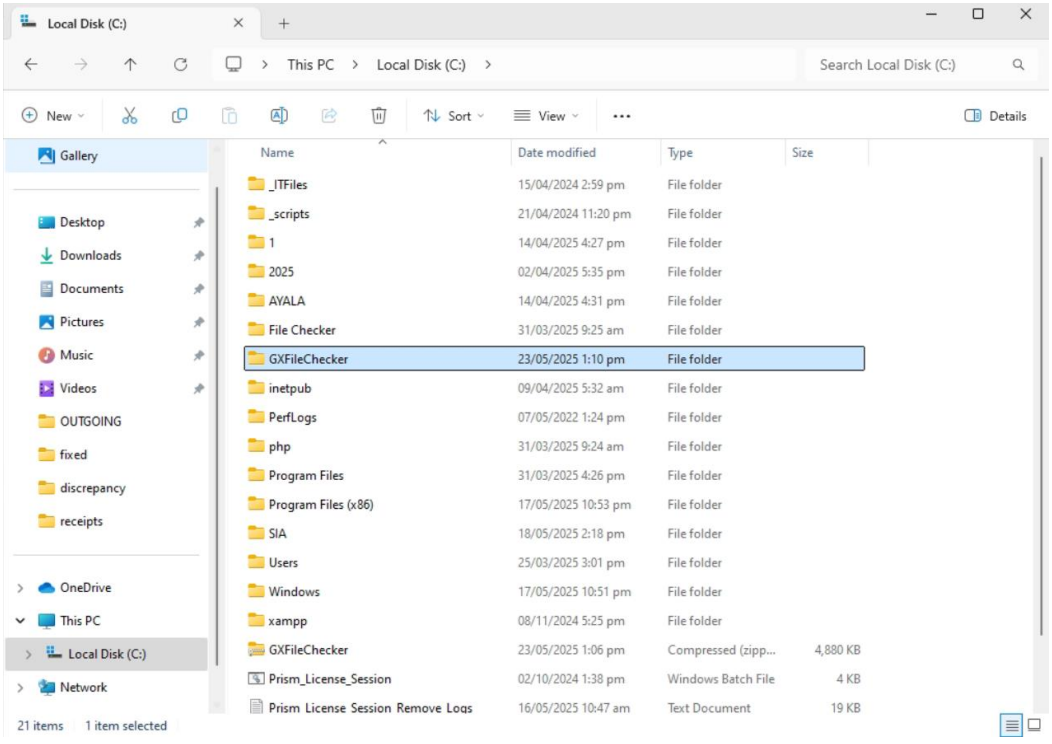
	Date	Z-Read File	Beginning SI	Ending SI	Trans Count	Z-Read Amount	E-Journal File(s)	SI Count	E-Journal Total	Result
0	01/27/2023 - 01/27/2023	20230127210013-WS-Z70.txt	0000394	0000399	6	₱14,060.00	TUGUEGARAO-2023-01-27.txt	6	₱14,060.00	MATCH
1	01/28/2023 - 01/28/2023	20230128204923-WS-Z71.txt	0000400	0000403	4	₱12,345.00	TUGUEGARAO-2023-01-28.txt	4	₱12,345.00	MATCH
2	01/29/2023 - 01/29/2023	20230129210337-WS-Z72.txt	0000404	0000405	2	₱1,890.00	TUGUEGARAO-2023-01-29.txt	2	₱1,890.00	MATCH
3	01/30/2023 - 01/30/2023	20230130204945-WS-Z73.txt	0000406	0000409	4	₱6,775.00	TUGUEGARAO-2023-01-30.txt	4	₱6,775.00	MATCH
4	01/31/2023 - 01/31/2023	20230131205400-WS1-Z75.txt	0000410	0000411	2	₱8,075.00	None	0	₱0.00	MISMATCH
5	01/31/2023 - 01/31/2023	20230131215400-WS-Z74.txt	0000410	0000411	2	₱8,075.00	None	0	₱0.00	MISMATCH
6	01/31/2023 - 02/01/2023	20230201205047-WS-Z74.txt	0000410	0000417	8	₱25,405.00	None	0	₱0.00	MISMATCH
7	GRAND TOTAL					₱76,625.00			₱35,070.00	MISMATCH

Installation

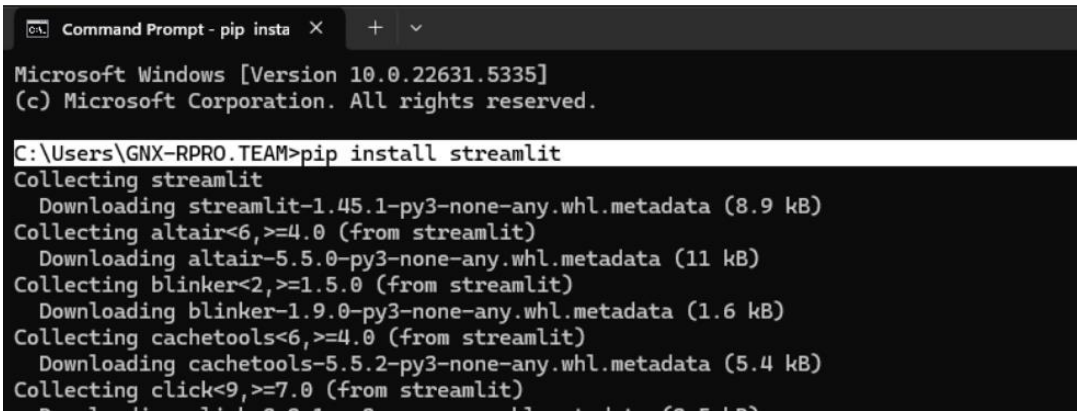
1. Download Python from https://www.python.org/downloads/
    a. Set-up and install application. Click “Install Now”
    IMPORTANT! Check the box that says "Add Python to PATH"



2. Extract the **GXFileChecker** zip file on Local Disc (C:).

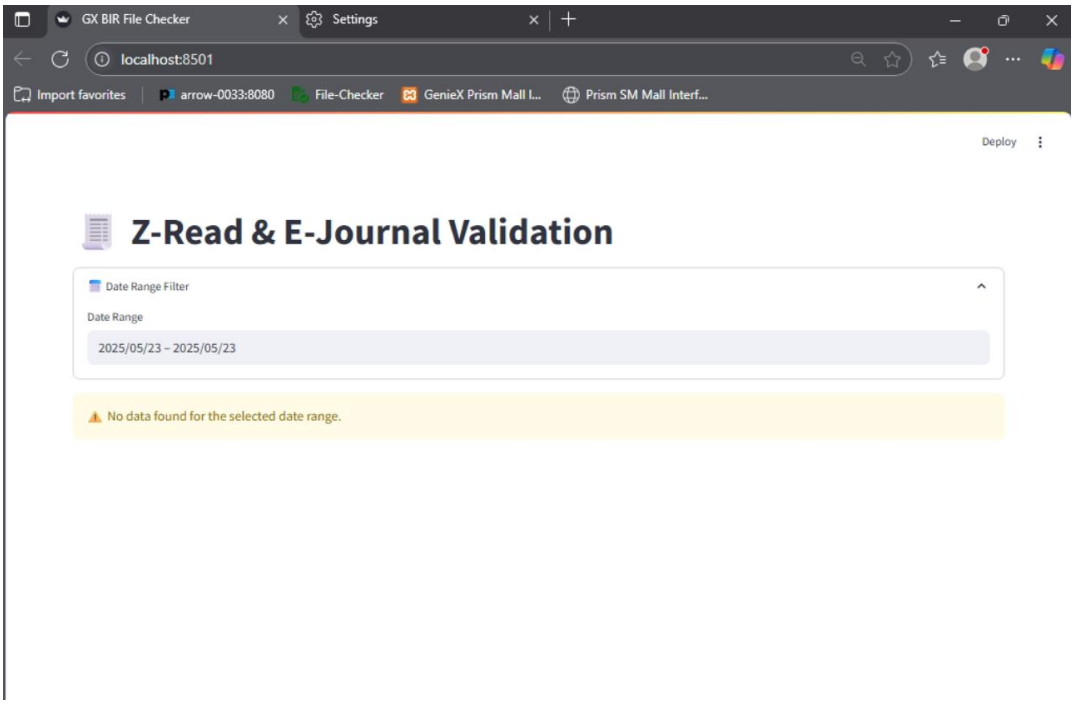


3. Open CMD. Run "pip install streamlit". Wait until successfully installed.



4. Go to folder "C:\GXFileChecker". Make sure that the folder is extracted on Local Disc (C:).

5. To run the application. type "streamlit run file_checker_app.py". Then, click enter. The web application will automatically open on the browser.



Documentation

Configuration

All the configuration setup for GX BIR File Checker is stored in **config.json** file. See the table below for reference.

Labels	Description
zread_folder_path	ZOut folder path.
ejournal_folder_path	BIREjournals folder path.
receipt_header_keyword	Transaction receipt header keyword
receipt_date_pattern	Transaction receipt date format. See Receipt Date Patterns table below.
receipt_type_pattern	Transaction receipt type format. See Receipt Type Patterns table below.

Receipt Date Patterns

This configuration specifies standardized formats for displaying dates on receipts. Each date_pattern corresponds to a specific format, ensuring consistency across transaction records and journal exports.

If the receipt date format is not listed, please contact the developer for assistance.

Code Name	Format	Example
date_pattern_1	Month dd, yyyy	January 31, 2025
date_pattern_2	mm/dd/yyyy hh:mm	02/23/2025 08:14

Receipt Type Patterns

This configuration defines the patterns used to identify the type of receipt from ejournal file. Each type_pattern corresponds to a specific format, ensuring consistency across transaction records.

If the receipt type format is not listed, please contact the developer for assistance.

Code Name	Format
type_pattern_1	Receipt Type:
type_pattern_2	***