RPA Test Project Report

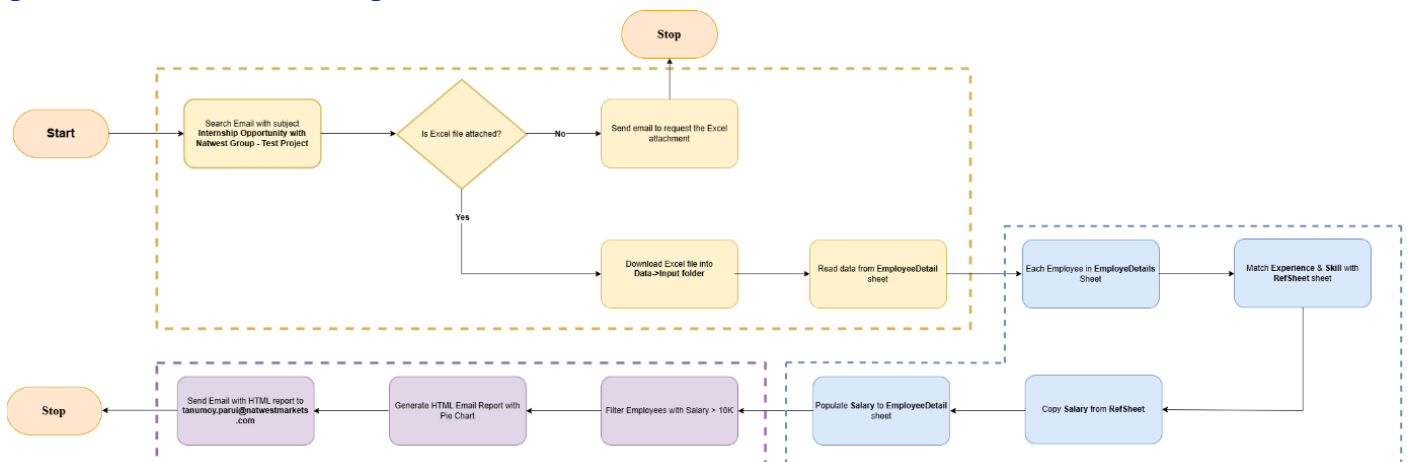**Authored by: Rakshit Bhadoria**

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**.
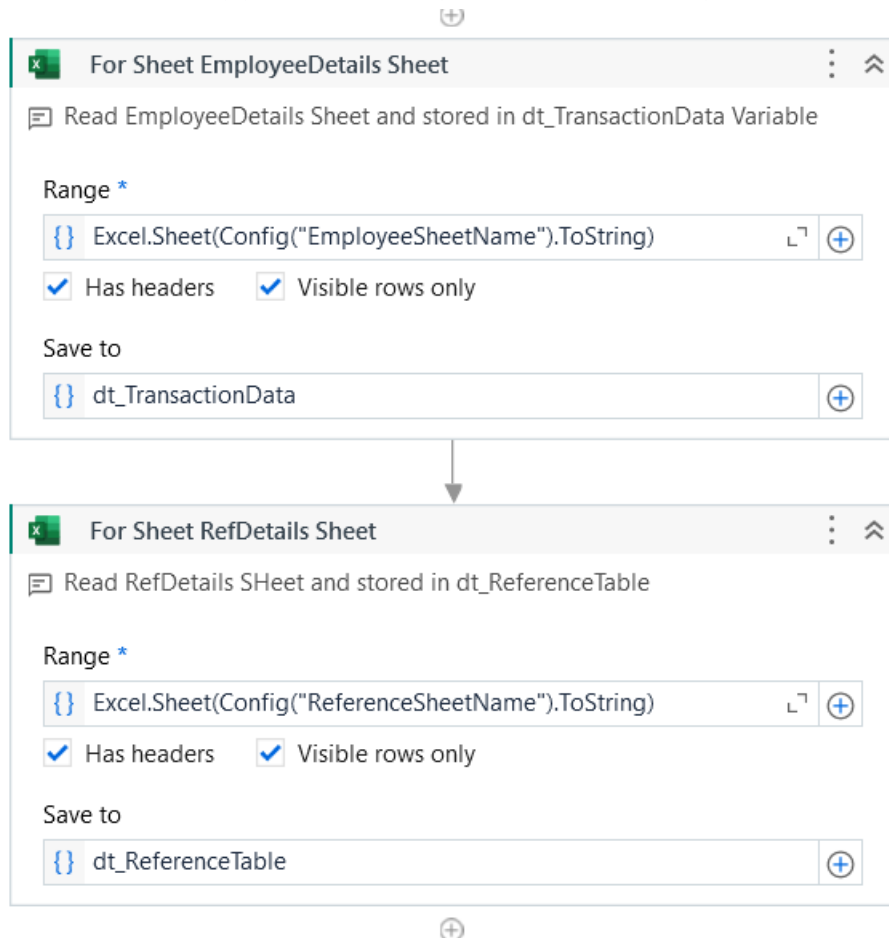
Task 1: HLSD

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.
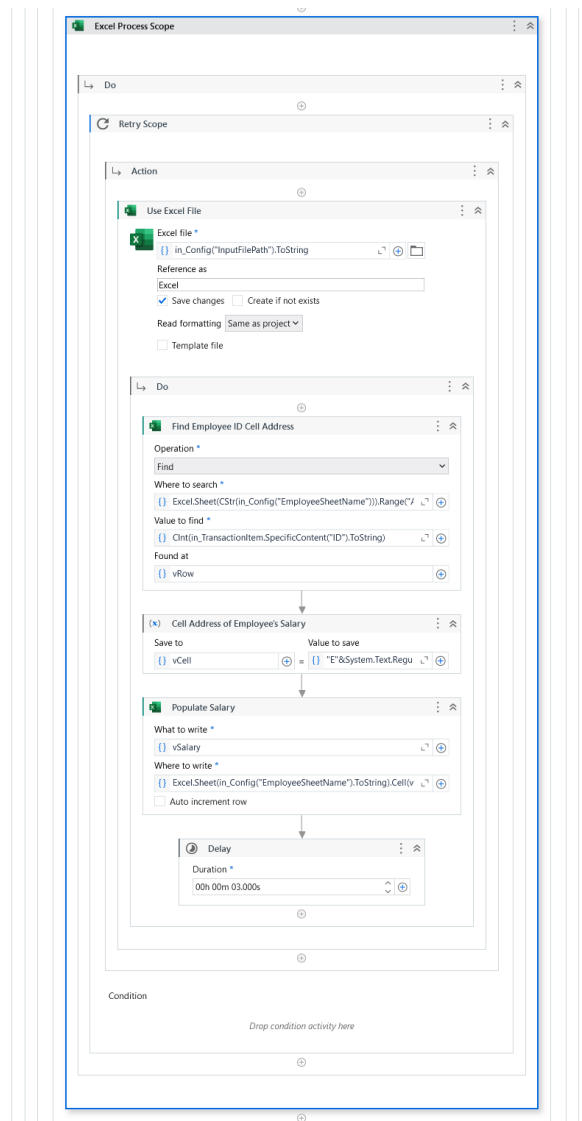
Task 2: Read Data from Excel

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.
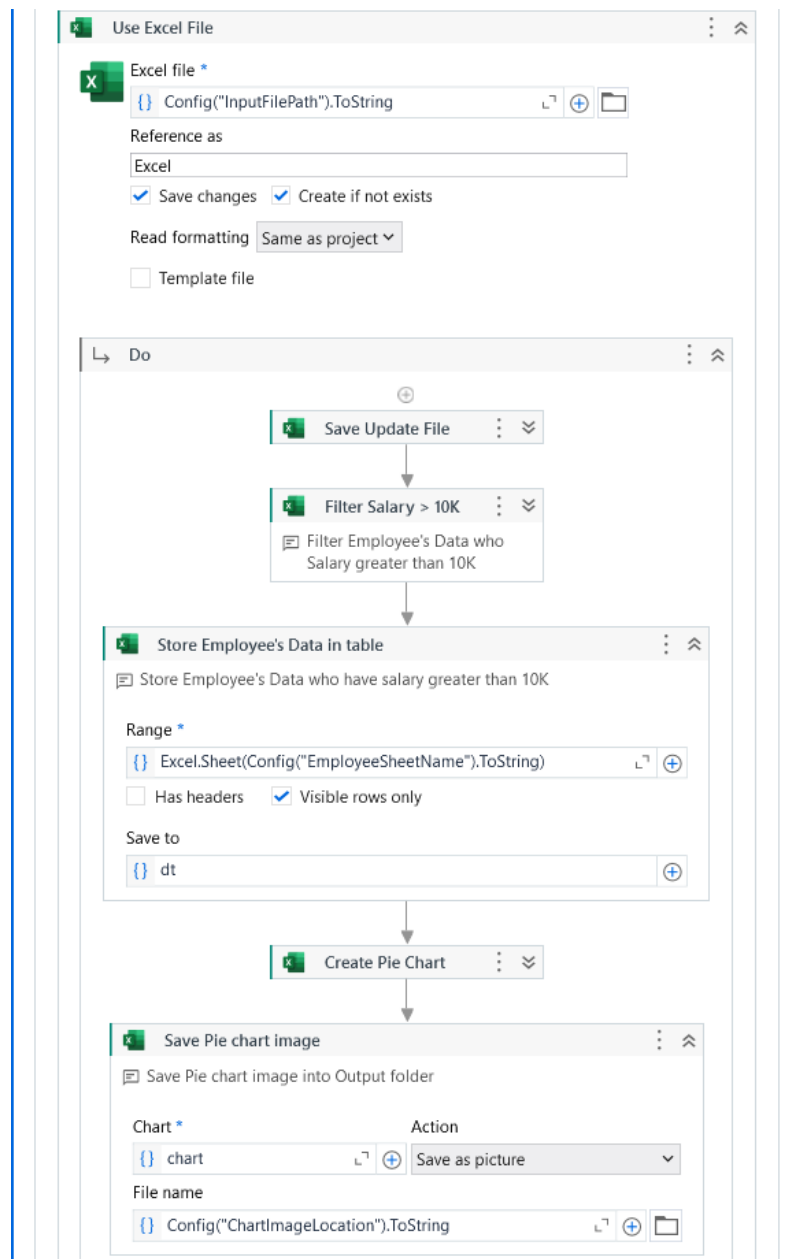
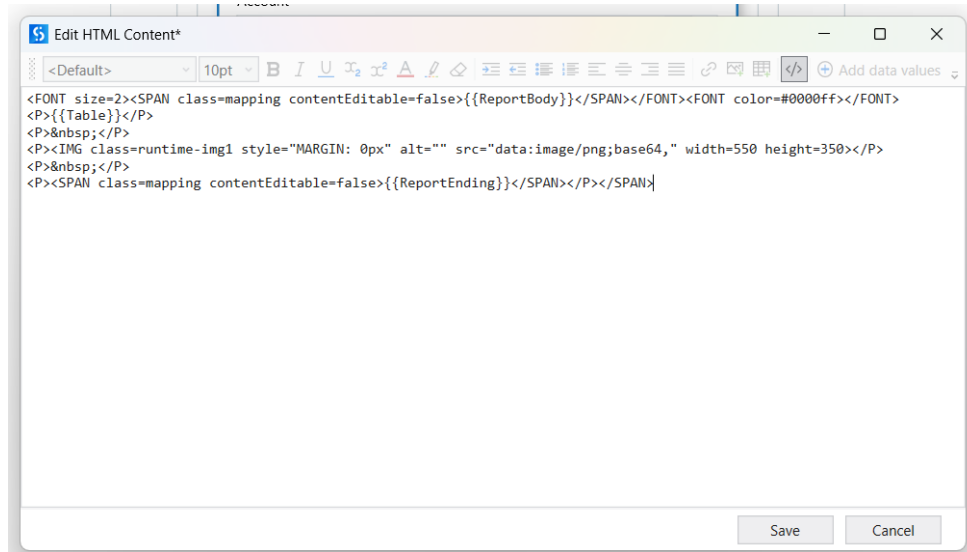# Task 3: Update Salary in Excel (employeeDetails sheet)

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

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

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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

Task 6: Deploy Process in Orchestrator

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

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.**