



Food Holiday Calendar App

A case study by Challis Regan, Lead Developer.

Collaborated with the developer John M.



Holiday Calendar App

Thursday, November 27, 2025

Thanksgiving — undefined

Thanksgiving

November 2025					
MON	TUE	WED	THU	FRI	SAT
27	28	29	30	31	1
3	4	5	6	7	8
10	11	12	13	14	15
17	18	19	20	21	22
24	25	26	27	28	29



Overview

- Food Holiday Calendar is a web application built with React. Users can look up federal US federal holidays and food-based holidays. The front-end is written with TypeScript and React. The server logic is written Node served by Next.js and is hosted on Heroku. It connects to a custom API.
- This is a personal project. I find it fascinating how many food holidays exist and I wanted to bring all of the information together in an accessible way. It went live in November 2025.
- Project link: <https://food-holiday-calendar-b9fe7526ceeb.herokuapp.com>
- GitHub: <https://github.com/cmr927/holiday-calendar>



Technical Stack

- React, Next.js, Node.js, Typescript, SCSS
- Productivity Tool: Trello
- Deployment: Heroku



User Stories

- As a user, I want to see if there are any holidays on a certain date
- As a user, I want to look at a calendar to select dates

Code samples from DaySelectorCsv.ts

```
TS DaySelectorCsv.ts 3 X
app > api > Models > DaySelector > TS DaySelectorCsv.ts > DaySelectorCsv > constructor > on('data') callback
1 import { DaySelector, IDayDetails } from './DaySelector';
2 import dayjs from 'dayjs';
3 import { parse } from 'csv-parse';
4 import fs from 'fs';
5
6 export class DaySelectorCsv extends DaySelector {
7
8     private csvData=[] as any[];
9
10    constructor(csvPath='app/api/data/holidays.csv'){
11        super()
12        fs.createReadStream(csvPath)
13            .pipe(parse({delimiter: ',', columns: true}))
14            .on('data', (row: any) => {
15
16                console.log('row', row)
17                this.csvData.push(row);
18            })
19    }
20
21    getDay(date: Date): IDayDetails | null {
22        const day = dayjs(date).format('MM/DD')
23        const today = this.csvData.find((row: any) => row.date===day)
24        return today ? {
25            date: date,
26            title: today.title,
27            description: today.description,
28            picture: undefined
29        } : null
30
31
32
33    }
34
35    getCalendar(start: Date, end: Date): IDayDetails[] {
36        const days = this.csvData.map(row => ({
37            date: new Date(row.date + '/' + new Date().getFullYear()),
```

```
35    getCalendar(start: Date, end: Date): IDayDetails[] {
36        const days = this.csvData.map(row => ({
37            date: new Date(row.date + '/' + new Date().getFullYear()),
38            title: row.title,
39            description: row.description,
40            picture: undefined
41        })))
42        console.log(days)
43        return days.filter(day => day.date >= start && day.date <= end)
44    }
45
46 }
```



Building process

- When planning the app, we started with high level goals, such as, should this be a mobile app, web app or both? What languages and frameworks would be best?
- Next, we did a sprint plan with a list of features and corresponding tasks and assigned story points to each item and prioritized accordingly.
- We could not find an existing API of all the food holidays, so we created one using a CSV file as a first iteration data source. We built a wrapper around a CSV file so in the future, we can switch to external service or database. The wrapper helps to decouple the core API functionality from the CSV.



Building Process Part 2

- We designed the UI to be modern, accessible, and professional with a touch of playfulness that fits a food & beverage theme — think “clean dashboard meets café chalkboard energy.” We used a warm color scheme.



Retrospective

- Overall, I feel like the project went well. A notable challenge was finding a good data source on all of the holidays.
- This project is deployed and at a good status, but I feel like nothing is ever truly “done”. We could make more features in the future, like incorporating drinks and filtering. We could also switch to external service or database instead of our CSV file.



Thank you! Feel free to connect with me. 😊

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[GitHub](#)

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