

AcuBotiX



Cool Cyborgs

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About This Document

The Process Design Document describes in detail

The document describes the sequence of steps performed as part of the process, and the conditions, rules, and exceptions of the process prior to and after automation. This design document serves as base documentation under the details required for robotic automation of the same business process.

Document Revision History

This section records the history of significant changes to this document. Only the most significant changes are described here. Where significant changes are made to this document, the version number will be incremented by 1.0. Minor changes made for clarity and reading purposes, where no change is made to the meaning or intention of this document, will be indicated by a 0.1 increase in the version number.

1 Overview

This AcuBotiX comes under the theme of **Innovation through Core Business Automation Solutions**. And also it includes Diversity and Inclusion. This AcuBotiX helps to reduce the Carbon Footprints released in business processes in the field of Finance.

AcuBotiX is to assist and help the user segment that includes auditors & admins with their daily and repetitive tasks. It has multi-language support and a voice assistant for a better user experience. It is more secure and safer to use because it has two-step verification (password and OTP). It can do work faster than a human can. With the help of this AcuBotiX, users can do their task faster, safer, and more efficiently

AcuBotiX, a robust and efficient solution for streamlining accounting processes will automate various accounting tasks to enhance efficiency, accuracy, and compliance.

- ❖ Transaction and Invoice Processing
- ❖ Journal Entry Automation
- ❖ Ledger Maintenance
- ❖ Regular Balance Sheet Generation

➤ Objectives

To reduce manual work, and increase the efficiency of the work. And useful for all language users.

End-User	Admin/Auditors
User Department	Auditing
Industries	Financing Industries
UiPath Products / Packages	1. UiPath Studio, UiPath Orchestrator 2. AI Fabric 3. Storage Buckets 4. Speech 5. Language Translator 6. UiPath Apps 7. Entities 8. ML PACKages 9. OmniPage OCR 10. Intelligent OCR
Other – Integrations / APIs / Technologies Used	1. Web API(whatsapp)

1.2 Tools Used

1. UiPath
2. Document Understanding

Application:

1.3 Packages used

1. UiPath Intelligent OCR
2. Speech
3. UiPath Form
4. Document understanding ML
5. OmniPage
6. Web API
7. Language Translator
8. Entities
9. ML PACKages

2 Business Process Flow

2.1. Scope

We used UiPath and other free platforms that make our project cost-efficient. And in this documentation, the automation workflow/sequence with the explanation is listed.

2.1.1 Activities in scope

Process Name	Activities
Sign In	Ask the user, to sign in by using their userID and password in the UiPath Apps
Log file creation	Collects every activity and interaction between the User and bot during the runtime.
Language Selection	Users can select the language to communicate /interact with the bot.
Transaction bills, Invoice to journal	Make the transactions bills to be converted to the Journal and then convert to Ledger
Journal to Ledger	Makes the invoice to be converted to the Journal and then convert to Ledger
Tally to Balance Sheet	Bot will compile ledger data at regular intervals to generate up-to-date balance sheet

2.2 Exception scenarios handling

#	Exception Description	Stage
1	When the user misclicks the close option of the window(s) platform during the runtime it returns to the previous stage and continues to work.	Stage 1
2	Even after the Stage 1 exception, if the error occurs again, then the bot provides the user with a set of operations to verify and validate for a smooth run.	Stage 2

3 A) Workflows

Sign In:

The Sign-In process is a 2-step verification method.

First, the HR needs to enter the password and if the password is valid an OTP will be generated and will be sent to the user's email id.

Log File creation:

Folder name: Date_(current_date), File name: Log_(hr & min).

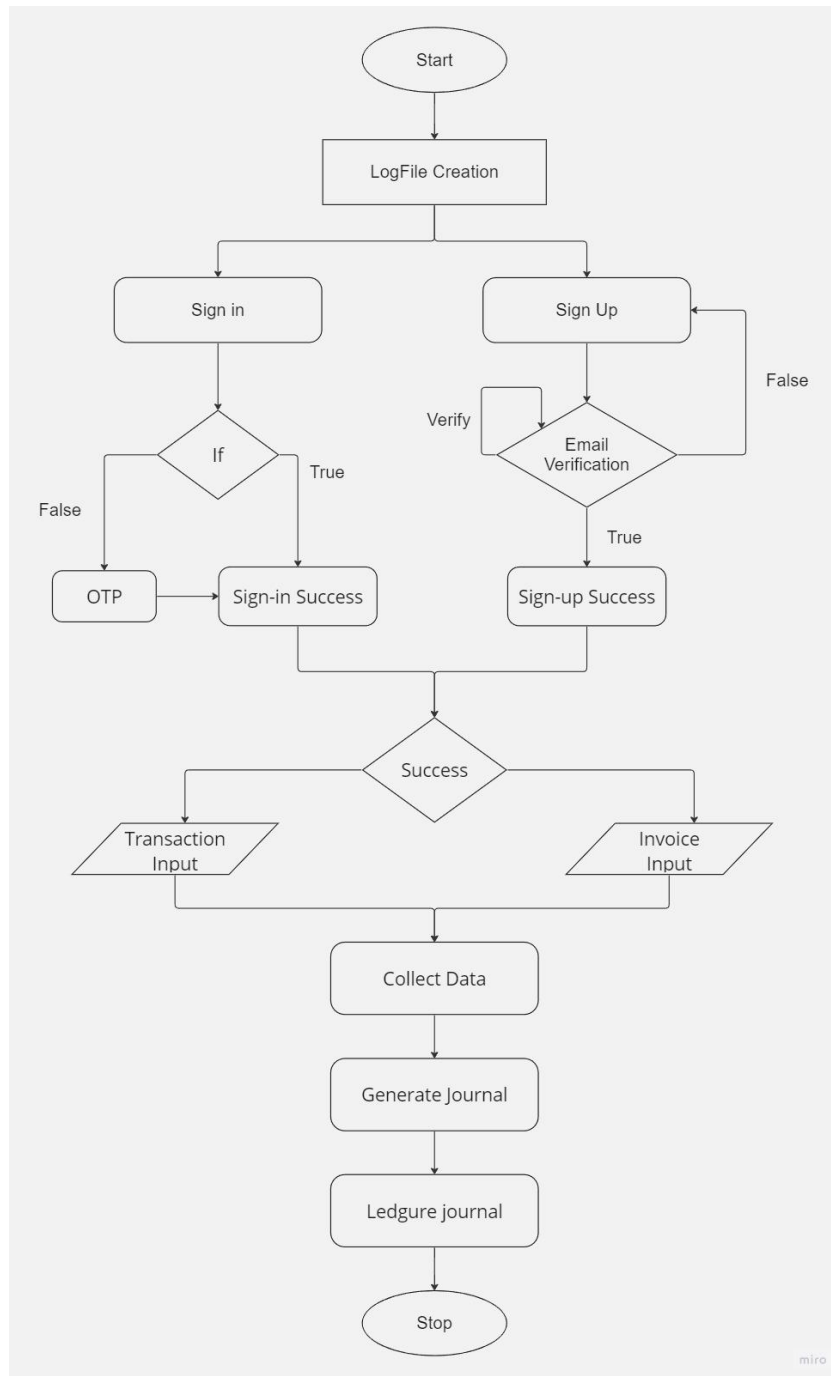
In this log file, every action taken by both user and the bot will be noted with time. In the future, anything a user needs to view back, or any occurrence in the workflow can be viewed in this log file and by this, we can find and clear the error easily. This Log file will be stored in the storage buckets.

Voice Assistant:

The users are requested to choose the voice assistant feature . This feature consists of both male and female voices.

Language Translators:

The AcuBotiX is designed with a powerful language translation feature, enabling it to transcend linguistic barriers and provide diversified usage of the product.



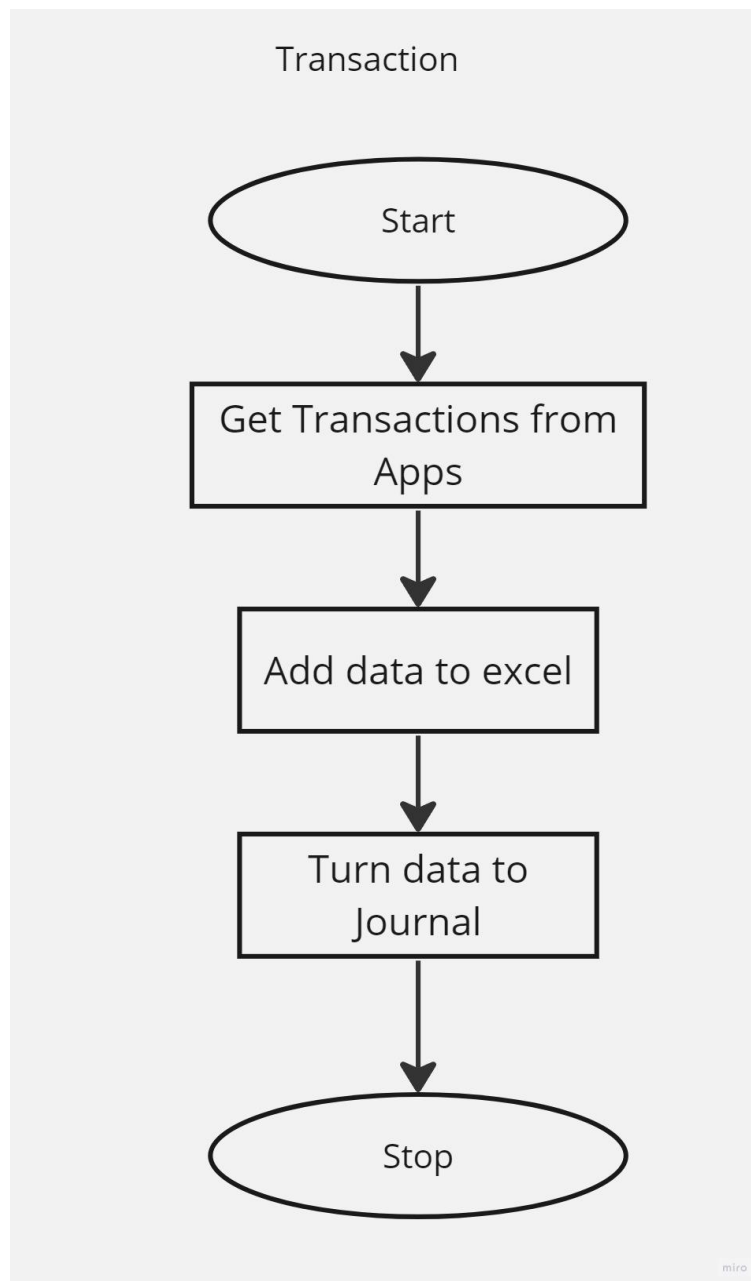
AcuBotiX will automate various accounting tasks to enhance efficiency, accuracy, and compliance.

Transaction and Invoice Processing:

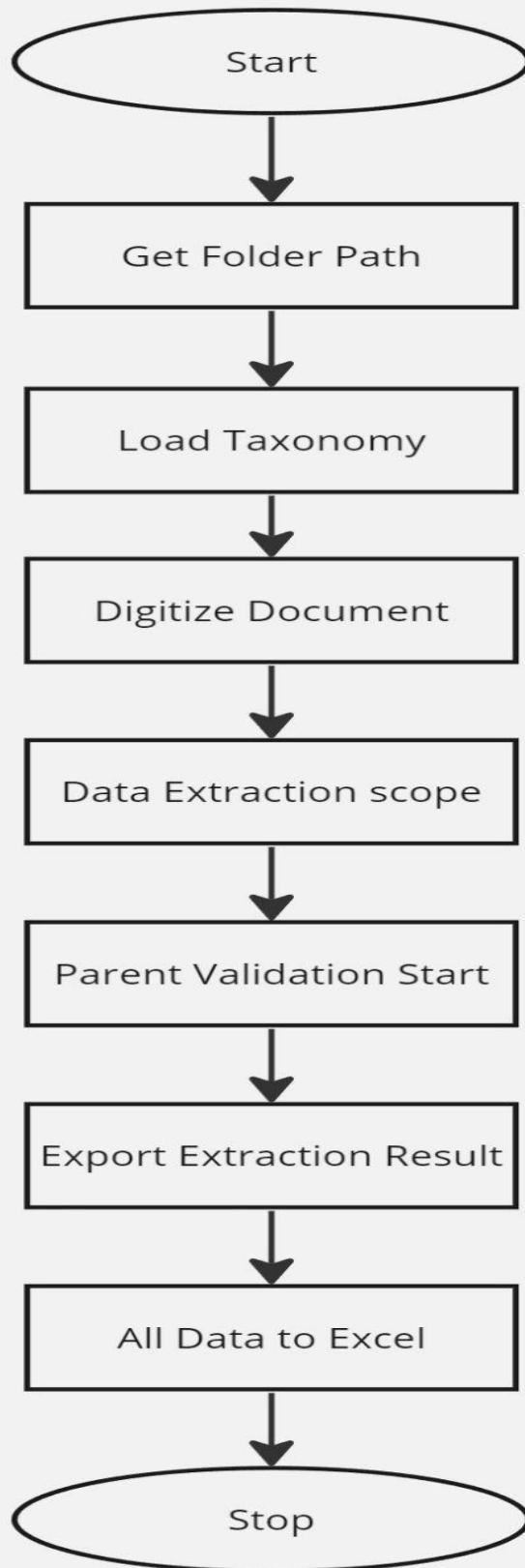
AcuBotiX offers a cutting-edge and efficient solution for processing transaction statements and invoices from its users. Leveraging advanced Optical Character Recognition (OCR) technology, AcuBotiX ensures accurate extraction of data from various types of documents,

including invoices, receipts, transaction statements, and more. This streamlined process enhances productivity, reduces errors, and saves valuable time and resources for businesses.

The below mentioned Flowchart Describes about the flow of the Transaction and Invoice Automation process.



Invoice automation



Journal Entry Automation:

The bot will generate automated journal entries based on the extracted data, ensuring accuracy and consistency in financial records.

Ledger Maintenance:

AcuBotiX will maintain a digital ledger that is continuously updated with the journal entries, providing a central repository of financial data.

3 B) Benefits

The successful implementation of AcuBotiX will yield several benefits:

- ❑ **Time and Cost Savings:** The bot's automation will save time and reduce manual efforts, allowing accountants to focus on more strategic financial tasks.
- ❑ **Data Accuracy:** AcuBotiX's precision in data extraction and error detection will enhance the overall accuracy of financial records.
- ❑ **Efficient Reporting:** The automated generation of balance sheets and financial reports will expedite the reporting process, benefiting stakeholders and regulatory compliance.
- ❑ **Enhanced Compliance:** AcuBotiX's adherence to accounting standards will ensure compliance with regulatory requirements.


In conclusion, AcuBotiX will serve as an indispensable asset for accounting teams, optimizing accounting processes, and fostering financial efficiency within the organization.

4 Deployment Design

Robot will be packaged and deployed in HR's personal system to run the workflow. This robot should be triggered manually by the authorizer who has access to the bot.

5 Developer details


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