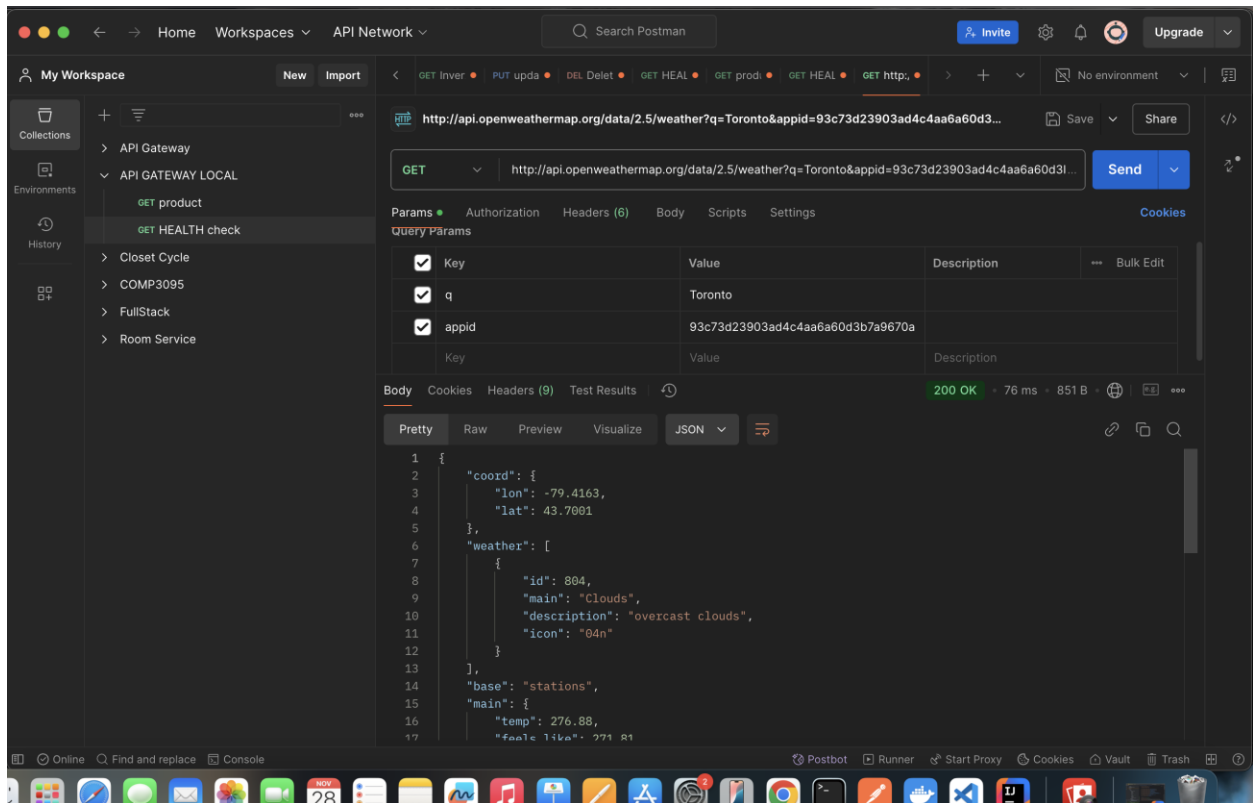


# 101297977\_comp3123\_labtest2

By: Margaret Terechtchenko 101297977

[https://github.com/margaretTere/101297977\\_comp3123\\_labtest2](https://github.com/margaretTere/101297977_comp3123_labtest2)

## Postman



UI



## Search for Cities

Search city



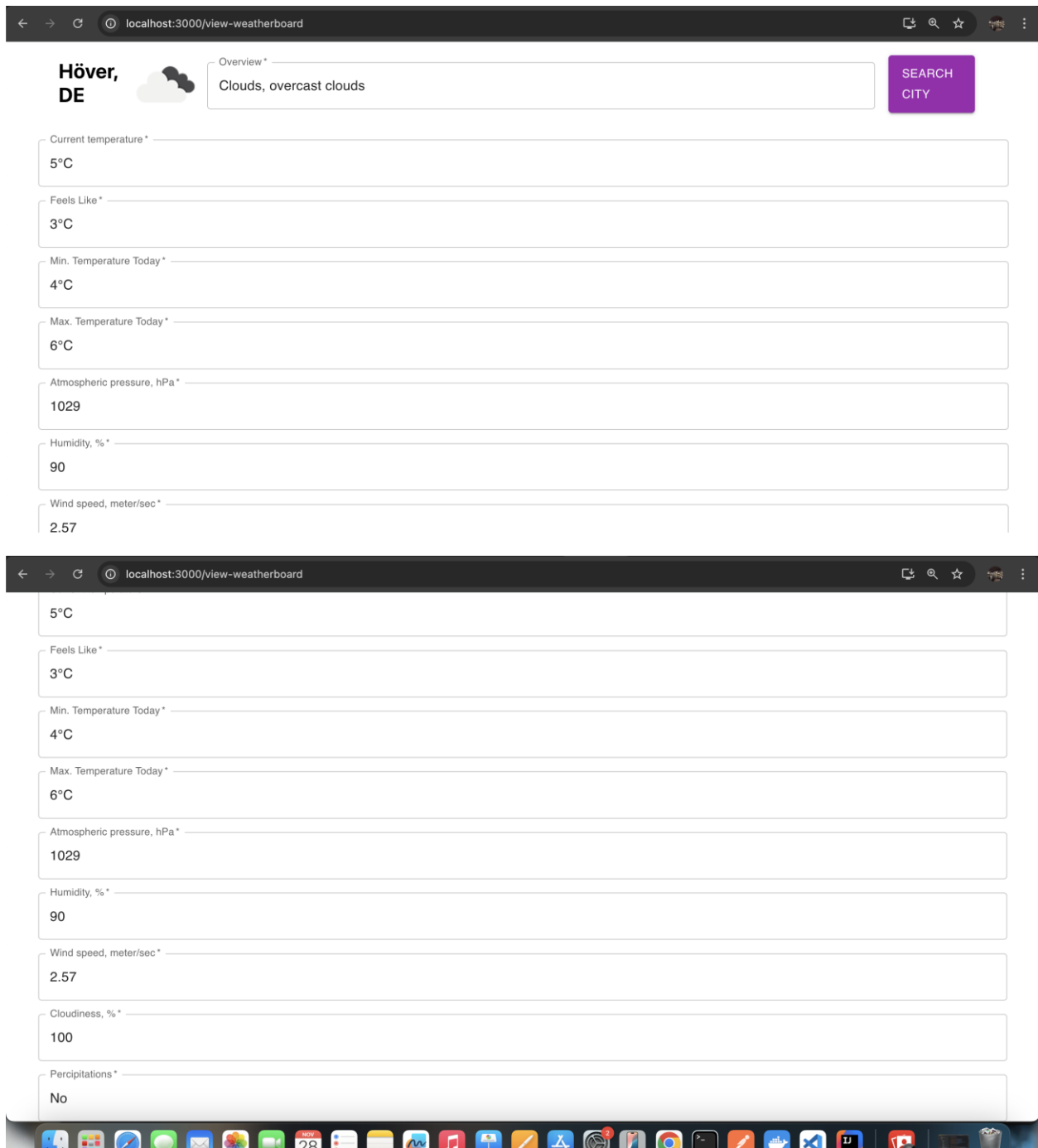
## Search for Cities

Search city

hover|

Höver, DE





Code

## EXPLORER

...

## ✓ 101297977\_COMP3123\_LABTEST2

&gt; node\_modules

&gt; public

✓ src ●

✓ components ●

JS search-city-component.js U

JS weatherboard-component.js U

# App.css

JS App.js M

JS App.test.js

JS config.js U

# index.css

JS index.js

🖼 logo.svg

📄 param\_description.md U

JS reportWebVitals.js

JS setupTests.js

📄 .gitignore

{ } package-lock.json M

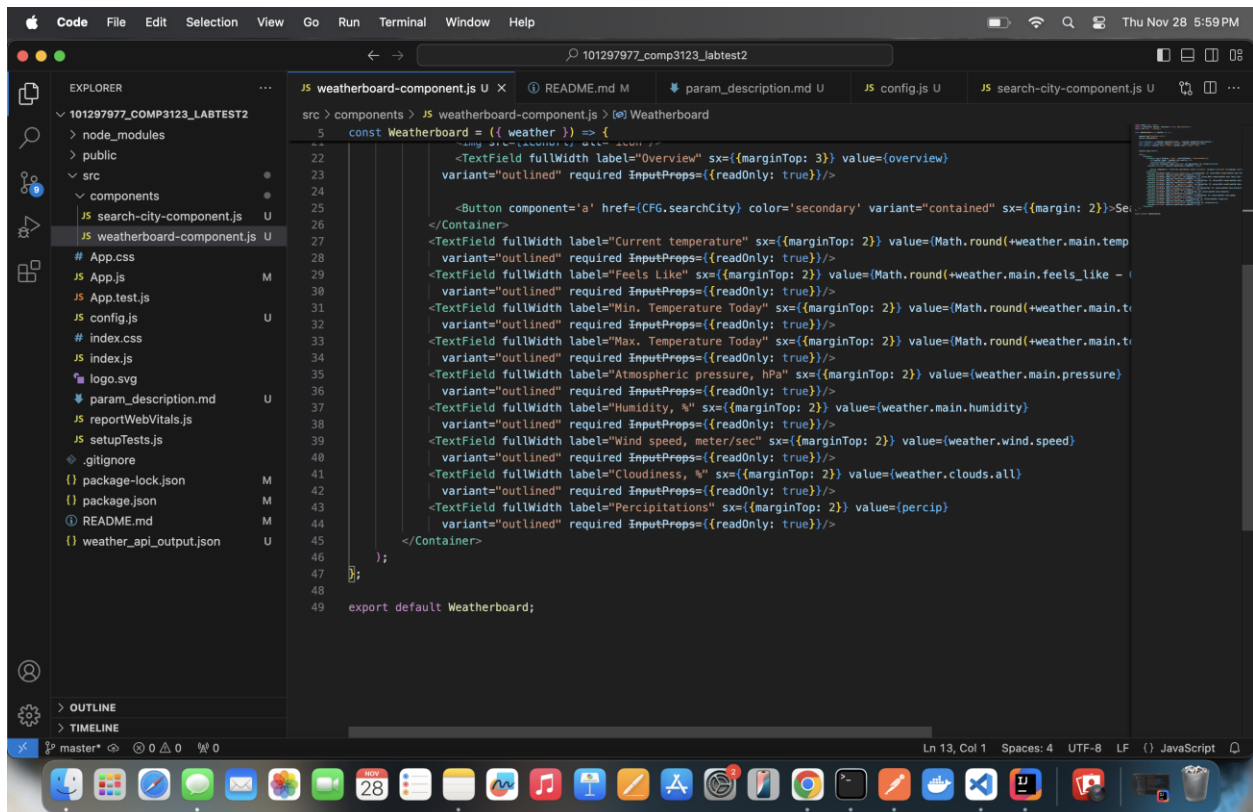
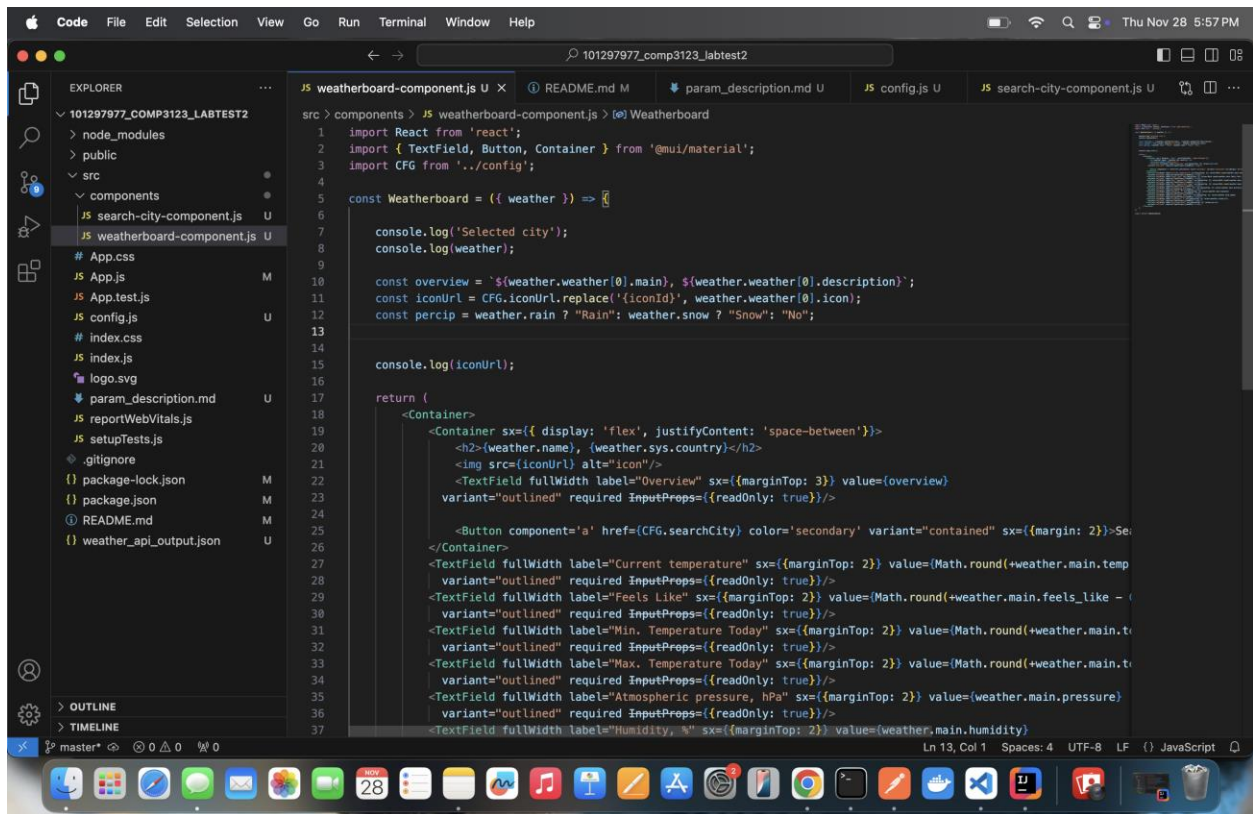
{ } package.json M

📄 README.md M

{ } weather\_api\_output.json U

```
src > components > JS search-city-component.js @ default
1 import React, { useState } from 'react';
2 import axios from 'axios';
3 import { TextField, Container, List, ListItem, ListItemText } from '@mui/material';
4 import { useNavigate } from 'react-router-dom';
5 import CFG from '../config';
6
7 const SearchCity = ({ setWeather }) => {
8   const [searchStr, setSearchStr] = useState('');
9   const [weatherData, setWeatherData] = useState([]);
10  const [error, setError] = useState('');
11  const navigate = useNavigate();
12
13  const handleSearch = async () => {
14    const url = CFG.cityUrl.replace('{city}', searchStr);
15
16    try {
17      const response = await axios.get(url);
18      setWeatherData(response.data.list);
19      setError('');
20    } catch (err) {
21      setError('There was a problem getting data from weather service.');
```

```
26   const handleSelectCity = (cityWeather) => {
27     setWeather(cityWeather);
28     navigate(CFG.viewWeatherBoard);
29   };
30
31   return (
32     <Container>
33       <h1>Search for Cities</h1>
34       <TextField fullWidth label="Search city" value={searchStr}
35         onChange={(e) => setSearchStr(e.target.value)} onKeyDown={handleSearch}
36         variant="outlined"/>
37       <div style={{ color: 'red' }}>{error}</div>
38
39       {weatherData.length > 0 && (
40         <List style={{ border: '1px solid #ccc', maxHeight: '200px', overflowY: 'auto' }}>
41           {weatherData.map((cityWeather) => (
42             <ListItem key={cityWeather.id} onClick={() => handleSelectCity(cityWeather)} style={{ cursor: 'pointer' }}>
43               <ListItemText>{cityWeather.name}, {cityWeather.sys.country}</ListItemText>
44             </ListItem>
45           ))}
46         </List>
47       )}
48     </Container>
49   );
50
51 };
52
53 export default SearchCity;
```



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101297977\_comp3123\_labtest2

EXPLORER

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  - src
    - components
      - search-city-component.js U
      - weatherboard-component.js U
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    - App.js M
    - App.test.js
    - config.js U
    - index.css
    - index.js
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    - param\_description.md U
    - reportWebVitals.js
    - setupTests.js
    - .gitignore
    - package-lock.json M
    - package.json M
    - README.md M
    - weather\_api\_output.json U

src > JS App.js > default

```
1 import React, { useState } from 'react';
2 import { BrowserRouter as Router, Route, Routes } from 'react-router-dom';
3 import SearchCity from './components/search-city-component';
4 import Weatherboard from './components/weatherboard-component';
5 import CFG from './config';
6
7 function App() {
8   const [weather, setWeather] = useState(null);
9
10  return (
11    <Router>
12      <Routes>
13        <Route exact path={CFG.searchCity} element={<SearchCity setWeather={setWeather}/>} />
14        <Route path={CFG.viewWeatherBoard} element={<Weatherboard weather={weather}/>} />
15      </Routes>
16    </Router>
17  );
18
19  export default App;
```

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101297977\_comp3123\_labtest2

EXPLORER

- 101297977\_COMP3123\_LABTEST2
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    - config.js U
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    - index.js
    - logo.svg
    - param\_description.md U
    - reportWebVitals.js
    - setupTests.js
    - .gitignore
    - package-lock.json M
    - package.json M
    - README.md M
    - weather\_api\_output.json U

src > JS config.js > default

```
1 const CFG = {
2   cityUrl: 'https://api.openweathermap.org/data/2.5/find?q={city}&type=like&cnt=30&appid=93c73d23903ad4c4aa6a60d3b7',
3   // cityUrl: 'https://openweathermap.org/data/2.5/find?q=London&type=like&sort=population&cnt=30&appid=439d4b804bc8',
4   iconUrl: 'https://openweathermap.org/img/wn/{iconId}@2x.png',
5   weatherUrl: 'http://api.openweathermap.org/data/2.5/weather?q={city}&appid=93c73d23903ad4c4aa6a60d3b7a9670a',
6   kelvin: 273.15,
7   searchCity: '/',
8   viewWeatherBoard: '/view-weatherboard'
9 };
10
11 export default CFG;
```

Ln 11, Col 20 Spaces: 4 UTF-8 LF JavaScript



