Automated Agency Onboarding for CookieYes

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Module1: Website analysis

- fetching Webpage Content – Used requests to retrieve HTML data.

- Parsing HTML – Leveraged BeautifulSoup to navigate and extract elements.

- Filtering Data – Applied CSS selectors and regex for precise extraction.

- Storing Data – Processed and saved in CSV for further use

Module 1

```
|  Input: URL of webpage      |
          ↓
|  Send HTTP request          |
|  using `requests.get()`     |
          ↓
|  Parse HTML with BeautifulSoup  |
          ↓
|  Locate and extract target data  |
|  (e.g., text, links, tables, etc.)  |
          ↓
|  Process & clean extracted data  |
          ↓
|  Save data to file (CSV/DB)  |
```
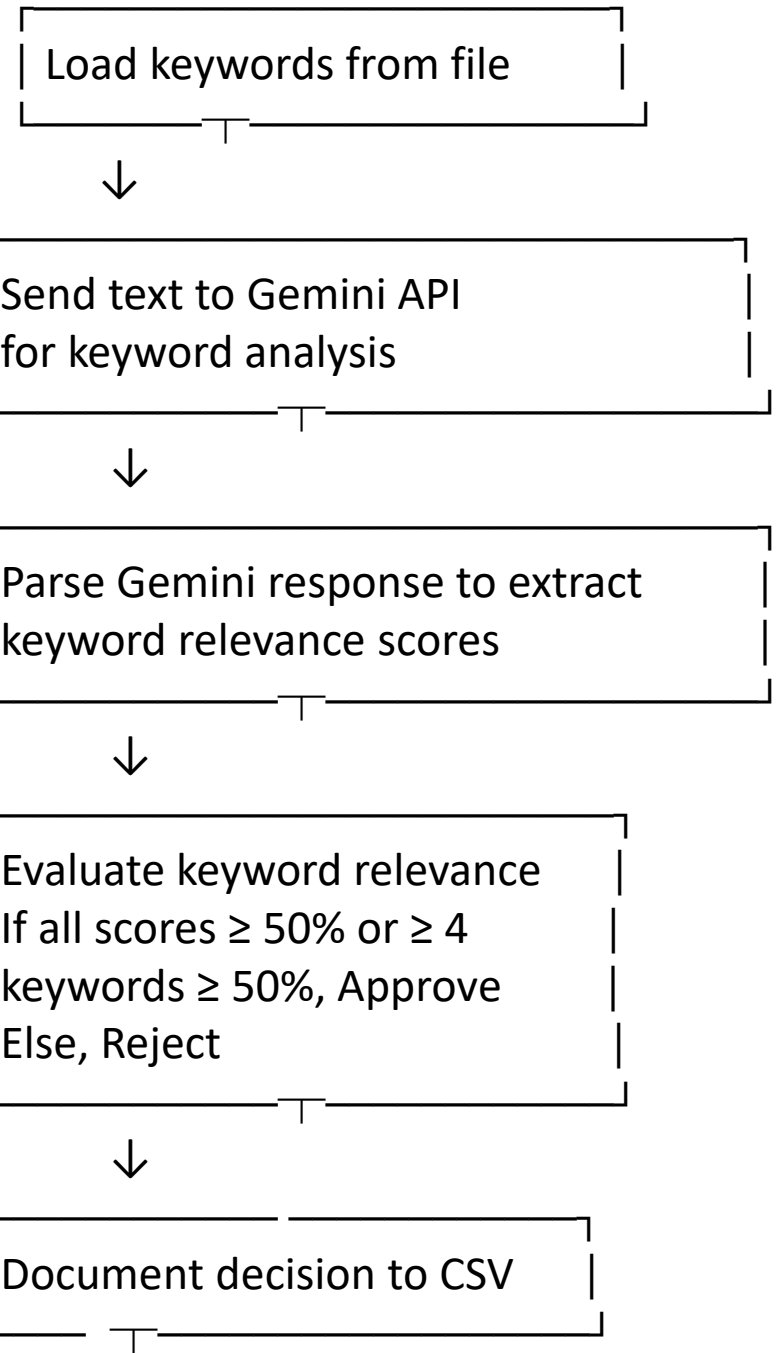
	A	B	C	D	E
1	URL	Text	email		
2	https://www.baunfire.c	Baunfire Web Design Digital	jeethumariam02@gmail.com		
3	https://fourbynorth.cor	Four By North Award winnin	mariambiju22@gmail.com		
4	https://www.geeksforge	GeeksforGeeks A computer s	jeethumariam02@gmail.com		
5					
6					
7					
8					

B2 — Baunfire Web Design Digital Agency in Silicon Valley San Jose

Module 2: AI powered evaluation and documenting decision

Send extracted data to gemini to find for keywords and assign relevance score based on how it appears on the website content

```
┌─────────────────────────────┐
│ Load keywords from file      │
└──────────────┬──────────────┘
               ↓
┌─────────────────────────────┐
│ Send text to Gemini API      │
│ for keyword analysis         │
└──────────────┬──────────────┘
               ↓
┌─────────────────────────────┐
│ Parse Gemini response to extract │
│ keyword relevance scores     │
└──────────────┬──────────────┘
               ↓
┌─────────────────────────────┐
│ Evaluate keyword relevance   │
│ If all scores ≥ 50% or ≥ 4   │
│ keywords ≥ 50%, Approve      │
│ Else, Reject                 │
└──────────────┬──────────────┘
               ↓
┌─────────────────────────────┐
│ Document decision to CSV     │
└──────────────┬──────────────┘
```

Module 2: csv file for future reference

Module 3: Communication

Based on the decision whether to onboard or reject an agency, a rejection or welcome email is send accordingly.

```
+------------------------------------+
| Load environment variables         |
+------------------------------------+
              |
              v
+------------------------------------+
| Define send_email()                |
|  - Construct email                 |
|  - Establish SMTP connection       |
|  - Send email                      |
+------------------------------------+
              |
              v
+----------------------------------------+
| Define send_emails_from_csv()          |
|  - Open CSV file                       |
|  - Check approval status               |
|  - Call send_email()                   |
+----------------------------------------+
              |
              v
+------------------------------------+
| Run script                         |
| Call send_emails_from_csv()        |
+------------------------------------+
```
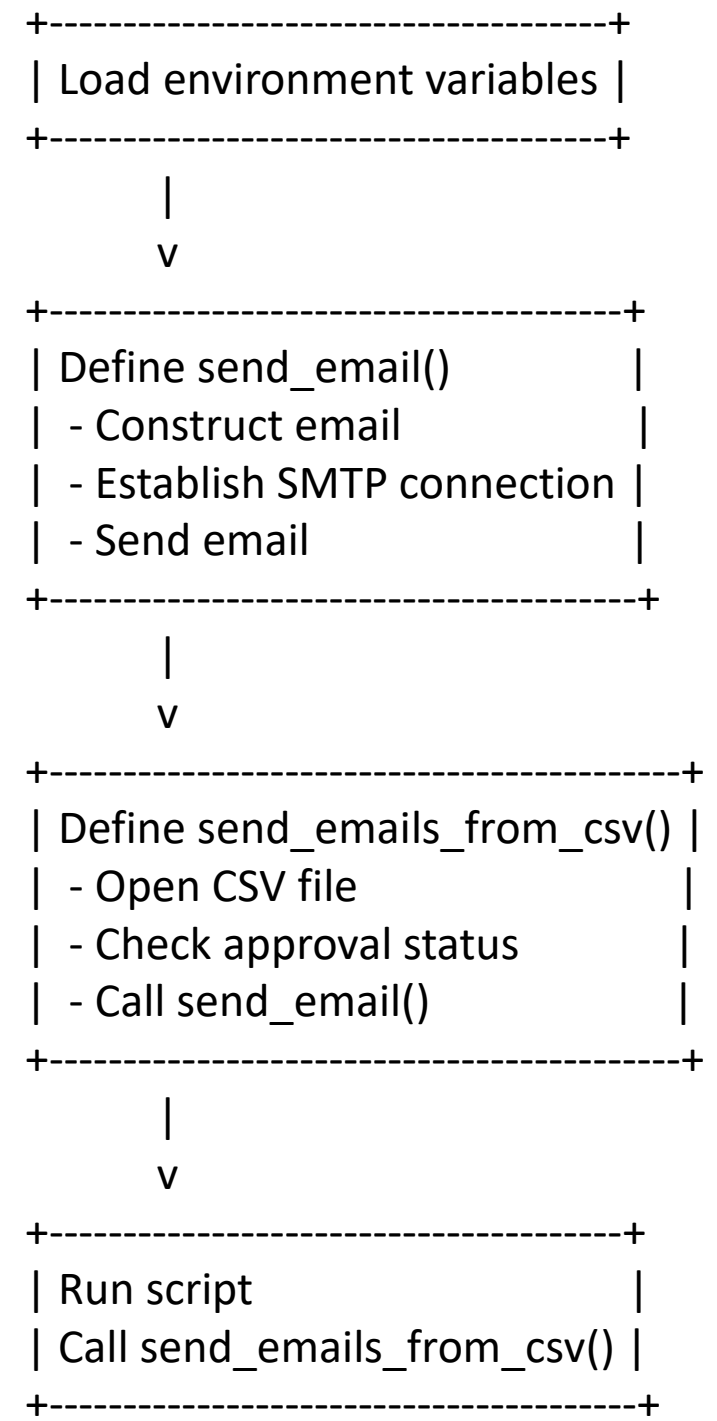
Module 3 :output

Welcome! Inbox ×

automatedtask531@gmail.com   17:07 (2 minutes ago)

to me

Congratulations! Your website https://www.baunfire.com/ has been approved.

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1 of 1,853

Website Review Result Inbox ×

automatedtask531@gmail.com   17:07 (1 minute ago)

to me

Thank you for submitting your website https://www.geeksforgeeks.org/ for review. Unfortunately, it did not meet our criteria.

Thank you