function formatDate(*timeStamp*) {

 let date = **new** *Date*(*timeStamp*);

 let hours = date.getHours();

 if (hours < 10) {

  hours = `0${hours}`;

 }

 let minutes = date.getMinutes();

 if (minutes < 10) {

  minutes = `0${minutes}`;

 }

 let days = [

  "Sunday",

  "Monday",

  "Tuesday",

  "Wednesday",

  "Thursday",

  "Friday",

  "Saturday",

 ];

 let day = days[date.getDay()];

 return `${day} ${hours}:${minutes}`;

}

function formatDay(*timeStamp*) {

 let date = **new** *Date*(*timeStamp* \* 1000);

 let day = date.getDay();

 let days = ["Sun", "Mon", "Tue", "Wed", "Thu", "Fri", "Sat"];

 return days[day];

}

function displayForecast(*response*) {

 let forecast = *response*.data.daily;

 let forecastElement = document.querySelector("#forecast");

 let forecastHTML = `<div class="row">`;

 forecast.forEach(function (*forecastDay*, *index*) {

  if (*index* < 6) {

   forecastHTML =

    forecastHTML +

    `

   <div class="col-2">

    <div class="weather-forecast-date">${formatDay(*forecastDay*.dt)}</div>

    <img

     src="http://openweathermap.org/img/wn/${

*forecastDay*.weather[0].icon

     }@2x.png"

     alt=""

     width="42"

    />

    <div class="weather-forecast-temperatures">

     <span class="weather-forecast-temperature-max"> ${Math.round(

*forecastDay*.temp.max

     )}° </span>

     <span class="weather-forecast-temperature-min"> ${Math.round(

*forecastDay*.temp.min

     )}° </span>

    </div>

   </div>

 `;

  }

 });

 forecastHTML = forecastHTML + `</div>`;

 forecastElement.innerHTML = forecastHTML;

}

function getForecast(*coordinates*) {

 let apiKey = "0ba903451faaf590d12cc324de4786f4";

 let apiUrl = `https://api.openweathermap.org/data/2.5/onecall?lat=${*coordinates*.lat}&lon=${*coordinates*.lon}&appid=${apiKey}&units=metric`;

 console.log(apiUrl);

 axios.get(apiUrl).then(displayForecast);

}

function displayTemperature(*response*) {

 let temperatureElement = document.querySelector("#temperature");

 let cityElement = document.querySelector("#city");

 let descriptionElement = document.querySelector("#description");

 let humidityElement = document.querySelector("#humidity");

 let windElement = document.querySelector("#wind");

 let dateElement = document.querySelector("#date");

 let iconElement = document.querySelector("#icon");

 celsiusTemperature = *response*.data.main.temp;

 temperatureElement.innerHTML = Math.round(celsiusTemperature);

 cityElement.innerHTML = *response*.data.name;

 descriptionElement.innerHTML = *response*.data.weather[0].description;

 humidityElement.innerHTML = response.data.main.humidity;

 windElement.innerHTML = Math.round(response.data.wind.speed);

 dateElement.innerHTML = formatDate(response.data.dt \* 1000);

 iconElement.setAttribute(

  "src",

  `http://openweathermap.org/img/wn/${*response*.data.weather[0].icon}@2x.png`

 );

 iconElement.setAttribute("alt", *response*.data.weather[0].description);

 getForecast(response.data.coord);

}

function search(*city*) {

 let apiKey = "0ba903451faaf590d12cc324de4786f4";

 let apiUrl = `https://api.openweathermap.org/data/2.5/weather?q=${*city*}&appid=${apiKey}&units=metric`;

 axios.get(apiUrl).then(displayTemperature);

}

function handleSubmit(*event*) {

*event*.preventDefault();

 let cityInputElement = document.querySelector("#city-input");

 search(cityInputElement.value);

}

function displayFahrenheitTemperature(*event*) {

*event*.preventDefault();

 let temperatureElement = document.querySelector("#temperature");

 let fahrenheitTemperature = (celsiusTemperature \* 9) / 5 + 32;

 celsiusLink.classList.remove("active");

 fahrenheitLink.classList.add("active");

 temperatureElement.innerHTML = Math.round(fahrenheitTemperature);

}

function displayCelsiusTemperature(*event*) {

*event*.preventDefault;

 celsiusLink.classList.add("active");

 fahrenheitLink.classList.remove("active");

 let temperatureElement = document.querySelector("#temperature");

 temperatureElement.innerHTML = Math.round(celsiusTemperature);

}

let celsiusTemperature = null;

let form = document.querySelector("#search-form");

form.addEventListener("submit", handleSubmit);

let fahrenheitLink = document.querySelector("#fahrenheit-link");

fahrenheitLink.addEventListener("click", displayFahrenheitTemperature);

let celsiusLink = document.querySelector("#celsius-link");

celsiusLink.addEventListener("click", displayCelsiusTemperature);

search("New York");