



Solution Design Document



TABLE OF CONTENTS

I.	Purpose	3
II.	Automated process details	4
1.1	<i>Architectural structure of the Master Project</i>	<i>4</i>
1.2	<i>Master Project Runtime Details</i>	<i>5</i>
1.3	<i>Password Reset Application</i>	<i>5</i>
2	Other Details	7
	Future Improvements	7
	Other Remarks	7
3	Glossary	8

I. PURPOSE

- The procedure for a password reset in an enterprise will depend on the specific policies and protocols that the enterprise has established for this purpose. However, in general, the following steps may be involved:
- **User requests password reset:** The user who needs a password reset will typically initiate the process by contacting the enterprise's IT support team or help desk. They may do this through a phone call, email, or a self-service portal.
- **Verification of identity:** Before resetting the password, the IT support team will typically verify the user's identity to ensure that they are authorized to access the account. This may involve asking the user to provide personal information or answering security questions.
- **Generate a temporary password:** Once the user's identity has been verified, the IT support team will generate a temporary password for the user. This temporary password is usually a complex string of characters that the user will need to change upon their next login.
- **Communicate temporary password:** The IT support team will communicate the temporary password to the user through a secure channel, such as an encrypted email or a secure messaging platform. They may also direct the user to a self-service portal where they can retrieve the temporary password.
- **User resets password:** The user will then need to log in using the temporary password and change it to a new password of their choosing. This new password should meet the enterprise's password policy requirements, such as minimum length and complexity.
- **Notify the user:** Once the user has successfully reset their password, the IT support team will typically notify them that the process is complete.
- **Record the password reset:** Finally, the IT support team may record the password reset in a central log or database for auditing and tracking purposes.

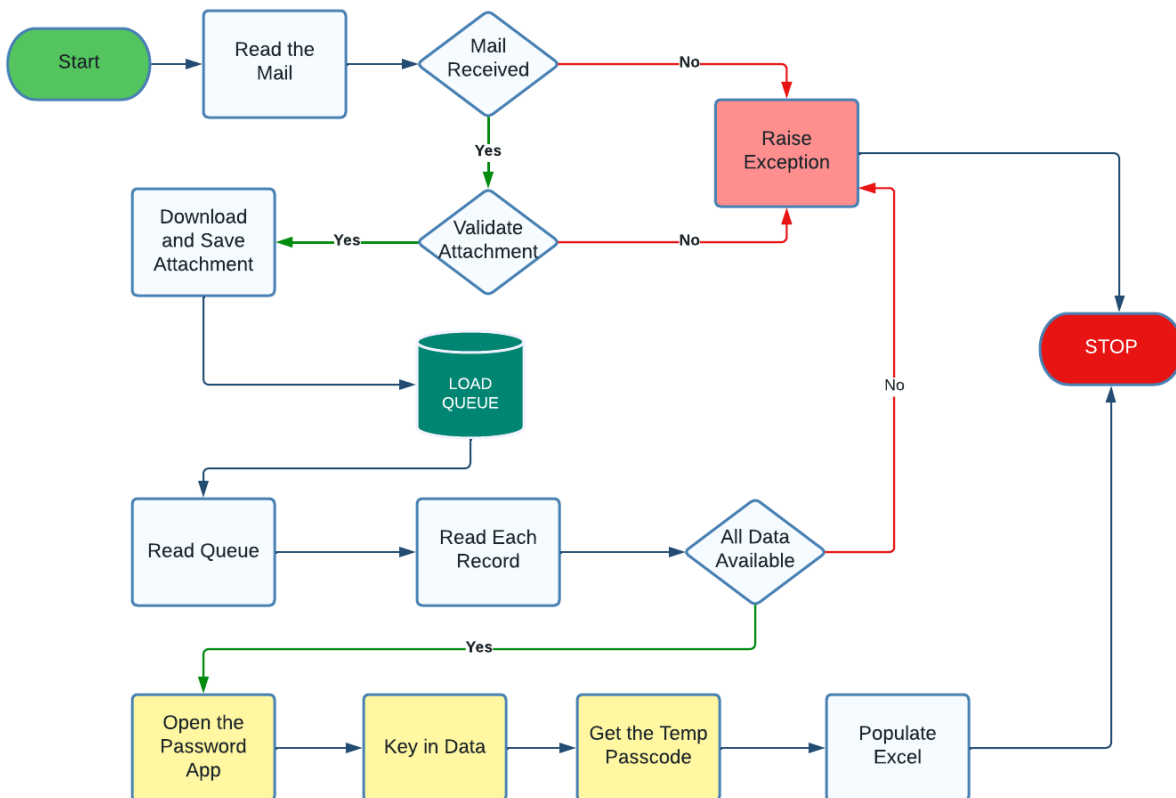
II. AUTOMATED PROCESS DETAILS

Details filled in need to reflect the actual information for the Master Project released for production.

Item	Description
Master Project Name	Password Reset Application
Robot Type	Unattended
Orchestrator used?	Yes
Scalable	Yes
UiPath version used	2024.5

The following table will be populated:

1.1 Architectural structure of the Master Project



1.2 Master Project Runtime Details

Outlines the details of the automated process by filling in the table below.

ITEM NAME	DESCRIPTION
Production environment details	Running on Window Virtual Machine
Prerequisites to run	Input Email with Excel File Attached
Input Data	1 valid Excel files Password Reset Application
Expected output	Out Email with the Temp passcode
How to start the automated process	Schedule from Orchestrator
Reporting	Orchestrator Logs
(queues reporting, Kibana or another platform)	NA
How is Orchestrator used?	The process will be schedules from orchestrator server (cloud.uipath.com)
Password policies	
(mention any specific compliance requests)	Orchestrator logs.
Stored credentials	Orchestrator used for scheduling and asset passwords.
List of queues names	PasswordReset
(Naming convention: ProcessName_QueueName)	NA
Schedule Details	Time and Queue Triggers
Multiple Resolutions Supported? (in case of image automation / Citrix and VDI)	NA
Recommended Resolution	NA

1.3 Password Reset Application

ITEM NAME	DESCRIPTION
Environment used for development (name, location, configuration details etc)	Windows VM
Environment prerequisites (OS details, libraries, required apps)	Windows 10, Assistant, license, Microsoft Excel, Microsoft Edge
Repository for project (where is the developed project stored)	www.github.com
Configuration method (assets, excel file, Json file)	Config and Assets
List of reused components	NA

List of new reusable components	NA
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2 OTHER DETAILS

Future Improvements

Fill in any improvements that need to be considered for the future:

Example:

- *Optimize the processing algorithm*
- *Implement process error recovery (retry)*
- *Enable support for multiple template files*

Other Remarks

Please mention here any other points that you consider relevant for the automation process.

Example: *The workflow should run every night at 7AM. Be careful not to schedule it before the report is generated by Zendesk.*

The Zendesk generated data is always 1 day old.

3 GLOSSARY

The main terms used in the Solution Architecture Document are defined below:

Master project - the overall output of the development, containing one or multiple projects that together cover the scope of the robotic process automation. There is a 1 to 1 connection between the Master Project and the Process to be automated (As presented in the PDD).

Project - an UiPath Studio project containing one or multiple workflow files. A project can be converted to a package and run independently, covering a particular scope within the master project. Or multiple projects can be converted into one package depending on the aims and restrictions of the automation. The project is used when defining the development and support phase of the automation.

Package - the output of compiling one or multiple projects. A package can be deployed on the robot machine and be executed by the robot service. Only one package can be executed at a given time by a robot. The package is used when defining the running phase of the automation.

Workflow - a component of the package, the workflow encapsulates a part of the project logic. The workflow can be of type: sequence, flowchart or state machine. A workflow is saved as an .xaml file inside the project folder. A workflow file can be invoked from another workflow and by default there is an initial workflow file that will run when executing the package.

Activity - an action that the robot executes.

Sequence - a workflow where activities are executed one after another, in a sequential order

Flowchart - a workflow where activities are connected by arrows and the logic of the workflow can be easily followed in a visual manner. The flowchart can also be exported as an image from UiPath studio.

State machine - a more advanced way of organizing a workflow, similar to a flowchart.

BOR - Back office robot

FOR – Front office robot

Orchestrator – Enterprise architecture server platform supporting: release management, centralized logging, reporting, auditing and monitoring tools, remote control, centralized scheduling, queue/robot workload management, assets management.