Hybrid-Tracker

Interactive Front-End Project
June 20, 2023

Meet the Team

Vinita Navani
she/her

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Loves to cook and hike.

Tina Huang
she/her

github.com/THw2023

Enjoys playing computer games.

Laurel Kidd
they/them

github.com/SquirrelsAtARave

Likes animals more than most humans.

Alicia Hermez
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Loves to learn.

Jimmy Varos
he/him

github.com/varos-je

Proud owner of two golden retrievers.

Elevator Pitch

Hybrid-Tracker empowers employees to quickly track and plan their schedule throughout the month to meet the 50% in-office requirements and equips them with in-app posted federal holidays and a weather report by city or zip code for the current and following four days to support their planning efforts.

Concept

- **Motivation for development:**

    - Hybrid work (a schedule composed of both in-office and remote work) has become increasingly common in recent years.
    - Many companies now set limits on how much remote work may be included in an employee schedule.

- **User Story:**

    - As an employee, I need a simple web application to help me plan and track my schedule in order to meet my company's requirement that 50% of my workdays be in-office.

- **Assumptions:**

    - Employees work Monday-Friday
    - Employees do not work on federal holidays
    - Employees need a day-count only, for the month of June

Acceptance Criteria

Scenario: I need to review my attendance and plan my schedule for next week
Given: I open the web application in a chrome browser and

IF I look at the web application page,

THEN I will find a display of this month's calendar laid out in a box grid with white weekday boxes, pink holiday boxes, and grey weekend day boxes.

IF I hover the mouse over a weekday that is not a holiday,

THEN the box will turn orange.

IF I click on a weekday that is not a holiday,

THEN the box will turn to yellow AND a value of 1 is added to the count for in-office days AND the day will be added to the in-office percentage.

IF the box is already yellow and I click again,

THEN the box turns white AND a value of 1 is removed from the count for in-office days AND the day will be deducted from the in-office percentage.

IF I click on weekends or holiday(s),

THEN the box color and counts will remain the same.

IF I scroll down the page below the calendar,

THEN I will see outputs for number of working days in the month AND number of days worked in-office so far AND the percentage of days worked in-office to the total.

IF I scroll down below the day counters,

THEN I will see a display of upcoming holiday(s) this month provided by the holiday API.

IF I scroll down below the holiday display and input a city or zipcode,

THEN the weather API will provide the weather forecast for today and the following 4 days.

IF I click on dates I work in-office and then return to reload the page at another time,

THEN the web application will retrieve AND display my input from the previous session from the local storage.

Process

- **Technologies used:**
  - HTML, Javascript, Bulma CSS framework
  - [nager.date API](#)
  - [OpenWeather API](#)
- **Challenges:**
  - Overriding Bulma pre-set properties for class card, column, etc.
  - We hardcoded for the month of June 2023, but would like to make it dynamic
  - Responsiveness for the calendar grid
  - Local Storage
  - API challenges (date data formatting, calling script twice)
- **Successes:**
  - Getting repeated clicks on day on the calendar to stop deducting from the selected total number.
  - Team coding sessions & problem-solving.

Responsibilities

- All Github approvals / Team
- Bulma configuration & Wireframing / Team
- APIs / Alicia & Jimmy
- Acceptance Criteria / Tina
- Javascripts / Vinita
- Additional Css / Vinita & Jimmy
- Responsiveness / Alicia & Jimmy
- README / Alicia
- Presentation / Tina & Laurel
- Project management / Laurel

Demo

Directions for Future Development

- The future of the Hybrid-Tracker app is promising as remote and in-office work continue to evolve.

- The Hybrid-Tracker will incorporate advanced features and technologies for a comprehensive and intuitive user experience.

- Seamless integration with various calendar and scheduling platforms will be offered.

- The app will adapt to leverage data analytics.

- Valuable insight will be generated for both individuals and organizations.

- The Hybrid-Tracker will be used in different countries world-wide.

- The calendar will be made dynamic for monthly displays, and will be scaled for quarterly and annual data (currently hardcoded for June 2023).

- Add a traffic API to determine and/or display commute time.

Links

- **Deployed Web Application**
  https://ahermez.github.io/hybrid-tracker-project-1/

- **GitHub Project Repo**
  https://github.com/ahermez/hybrid-tracker-project-1

- **nager.date API**
  https://date.nager.at/api/v3/publicholidays/2023/US

- **OpenWeather API**
  https://api.openweathermap.org

Thank You

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