Project01: WWW as a Rube Goldberg machine

The project tries to express Sipping wine, reciting verse, gazing at the starry sky, Yet mindful of six pennies passing by, broadening horizons

It uses six open API as follows:

www.thecocktaildb.com/api/json/v1/1/search.php?s=margarita

https://api.nasa.gov/

https://poetrydb.org/index.html

https://www.stockdata.org/

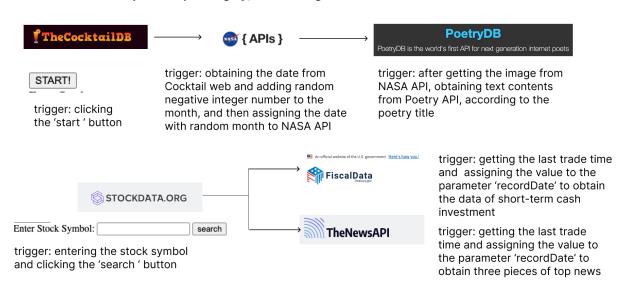
https://fiscaldata.treasury.gov/

https://www.thenewsapi.com/

Diagram:

https://www.figma.com/file/WwPEwJKn7SYyny6zrwcojj/Untitled?type=design&node-id=0-1&mode=design&t=qJLiCv66b6f9050C-0

Sipping wine, reciting verse, gazing at the starry sky, Yet mindful of six pennies passing by, broadening horizons



video: https://youtu.be/49TZJOrIF6M

codes: https://github.com/yuliniris/creative-tech-4

file name: index09

Trigger 1: clicking the 'start' button

```
<header>
  <button id="startButton">START!</button>
  <section id="mainElement"></section>

startButton.addEventListener("click", fetchCocktailData)
```

Trigger 2: getting the date value from cocktail web and adding the random negative integer number to the month, and then passing the new date value to NASAAPI

```
let a = new Date(drink.dateModified)
let randomMonthOffset = Math.floor(Math.random() * (-2 - (-6) + 1)) - 6
let adjustedMonth = a.getUTCMonth() + 1 + randomMonthOffset
let dataForNASAAPI = `${a.getUTCFullYear()}-${adjustedMonth.toString().padStart(2, '0')}-$
{a.getUTCDate().toString().padStart(2, '0')}`
```

Trigger 3: after getting image from NASA API, obtaining poetry text from Poetry

```
let appendNASAData = (data) => {
    console.log(data)

    let picTitle = data.title
    let imgURL = data.url

    let picHeader = document.createElement('h3')
    picHeader.innerText = picTitle
    NASAsection.appendChild(picHeader)

    let nasaImg = document.createElement('img')
    nasaImg.src = imgURL
    NASAsection.appendChild(nasaImg)

    fetchPoetryAfterNASA();
```

```
let fetchPoetryAfterNASA = () => {
    | fetchPoetryDB();
}
```

Trigger 4: entering the stock symbol button, and clicking 'search' button

Trigger 5&6: getting the value from 'last trade value' and assigning the value to the parameter 'recordDate' to grasp information from fiscal web and News web.

Problems:

It cannot get data from fiscal API.

First, I used the endpoint of 'average interest rate', and it showed no data. Then, I checked the website, and it showed the latest data is 12/31/2023, whereas the value of 'recordData' is 01/31/2024.

Therefore, I changed to the endpoint of 'daily treasury statement: short-term cash investment', and it updates the data in time.

But it response no data, which seems to be inconsistent with the web.

Average Interest Rates on U.S. Treasury Securities Average Interest Rates on U.S. Treasury Securities /v2/accounting/od/avg_interest_rates

