python email merge

What it does

1. Reads data from a CSV file.
2. Uses the column named "email" from teh CSV file as the to: address.
3. Replaces placeholders in the email text and subject line with corresponding data from the CSV file.
4. Sends each customized email through Microsoft Outlook.

How it works

Replace `'your_file.csv'`, `standard_email_text`, and `standard_subject` with your actual file path and text. The script reads the CSV file, replaces placeholders in the email text and subject line with the corresponding data, and sends the emails.

What you need

- You need to have Microsoft Outlook installed on your system.
- This script assumes the CSV file is well-formed and the headers match the placeholders.
- Python's `win32com.client` library is used for interacting with Outlook, which is Windows-specific.
- @Line 28 the standard Excel delimiter is specified, this is depending on local settings and is either , or ;

Example

image-1700656423154.png

If the body text contains **_index_**, **_name_**, **_ leeg_** or **_URL_** these are replaced with the values in the corresponding lines. The search and replace is case-sensitive!

Set Outlook to work offline and check the email in the outbox before going back online!

Python Script

```
import csv
import win32com.client as win32
import sys

# Define your standard email text and subject line here
standard_email_text = """Beste _name_,

Hierbij de persoonlijke link waarmee u de voortgang van _name_ kan volgen:\n_URL_.

Voor het afronden van de studie binnen drie jaar, moeten dit schooljaar 8 blokken worden
afgerond.

Groet, ..............
(deze email is automatisch gegenereerd)
"""
standard_subject = "voortgangsmonitor _name_"

# Function to send email via Outlook
def send_email(recipient, subject, body):
    outlook = win32.Dispatch('outlook.application')
    mail = outlook.CreateItem(0)
    mail.To = recipient
    mail.Subject = subject
    mail.Body = body
    mail.Send()

# Reading CSV and sending emails
with open('ouderemailC23 .csv', newline='', encoding='utf-8-sig') as csvfile:
    reader = csv.DictReader(csvfile, delimiter=';')
    for row in reader:
        if ( row['email'] == "" ): # no email, skip
            continue

        email_body = standard_email_text
        email_subject = standard_subject
        email_to = row['email']

        # Replace placeholders in the email text and subject
```

```
        for key in row:
            email_body = email_body.replace(f'_{key}_', row[key])
            email_subject = email_subject.replace(f'_{key}_', row[key])

        print(f"To: {email_to}")
        print(f"Subject: {email_subject}")
        print(f"{email_body}\n")
        print("----------------------------------------\n")

        # Send the email
        send_email(row['email'], email_subject, email_body)
```

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