

Advent Challenge #3 by Parth Doshi

Please follow the provided format when submitting your response


Challenges Complexity:

» The "Automation Maverick" Level (Intermediate) - Ticket Data Extractor BOT

Problem Statement:

» Read the Input Email (You can use any mailbox client Gmail or Outlook). Please consider 3 emails for testing – each with a different priority (High, Medium, Low).

Ticket Raised by Parth Doshi Inbox x

 **Parth Doshi** [REDACTED]
to me ▾

Hi Team,

We have received the following request from employee Parth Doshi. Please look into it

Employee Code	PA01
Employee Name	Parth Doshi
Employee Email	Parth.Doshi@gmail.com
Ticket For Department	Admin
Ticket Description	Can you please provide me access to Zendesk Test Env. I need for automation testing.
Priority	Medium
Created Date	26-07-2023

- BOT should extract all the data from the table (Regex should be used).
- After the data is extracted, an Excel File should be created with the file name "TicketData.xlsx".
- Within the Excel file, the sheet name should be the department name in the ticket. If the sheet already exists, append the data or else create the sheet with the department name in the ticket.
- The cell color of the priority column will be based on the priority type as mentioned below:
 - High Priority** – Cell Color: Red
 - Medium Priority** – Cell Color: Yellow
 - Low Priority** – Cell Color: Grey
- Save the Excel File once the data has been added.

Problem Description:

Ticket Data Extractor BOT reads ticket emails and extracts the data followed by adding the extracted data in the master Excel file.

Expected Result / Output:

The expected output is below the Excel File shown in the screenshot.

	A	B	C	D	E	F	G	H	I
1	EmployeeCode	EmployeeName	EmployeeEmail	TicketForDepartment	TicketDescription	Priority	CreateDate		
2	PA01	Parth Doshi	Parth.Doshi@gmail.com	Admin	Can you please provide me access to Zendesk Test Env. I need for automation testing.	Medium	26-07-2023		
3	PA01	Parth Doshi	Parth.Doshi@gmail.com	Admin	Can you please provide me access to Salesforce Test Env. I need for automation testing.	High	27-07-2023		
4	PA01	Parth Doshi	Parth.Doshi@gmail.com	Admin	Can you please provide me access to Salesforce Test Env. I need for automation testing.	Low	26-07-2023		
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Concepts:

- Email Automation (Outlook/Gmail)
- Regex and Data Manipulation
- Excel Automation

Do's & Don'ts:

- Do use Excel Modern Activities.
- Do use proper naming conventions for variables and arguments.
- Do validate your workflow with Workflow Analyzer and it should have 0 Errors / Warnings.
- Do not give default values. Use assigned statements wherever necessary.

UiPath Doc or any reference for learning the concept (if any):

- Excel Modern Activities: <https://docs.uipath.com/activities/other/latest/productivity/studiox-excel>
- Email Activities: <https://docs.uipath.com/activities/other/latest/productivity/about-the-mail-activities-pack>
- Regex Activities: <https://docs.uipath.com/activities/other/latest/workflow/regex-builder-wizard>

Deadline for submission: 9th December, 2023.