

Configuration Document

Ageing Report Automation

1. Introduction

This document provides a detailed overview of the configuration settings, system requirements, and step-by-step setup process for the Document Ageing Report Automation project. The project automates the generation of document ageing reports using Excel files, ensuring efficiency and accuracy.

2. Project Scope

The Document Ageing Report Automation project aims to:

- Automate data extraction from Excel files.
 - Create individual account sheets dynamically.
 - Summarize data in a consolidated report.
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3. System Requirements

3.1. Software Requirements

- **RPA Tool:** UiPath Studio
- **Operating System:** Windows 10 or higher
- **Microsoft Excel:** Version 2016 or later
- **Optional:** .NET Framework for additional functionalities

3.2. Hardware Requirements

- **Processor:** Intel Core i5 or equivalent
 - **RAM:** 8GB or higher
 - **Storage:** Minimum 20GB free space
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4. Configuration Details

4.1. File Paths

- **Final Report Template Location:**
C:\Ageing Report Automation\files\template\FinalReportTemplate.xlsx
 - **Export File Location:**
C:\Ageing Report Automation files\export.xls
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- **Output Report Folder:**
C:\Ageing Report Automation files\final report\[Today Date(DD-MM-yyyy)]\
- **Log File Location:**
C:\Users\[User]\AppData\Local\UiPath\Logs\[Today Date(DD-MM-yyyy)]_Execution.log
- **Final Report Folder:** The folder where the last completed final report will be saved. A new folder named with the **Today Date** is created dynamically in the Output directory.
 - Example: files\final report\17-12-2024\

4.2. Variables

Variable Name	Description
finalReportTemplateLocation	Path to the final report template
finalReportLocation	Path to the output folder for the final report
accountValue	Stores the current account number from the data row
existingSheets	Retrieve all sheet names from the final report Excel workbook
templateSheetName	Name of the template sheet in the workbook
originalDate	Stores the current system date and time
formattedDate	Reformatted date in dd.MM.yyyy format
OutLastRowIndexOfDocAgeing	Finds the last row number with data in 'Amount in Doc. Curr.' column
todayDate	Stores today's date in dd.MM.yyyy format
LastRowOfAmountInDocCurr	Index of the row before the last data entry in a specific column
formatDateTimeForLog	Formatted date-time string for log messages in dd-MM-yyyy HH:mm:ss format
finalReportFolder	Path to today's date-named folder where the final report will be saved

4.3. Settings

- **Template Sheet Name:** Template
- **Summary Sheet Name:** Summary
- **Date Format:** dd.MM.yyyy
- **Log Date-Time Format:** dd-MM-yyyy HH:mm:ss

5. Key Dependencies

The project leverages the following UiPath packages:

- **UiPath.Excel.Activities (v2.24.4)**: For handling Excel-related operations.
 - **UiPath.MicrosoftOffice365.Activities (v2.8.20-preview)**: To integrate with Office 365 services.
 - **UiPath.System.Activities (v24.10.7)**: For core functionalities and system activities.
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6. Step-by-Step Setup

6.1. Environment Setup

1. Install UiPath Studio on the designated machine.
2. Ensure Microsoft Excel is installed and configured properly.

6.2. File Setup

1. Place the FinalReportTemplate.xlsx file in the Templates folder.
2. Ensure the export.xls file is updated in the Data folder.

6.3. Variable Configuration

1. Open the UiPath project in Studio.
2. Navigate to the **Variables** panel and ensure the following are set:
 - finalReportTemplateLocation: Set the file path for the template.
 - finalReportLocation: Set the output path for the final report.
 - formatDateTimeForLog: Ensure log messages use this format.
 - finalReportFolder: Set dynamically for today's date folder in the output path.
 - Verify dynamic variables like accountValue, existingSheets, originalDate, formattedDate, etc.

6.4. Workflow Execution

1. Run the workflow with a test dataset in export.xls.
 2. Verify the FinalReport.xlsx is generated correctly in the output folder under the today-named subfolder.
 3. Check the logs for skipped rows or errors.
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7. Logging and Error Handling

7.1. Log Configuration

Logs are stored in: C:\Users\[User]\AppData\Local\UiPath\Logs\[Today Date(DD-MM-yyyy)] _Execution.log

- Log levels:
 - **Info:** General workflow progress.
 - **Error:** Any exceptions encountered during execution.
- **Log Message Format:** formatDateTimeForLog ensures all log entries use the date-time format dd-MM-yyyy HH:mm:ss.

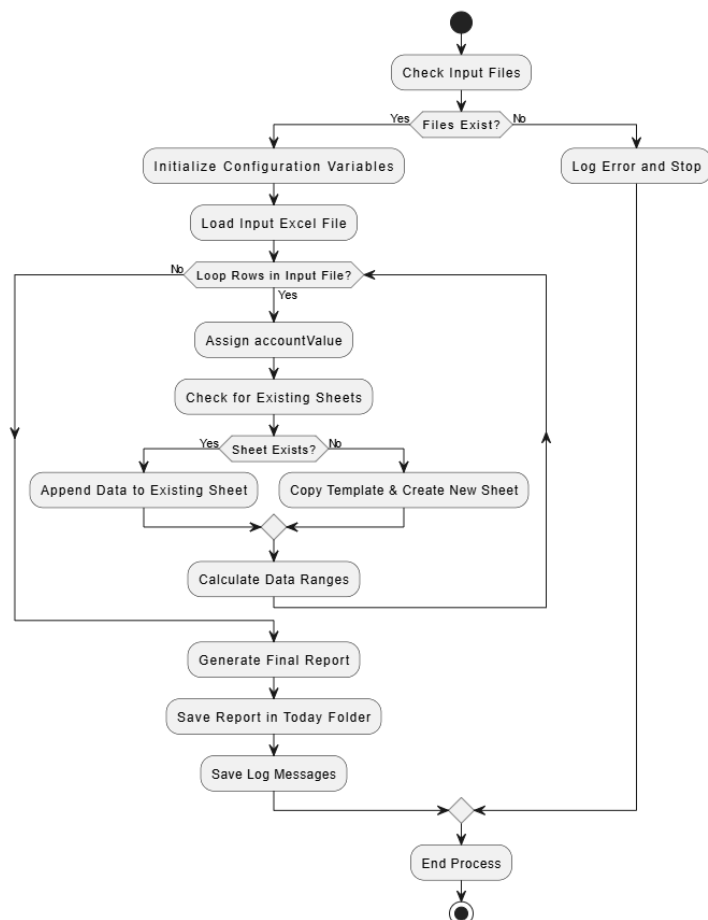
7.2. Error Handling

- Catch blocks in the workflow handle exceptions gracefully.
- Errors are logged with the message:
"An error occurred: " + exception.Message + " at " + formatDateTimeForLog.

8. Maintenance

1. Periodically update the export.xls file with new data.
2. Review logs for skipped rows or errors.
3. Update the template file if format changes are required.

9. Flowchart



10. Contact Information

- **Project Owner:** Abishek Thayaanantham
- **Email:** itstabishek@gmail.com
- **Phone:** +94 752220380

This configuration document and the successful development of the Document Ageing Report Automation project are the results of dedicated effort, collaboration, and commitment to delivering robust solutions.

I would like to express my gratitude to UiPath and its community for providing exceptional tools and documentation that made this automation achievable.

This document serves as a comprehensive guide for configuring and maintaining the project, and I appreciate everyone involved in ensuring its success.
