LifeSync

Unify, Organize, Achieve.

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Recap - Goals & Sprint #1

Goal: LifeSync is your digital companion for a streamlined life.

Sprint #1 Implemented Features:

- OAuth
- Homepage and base HTML
- To-Do List Feature (Create, Update and Share)

Sprint #2 Plan

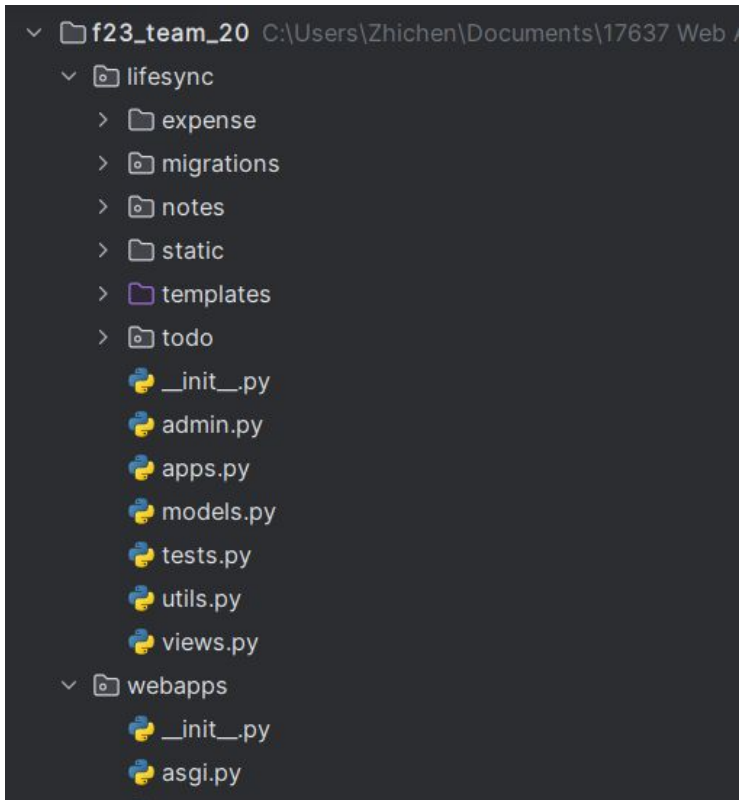| Task	Owner	Status
Note Making - Implement user created categories	Zhichen	Done
Note Making - Create and Delete	Zhichen	Done
Note Making - Share	Zhichen	In Progress
Expense tracking - Implement predefined categories	Mahima	Done
Expense tracking - Add and delete expense	Mahima	Done
Expense tracking - Visualizations	Mahima	Done
Expense tracking - Payment reminders	Mahima	In Progress
Calendar - Frontend and UI/UX	Sambhav	Done
Google Calendar Integration - Seeing upcoming meetings and appointments	Sambhav	In Progress
Calendar - Analytics and summarized feature	Sambhav	Done

Sprint #2 - Challenges

Challenge	Resolution
Merging and collaboration between team members	Open communication between members on group chat
Too many features planned	Descoping and prioritisation

Sprint #2 - Demo

Code

Separation of Concerns

```
f23_team_20  C:\Users\Zhichen\Documents\17637 Web
  lifesync
    expense
    migrations
    notes
    static
    templates
    todo
    __init__.py
    admin.py
    apps.py
    models.py
    tests.py
    utils.py
    views.py
  webapps
    __init__.py
    asgi.py
```

Goal: Split the tasks

Sprint #2 Implemented Features:

- Expense Tracking
- Note Taking
- Calendar

Encryption

Nov. 14, 2023, 1:39 a.m.

test

Share this to-do list to another user?

Add a to-do item!!

Status Deadline Item Actions

localhost:8000/to-do/share/1?pwd=
gAAAAABlU62sUPcNEbt8cB7Fcf6l
LrQKwQUKW_i14dDXl0k_he2PbfG
8sq96glwxJPHNOfal-y3bT-X2acJM
lPMow3CYlWxS6w==

Tech: Fernet

Goal:

Implement Sharing with a link

The password checks if the user is permitted to gain access
(And maybe degrees of access)

Make the Notes Better

Tech: Markdown

```
1   ## Data Scraping
2   Author: Leigh
3
4   ### Data Source
5
6   In the selection of data sources, the data source used by this group are
    different from those of the
7   previous group. We've changed our data source from [Congress.gov](https://
    www.congress.gov/) to
8   [GovInfo.gov](https://www.govinfo.gov/). The reason we've changed the data
    source could be summarized
9   by the following form.
10
11  |                    | Congress.gov           | GovInfo         |
12  |--------------------|------------------------|-----------------|
13  | Download process   | Metadata + LinkData + Bill page | Bulk Download |
14  | Downloads per Page | 3+                     | 3               |
15  | Download cap       | 1000 per API key per day | Scraping       |
16  | Scalability        | Low                    | High            |
17  | Source type        | Government             | Government      |
18
19  For your reference, the API sites are given.
20
21  [Congress.gov API](https://api.congress.gov/)
22
23  [GovInfo.gov API](https://www.govinfo.gov/developers)
24
```
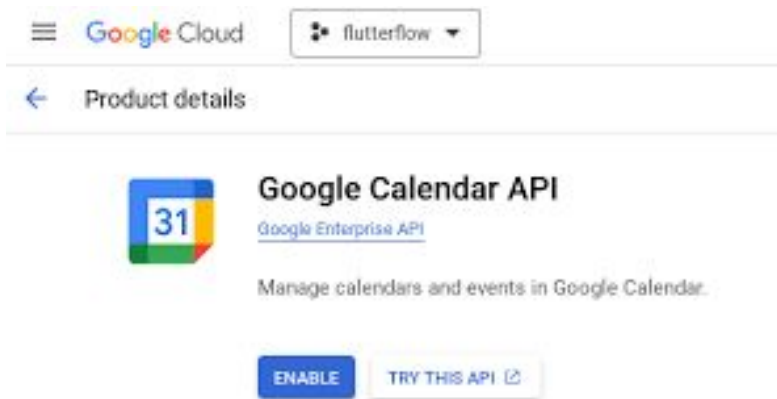
Data Scraping

Author: Leigh

Data Source

In the selection of data sources, the data source used by this group are different from those of the previous group. We've changed our data source from Congress.gov to GovInfo.gov. The reason we've changed the data source could be summarized by the following form.

	Congress.gov	GovInfo
Download process	Metadata + LinkData + Bill page	Bulk Download
Downloads per Page	3+	3
Download cap	1000 per API key per day	Scraping
Scalability	Low	High
Source type	Government	Government

For your reference, the API sites are given.

Congress.gov API

GovInfo.gov API

Draw a Perfect Pie

Tech: JavaScript

https://www.chartjs.org/

An Open-source charting library

Google Calendar API

Tech: API integration, python-dateutil, CSS

https://developers.google.com/calendar/api/guides/overview

Open-source API by Google

Next Steps

Prettify Our Project:
    Currently, the buttons and other things are not really following the same style.

Make a Thorough Test:
    A consistent error page format, a thorough check on user inputs, sanitizations, etc.

Fun New Features:
    Selectable new features, maybe we'll add some, maybe not. All depends on the progress.

Thank you!
Questions?