

RPA Test Project Report

APRIL 20

Authored by: Rakshit Bhadoria

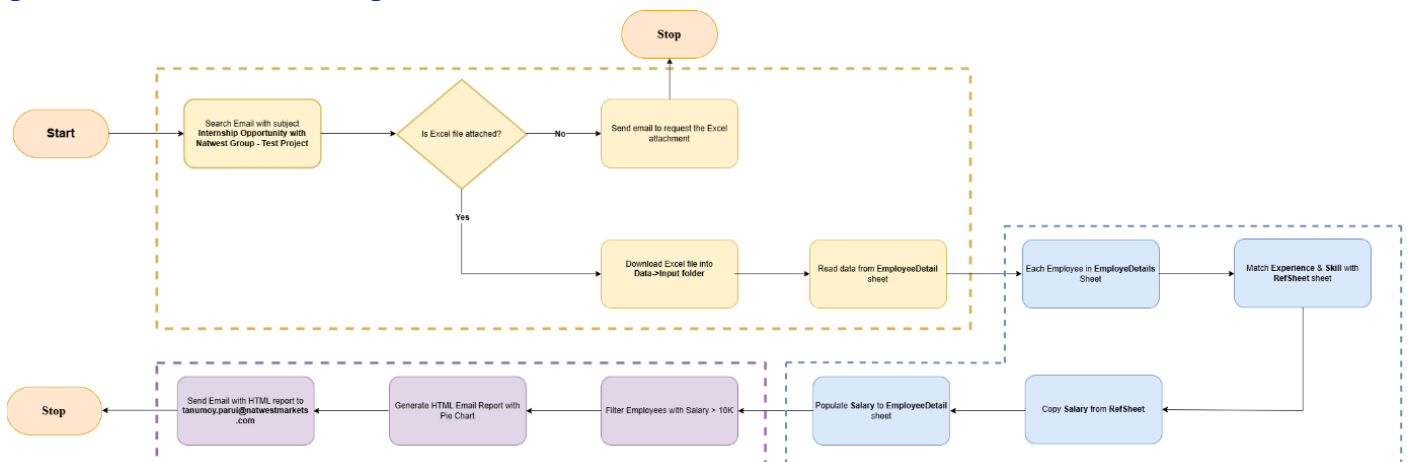


Project Objective

The goal of this RPA project is to automate the process of **updating employee salaries** based on their **experience and skillset**, generate a visual report for employees with **salary greater than 10K**, and send this report via email to the concerned stakeholder. Additionally, the bot is to be **deployed in UiPath Orchestrator** and scheduled to **run twice a week**.

Task 1: HLSD

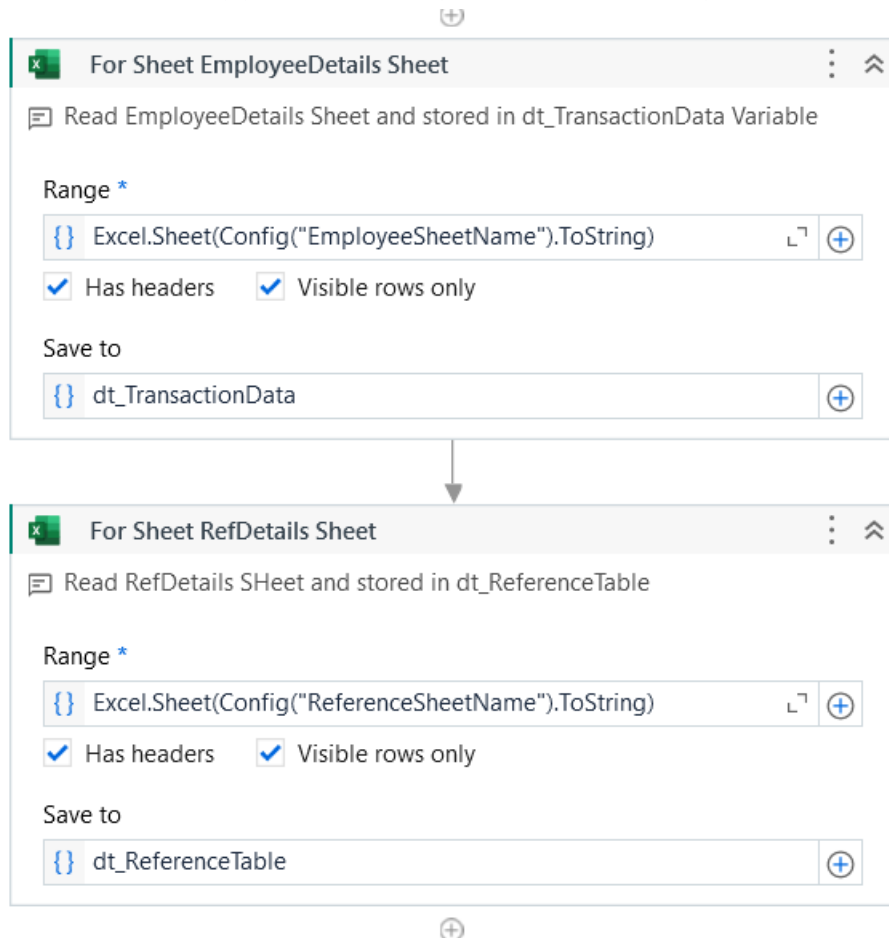
A **High-Level Solution Design (HLSD)** was created to visualize the end-to-end automation process. It highlights the core steps including reading input, processing logic, report generation, and emailing.



Task 2: Read Data from Excel

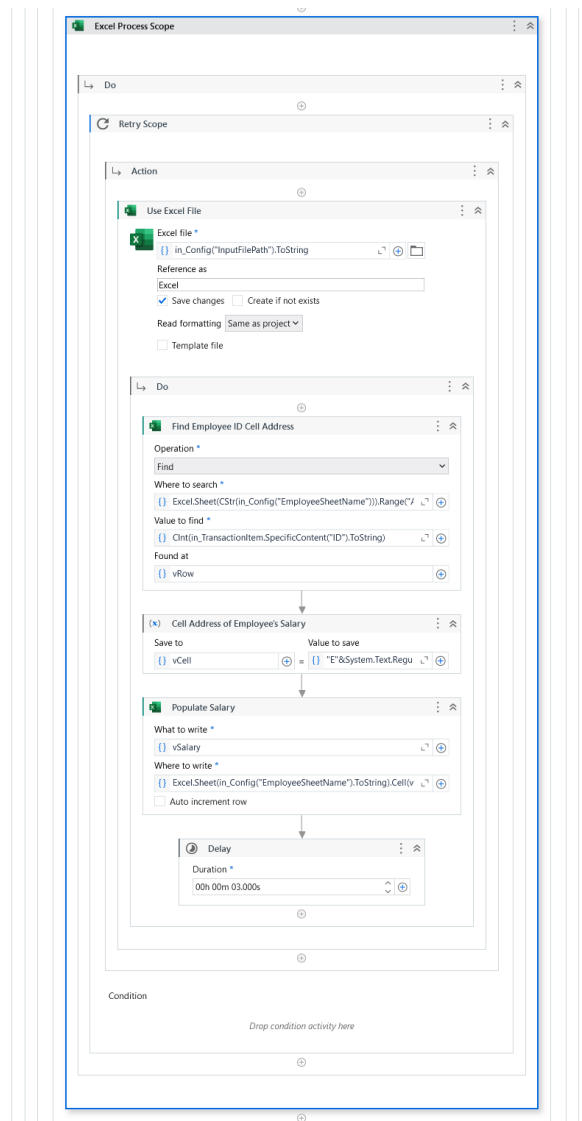
The automation begins by reading two sheets from the Excel file:

- **employeeDetails Sheet:** Contains ID, Name, Experience, Skill, and (initially blank) Salary
- **RefDetail Sheet:** Maps experience ranges and skills to respective salary slabs
- Used UiPath's **Excel Application Scope** and **Read Range** activities.



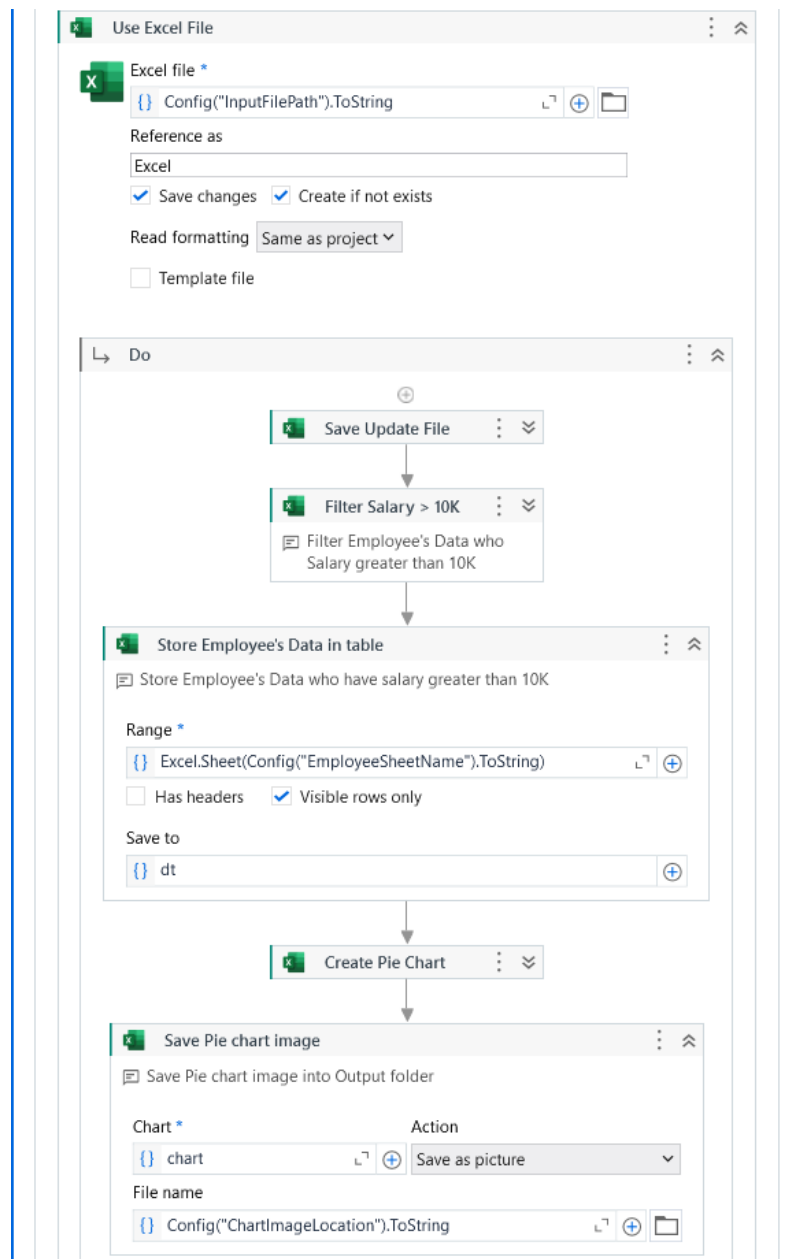
Task 3: Update Salary in Excel (employeeDetails sheet)

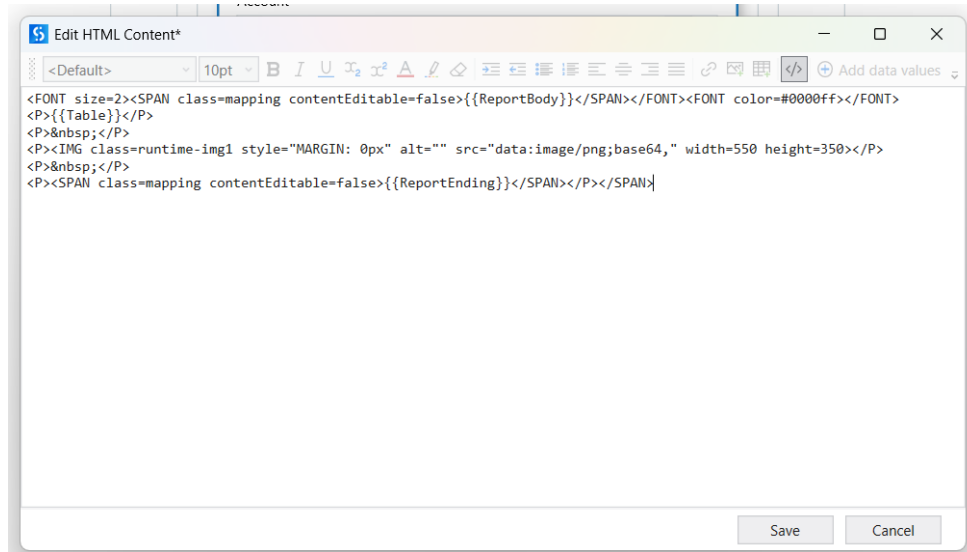
The Each employee's experience and skill was matched against the reference sheet logic:



Task 4: Generate HTML Report (Salary > 10K)

The goal of this RPA project is to automate the process of **updating employee salaries** based on their **experience and skillset**, generate a visual report for employees with **salary greater than 10K**, and send this report via email to the concerned stakeholder. Additionally, the bot is to be **deployed in UiPath Orchestrator** and scheduled to **run twice a week**.





Task 5: Send Report via Email

The report was sent using UiPath's Send Use Gmail activity.

Email Configuration:

- **To:** Tanumoy.parui@natwestmarkets.com
- **Attachment:** Updated EmployeeSalary File

Use Gmail

Sending Email with HTML report embedded Pie chart and Employee Data table who have salary > 10 K, and Update EmployeeSalary Excel File

Account
 rakshitbhadoria57@gmail.com

Reference as
 Gmail

Do

Send Email

Account
 {} Gmail

To
 {} Config("MailTo").ToString

Cc
 {} Cc

Subject
 {} Config("ReportSubject").ToString

Body ☒ HTML ☐ Text ☐ Word Document
 Open Editor

☐ Save as draft

Attachments ☒ Files ☐ Folder

{} Config("UpdateFileLocation").ToString

{} File

Task 6: Deploy Process in Orchestrator

The workflow was successfully published from UiPath Studio to UiPath Orchestrator.

cloud.uipath.com/pheongdzwmqf/DefaultTenant/orchestrator/_processes?tid=2017424&fid=6665039&index=0&size=25&state=M4ewTgLPgZglgUwDYBMoDsCGBbBU...

UiPath Orchestrator

Home Automations Monitoring Queues Assets Business Rules **Preview** Storage Buckets Testing Settings

Processes Jobs Apps Triggers Logs

Search Add process

Name	Type	Version	Job priority	Entry point	Description
Employee.Pay.Adjustment.Process	RPA	1.0.5	Medium	Main.xaml	N/A

1 - 1 / 1 Page 1 / 1 Items 25

Task 7: Create Trigger (2 Times Per Week)

A time-based trigger was created in Orchestrator to run the process **every Monday and Thursday at 12 AM**.

HomeAutomationsMonitoringQueuesAssetsBusiness RulesPreviewStorage BucketsTestingSettings

ProcessesJobsAppsTriggersLogs

Time TriggersQueue TriggersEvent TriggersAPI Triggers

Search

State: AllJob priority: All

+ Add a new trigger

<input type="checkbox"/>	Name	Process	Trigger Details	Job priority	Next Run Time	Next Run Time (absolute)	Stop After	
<input type="checkbox"/>	Employee Pay Adjustment Trigger	Employee.Pay.Adjustment.Process	At 12:00 AM, only on Monday and Thursday	Inherited	In 19 hours	04/21/2025 0:00:50.000 (...)		

1 - 1 / 1Page 1 / 1Items 25