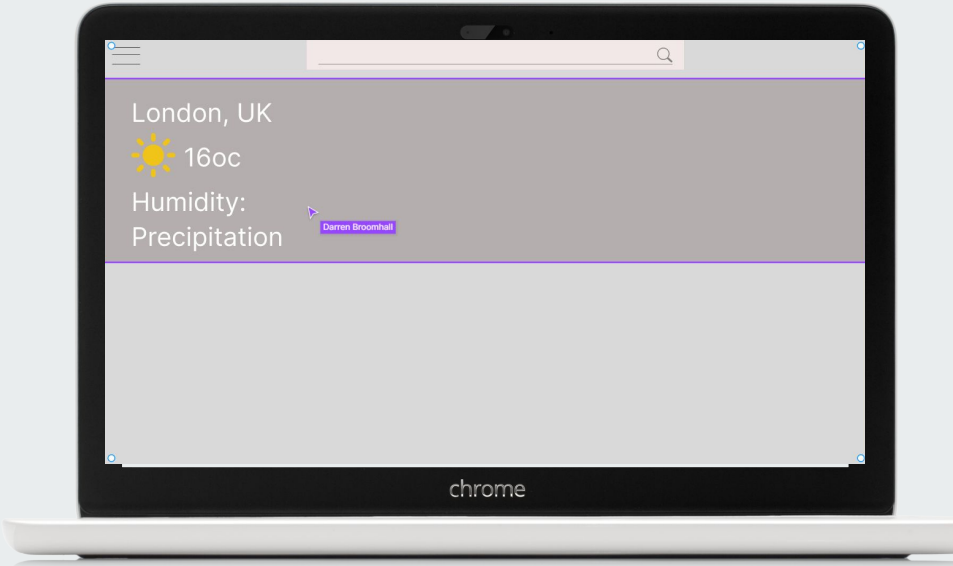
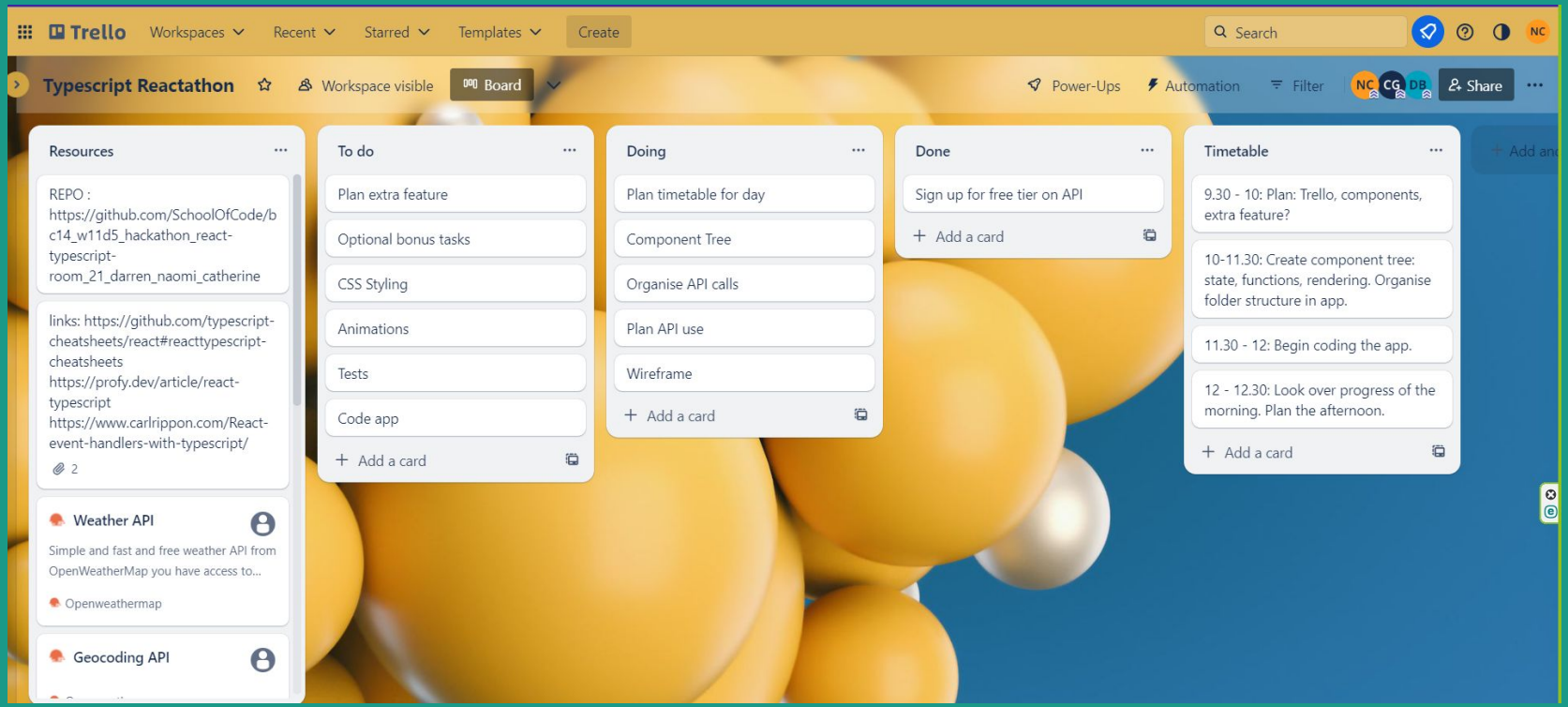
Typescript-React Weather App

Bidhan, Catherine, Darren, Naomi
Hackathon - Week 11



Planning


Trello
Workspaces
Recent
Starred
Templates
Create
Search
Typescript Reactathon
Workspace visible
Board
Power-Ups
Automation
Filter
Share
Resources
REPO : https://github.com/SchoolOfCode/bc14_w11d5_hackathon_react-typescript-room_21_darren_naomi_catherine
links: https://github.com/typescript-cheatsheets/react#reacttypescript-cheatsheets https://profy.dev/article/react-typescript https://www.carlrippon.com/React-event-handlers-with-typescript/
2
Weather API
Simple and fast and free weather API from OpenWeatherMap you have access to...
Openweathermap
Geocoding API
To do
Plan extra feature
Optional bonus tasks
CSS Styling
Animations
Tests
Code app
Add a card
Doing
Plan timetable for day
Component Tree
Organise API calls
Plan API use
Wireframe
Add a card
Done
Sign up for free tier on API
Add a card
Timetable
9.30 - 10: Plan: Trello, components, extra feature?
10-11.30: Create component tree: state, functions, rendering. Organise folder structure in app.
11.30 - 12: Begin coding the app.
12 - 12.30: Look over progress of the morning. Plan the afternoon.
Add a card

TWO API CALLS:

1. FETCH LAT AND LONG from geogoding API using city name
2. use lat and long to fetch WEATHER from weather aPI onecall 3.0

Naomi Crisp

```
},
"lat":51.5073219,
"lon":-0.1276474,
"country":"GB",
"state":"England"
},
```

```
async function fetchLatLonAPI(search) {
const url1 = 'http://...nwe...map.org/
geo/1.0/direct?q=${...
&limit=1&appid=03eea...073330aef774
df3e8'
cost response1 = a...ch(
const data1 = await response1.json()
const lat = data1.lat
const lon = data1.lon
const url2 = `https://api.openweathermap.org/
data/3.0/onecall?lat=${lat}&lon=${lon}
&appid=03eeaa1ba18c8cd073330aef774df3e8`
const response2 = await fetch(url2)
const data2 = await response2.json()
return data2
}
```

STRETCH GOALS

Make location widgets that you can click on to bring up a more detailed 24hr weather report timeline. Have toggles for hourly and daily above the timeline.

Darren Broomhall

Make a menu/filter to more easily bring up a record for weather hourly/ daily - Bidhan

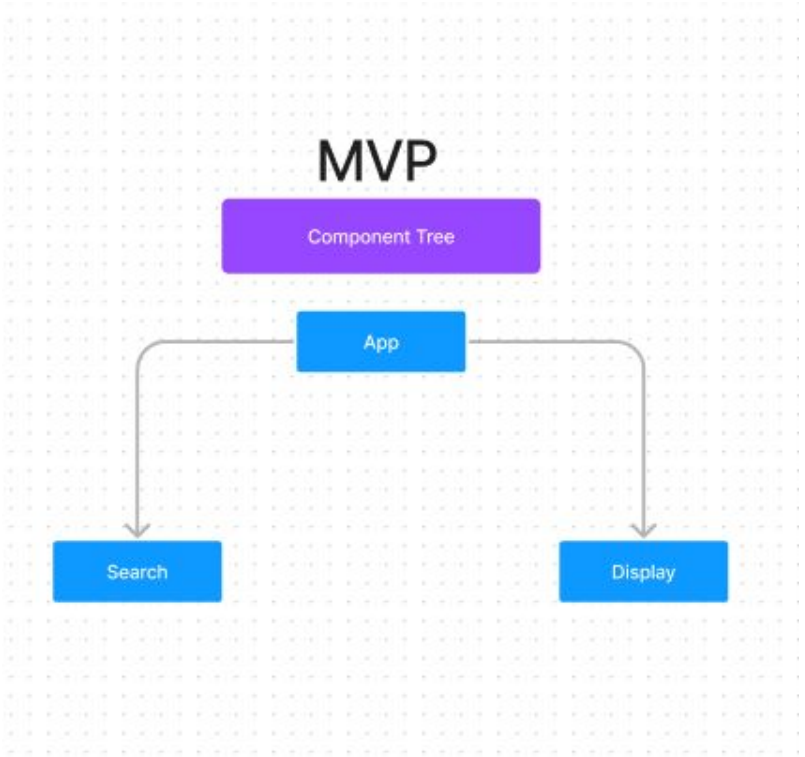
Darren Broomhall

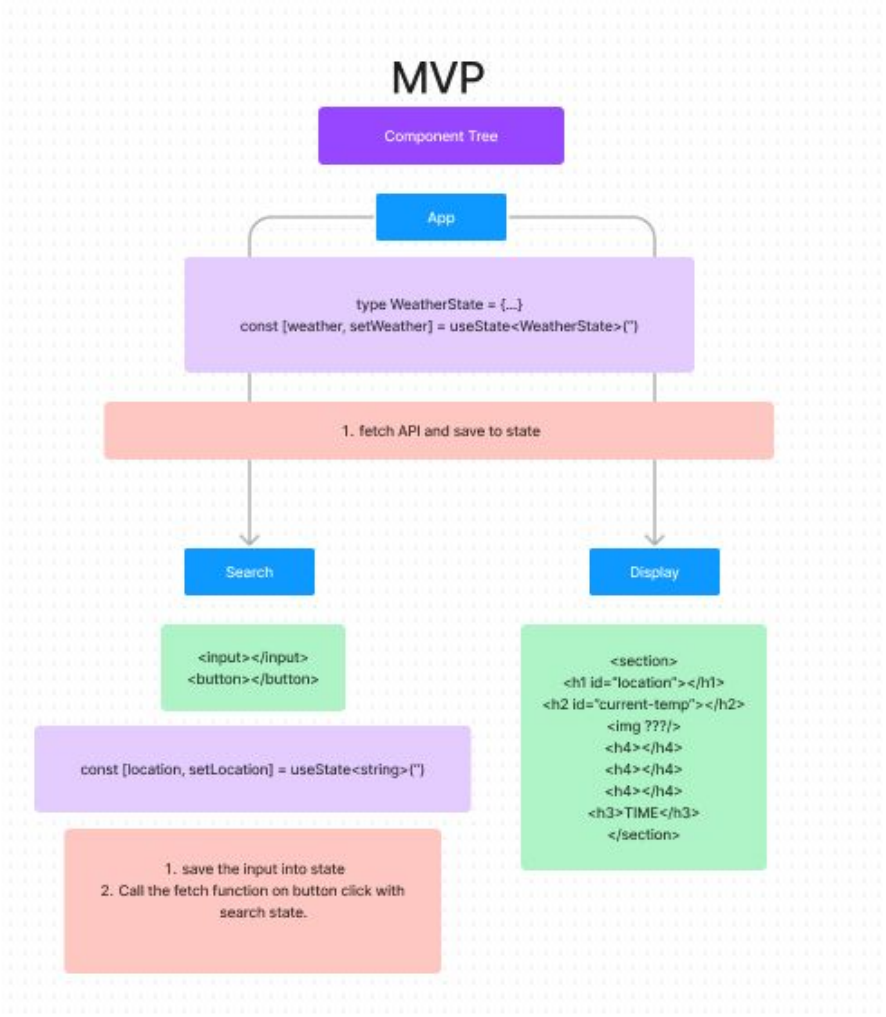
******CORRECTION: ONLY ONE API CALL WAS REQUIRED.**

PSA: CHECK EMAILS.

OpenWeather Team OpenWeatherMap API Instruction - D

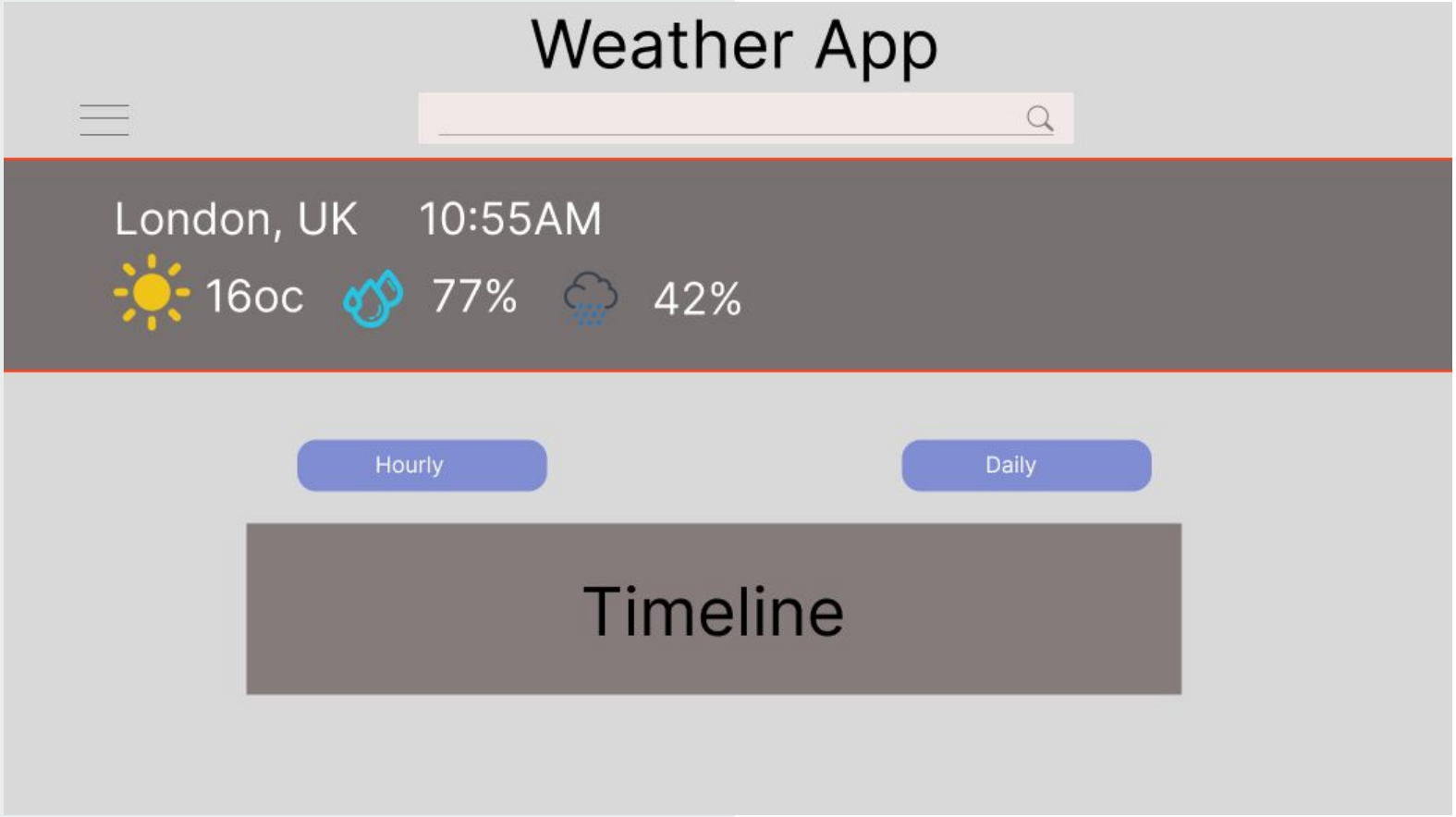
Component tree





Component tree + code planning

Wireframe


Weather App
London, UK
10:55AM
16oc
77%
42%
Hourly
Daily
Timeline

The real thing: