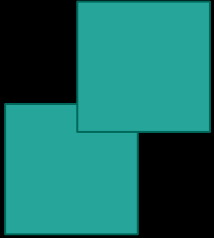


Weather App



Kaleb Hill

Hajar Alhassan

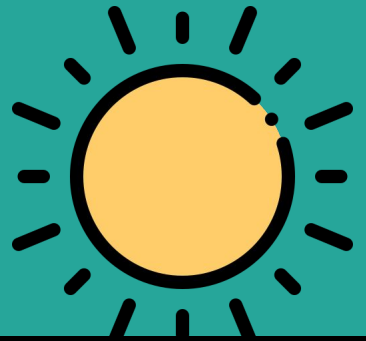
Sophie Cam

Marquis Blocker

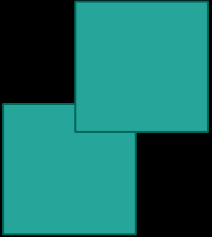
Brice Lewis

Deepshikha Sharma

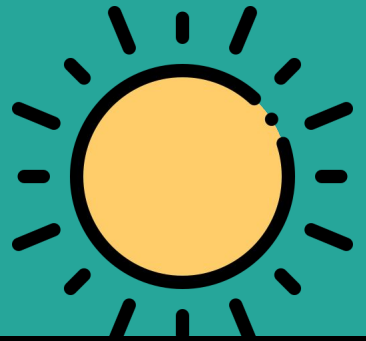
User Story



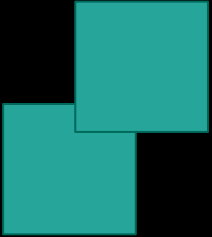
- ❖ As a Weather App User, I need:
 - Option for cities to choose from
 - Each city should have its own weather Daily and Weekly
 - Date and Time to display on the main page
 - Web Page to be Responsive
 - Mobile friendly
 - Easy to Navigate
 - Ability to change time zone



Outline




- ❖ We included three cities as components, and used a Navbar to navigate through them.
- ❖ Each city has its own weather (stored in states) passed down to Daily and Weekly components
- ❖ Depending on the states passed down from a city component the app will render to a weekly or daily view depending on the Called Child component
- ❖ We also added Date and time to our main app page





Whimsical wireframe




Date


New York

Temperature: 60 ° F


Clear Sky




Sunday
24/65
F°




Monday
32/54
F°




Tuesday
24/65
F°




Wednesday
24/65
F°



Thursday
24/65
F°

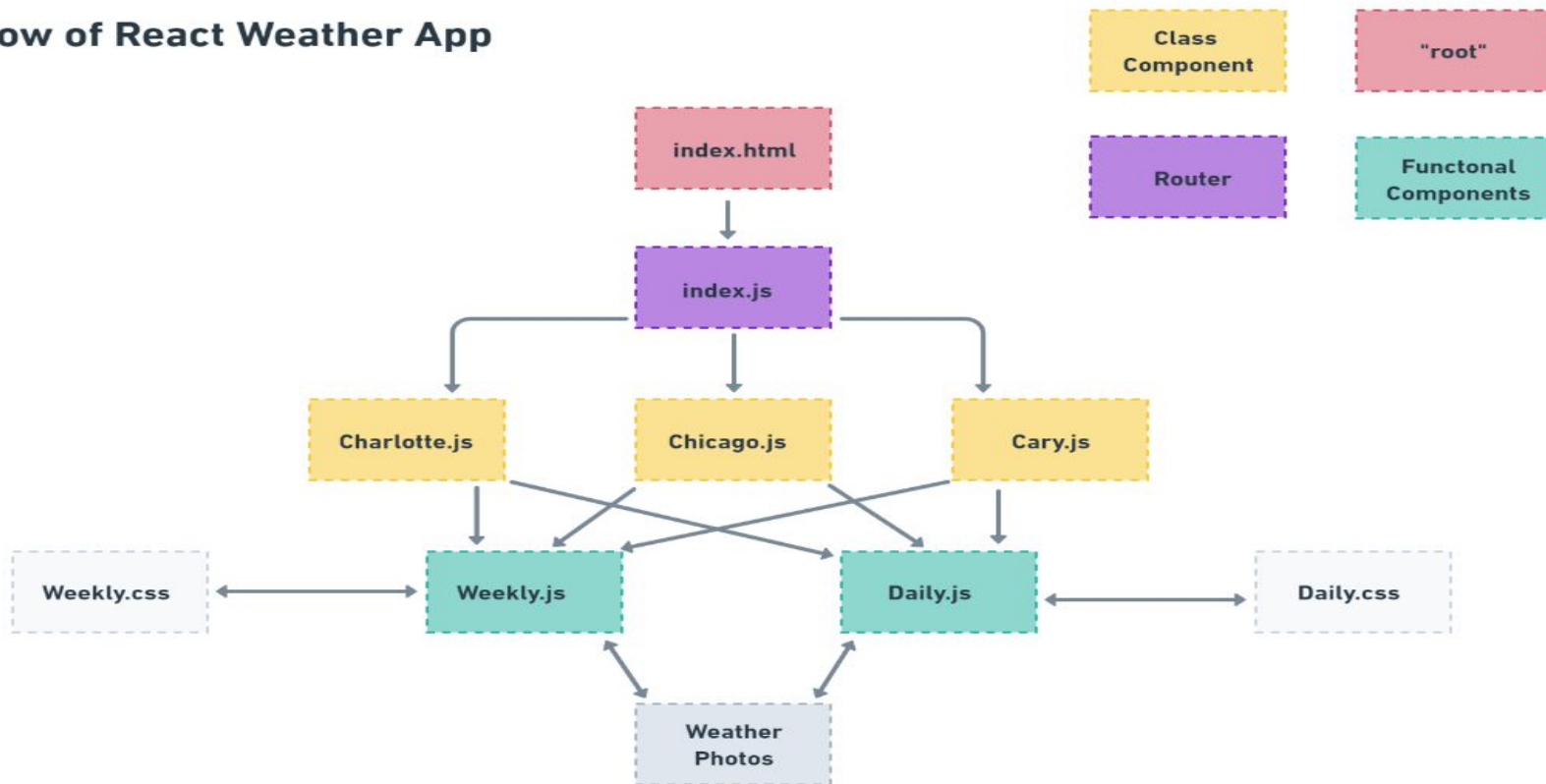


Friday
24/65
F°



Saturday
24/65
F°

Flow of React Weather App



Weather App

Charlotte

Chicago

Cary



City: Charlotte

Date: 3/23/2021

Time: 2:4 PM

Forecast: Sunny

Temp: 52

68/50

Sunday



61/53

Monday



73/54

Tuesday



78/65

Wednesday



81/52

Thursday



77/60

Friday

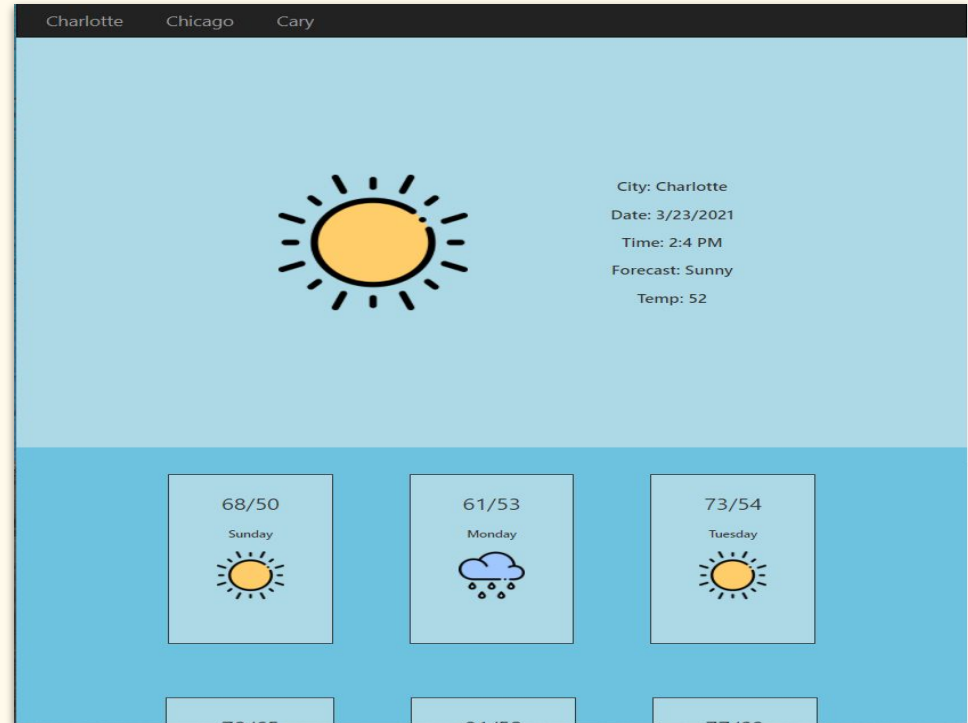
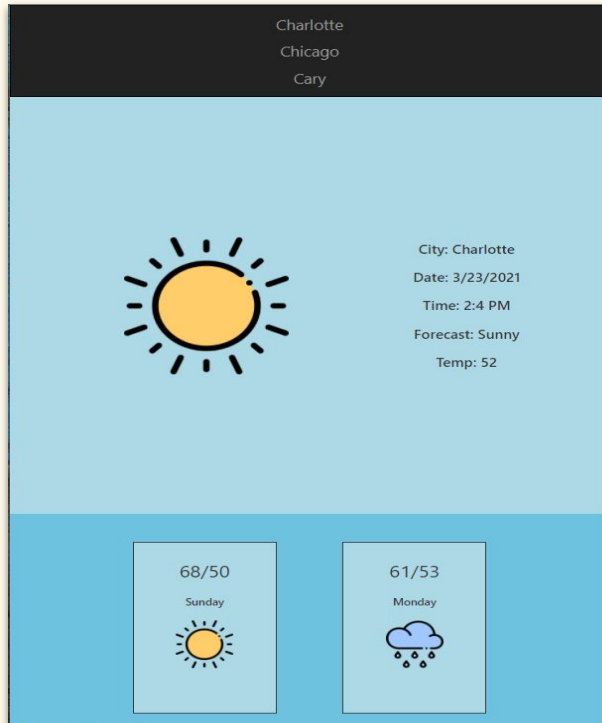


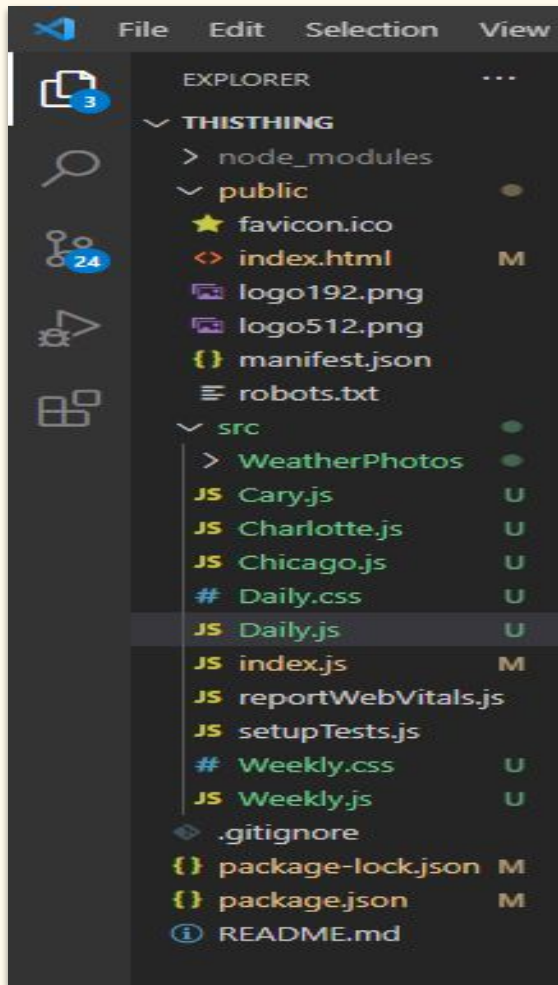
75/49

Saturday



Responsiveness





Components :

Parent components:

`<Charlotte/>`

`<Chicago/>`

`<Cary/>`

Children components:

`<Weekly/>`

`<Daily/>`

<Cary/> parent component

<Weekly/> child component

```
group-app > src > JS Caryjs > Cary > constructor
1 import React from "react"
2 import Daily from './Daily'
3 import Weekly from './Weekly'
4 import cloudy from './WeatherPhotos/cloudy.png'
5 import fahrenheit from './WeatherPhotos/fahrenheit.png'
6 import sun from './WeatherPhotos/sun.png'
7 import rain from './WeatherPhotos/rain.png'
8 import thunderstorm from './WeatherPhotos/thunderstorm.png'
9
10 class Cary extends React.Component {
11   constructor() {
12     super()
13     this.state = {
14       dailyTemp: 58,
15       dailyDate: "3/22/2021",
16       dailyForecast: "mainline",
17       dailyCityName: "Cary",
18       dailyPic: rain,
19       weeklyTemp1: "65/56",
20       weeklyTemp2: "68/52",
21       weeklyTemp3: "71/52",
22       weeklyTemp4: "78/64",
23       weeklyTemp5: "82/54",
24       weeklyTemp6: "78/59",
25       weeklyTemp7: "76/48",
26       weeklyPic1: sun,
27       weeklyPic2: cloudy,
28       weeklyPic3: thunderstorm,
29       weeklyPic4: rain,
30       weeklyPic5: rain,
31       weeklyPic6: sun,
32       weeklyPic7: sun,
33     }
34   }
35   render() {
36     return (
37       <div>
38         <Daily
39           city={this.state.dailyCityName}
40           date={this.state.dailyDate}
41           forecast={this.state.dailyForecast}
42           temp={this.state.dailyTemp}
43           pic={this.state.dailyPic}
44         />
45         <Weekly
46           temp1={this.state.weeklyTemp1}
47           temp2={this.state.weeklyTemp2}
48           temp3={this.state.weeklyTemp3}
49           temp4={this.state.weeklyTemp4}
50           temp5={this.state.weeklyTemp5}
51           temp6={this.state.weeklyTemp6}
52           temp7={this.state.weeklyTemp7}
53           pic1={this.state.weeklyPic1}
54           pic2={this.state.weeklyPic2}
55           pic3={this.state.weeklyPic3}
56           pic4={this.state.weeklyPic4}
57           pic5={this.state.weeklyPic5}
58           pic6={this.state.weeklyPic6}
59           pic7={this.state.weeklyPic7}
60         />
61       </div>
62     )
63   }
64 }
65
66 export default Cary
```

```
group-app > src > JS Weeklyjs > Weekly
1 import React, {Component} from "react"
2 import './Weekly.css'
3
4 function Weekly(props) {
5   return (
6     <div>
7       <div class="weekly">
8         <div id="sunday">
9           <p>{props.temp1}</p>
10           <!-- this p element displays the temperature passed down from the city selected in the navbar -->
11           <h5>Sunday</h5>
12           <!-- this h5 element displays the day of the week inside the weekly elements on the bottom of the webpage -->
13           <img src={props.pic1} alt="supposed to be prop pic1 width="70px" height="70px"/>
14           <!-- could not resize these pictures in css for some reason, had to do it in the html -->
15         </div>
16         <div id="monday">
17           <p>{props.temp2}</p>
18           <h5>Monday</h5>
19           <img src={props.pic2} alt="supposed to be prop pic 2" width="70px" height="70px"/>
20         </div>
21         <div id="tuesday">
22           <p>{props.temp3}</p>
23           <h5>Tuesday</h5>
24           <img src={props.pic3} alt="supposed to be prop pic 3" width="70px" height="70px"/>
25         </div>
26         <div id="wednesday">
27           <p>{props.temp4}</p>
28           <h5>Wednesday</h5>
29           <img src={props.pic4} alt="supposed to be prop pic 4" width="70px" height="70px"/>
30         </div>
31         <div id="thursday">
32           <p>{props.temp5}</p>
33           <h5>Thursday</h5>
34           <img src={props.pic5} alt="supposed to be prop pic 5" width="70px" height="70px"/>
35         </div>
36         <div id="friday">
37           <p>{props.temp6}</p>
38           <h5>Friday</h5>
39           <img src={props.pic6} alt="supposed to be prop pic 6" width="70px" height="70px"/>
40         </div>
41         <div id="saturday">
42           <p>{props.temp7}</p>
43           <h5>Saturday</h5>
44           <img src={props.pic7} alt="supposed to be prop pic 7" width="70px" height="70px"/>
45         </div>
46       </div>
47     </div>
48   )
49 }
50
51 export default Weekly
```

Inside the index.js:

<NavBar/> The Navbar component

<Routes/> The Routes component

```
Go Run Terminal Help
index.html JS index.js x {} package.json JS Cary.js JS Charlotte.js JS Chicago.js #
group-app > src > JS index.js > ...
1 import React, {Component} from 'react';
2 import ReactDOM from 'react-dom';
3 import {
4   BrowserRouter as Router, // we are aliasing this module for a cleaner call
5   Route,
6   Link
7 } from 'react-router-dom';
8 import reportWebVitals from './reportWebVitals';
9 import Cary from './Cary'
10 import Charlotte from './Charlotte'
11 import Chicago from './Chicago'
12
13
14 class NavBar extends Component {
15   render(){
16     return(
17       <div className="nav">
18         <Link to="/">Charlotte</Link> |
19         <Link to="/about">Cary</Link> |
20         <Link to="/menu">Chicago</Link>
21       </div>
22       <nav class="navbar navbar-inverse">
23         <div class="container-fluid">
24           <div class="navbar-header">
25             <div>
26               <ul class="nav navbar-nav">
27                 <li><Link to="/">Charlotte</li>
28                 <li><Link to="/about">Chicago</li>
29                 <li><Link to="/menu">Cary</li>
30               </ul>
31             </div>
32           </nav>
33         </div>
34       </div>
35     );
36   }
37 }
38
39 class Routes extends Component {
40   render(){
41     return(
42       <div>
43         <Router>
44           <div>
45             <NavBar />
46             <Route name="Charlotte" exact path="/" component={Charlotte}/>
47             <Route name="Cary" path="/menu" component={Cary}/>
48             <Route name="Chicago" path="/about" component={Chicago} />
49           </div>
50         </Router>
51       </div>
52     );
53   }
54 }
55
56 ReactDOM.render(<Routes />, document.getElementById('root'));
57
58 reportWebVitals();
```

ReactDOM.render(<Routes/>,document.getElementById('root'))