

9월 2일 (목)

1. Codecademy - Learn JavaScript Syntax : Requests

Project 1. Wanderlust (여행지 날씨, 장소추천 애플리케이션)

Foursquare API 와 OpenWeather API 를 사용하여 받아온 응답으로 웹페이지를 만들어보자.



Where do you want to land?

Submit

서울특별시 CURRENT WEATHER

Thursday
Temperature: 77°F
Condition: broken clouds



TOP ATTRACTIONS

남산산책로



Address:
용산구 남산공원길
서울특별시
대한민국

TOP ATTRACTIONS

남산산책로



Address:

용산구 남산공원길
서울특별시
대한민국

반포한강공원



Address:

서초구 신반포로11길 40
서울특별시
대한민국

올림픽공원



Address:

송파구 올림픽로 424
서울특별시
대한민국

API 호출 순서

1. Add API Information
2. Get Data from Foursquare
3. Get Data from OpenWeather
4. Render Data from Foursquare API
5. Render Data from OpenWeather

JS 전체코드

```
// Foursquare API Info
const clientId = 'NU55WEIIMKBPSC5FS3LAV503K4XBEWZ4FBUHEVC4CIC0E05T';
const clientSecret = '5CDPB40RTHYLZUWLG1442ERQ5BZTHHA0YGSVFN1RBUUIKEU1';
```

```

const url = 'https://api.foursquare.com/v2/venues/explore?near=';

// OpenWeather Info
const openWeatherKey = 'f1dc0f4f21346392f6d7df8780e05b';
const weatherUrl = 'https://api.openweathermap.org/data/2.5/weather';

// Page Elements
const $input = $('#city');
const $submit = $('#button');
const $destination = $('#destination');
const $container = $('.container');
const $venueDivs = [$('#venue1'), $('#venue2'), $('#venue3'), $('#venue4')];
const $weatherDiv = $('#weather1');
const weekDays = ['Sunday', 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday'];

// Add AJAX functions here:
const getVenues = async () => {
  const city = $input.val();
  const urlToFetch = `${url}${city}&limit=10&client_id=${clientId}&client_secret=${clientSecret}&v=20210902`;

  try {
    const response = await fetch(urlToFetch);
    if (response.ok) {
      const jsonResponse = await response.json();
      const venues = jsonResponse.response.groups[0].items.map(item => item.venue);
      return venues;
    }
  } catch (error) {
    console.log(error);
  }
};

const getForecast = async () => {
  const urlToFetch = `${weatherUrl}?q=${$input.val()}&APPID=${openWeatherKey}`;

  try {
    const response = await fetch(urlToFetch);
    if (response.ok) {
      const jsonResponse = await response.json();
      return jsonResponse;
    }
  } catch (error) {
    console.log(error);
  }
}

// Render functions
const renderVenues = (venues) => {
  $venueDivs.forEach((venue, index) => {
    // Add your code here:
    const venue = venues[index];
    const venueIcon = venue.categories[0].icon;
    const venueImgSrc = `${venueIcon.prefix}bg_64${venueIcon.suffix}`;

    let venueContent = createVenueHTML(venue.name, venue.location, venueImgSrc);
    $venue.append(venueContent);
  });
  $destination.append(`<h2>${venues[0].location.city}</h2>`);
}

const renderForecast = (day) => {
  // Add your code here:

  let weatherContent = createWeatherHTML(day);
  $weatherDiv.append(weatherContent);
}

const executeSearch = () => {
  $venueDivs.forEach(venue => venue.empty());
  $weatherDiv.empty();
  $destination.empty();
  $container.css("visibility", "visible");
  getVenues().then(venues => renderVenues(venues));
  getForecast().then(forecast => renderForecast(forecast));
  return false;
}

$submit.click(executeSearch)

```

```

const createVenueHTML = (name, location, iconSource) => {
  return `<h2>${name}</h2>
  
  <h3>Address:</h3>
  <p>${location.address}</p>
  <p>${location.city}</p>
  <p>${location.country}</p>`;
}

const createWeatherHTML = (currentDay) => {
  console.log(currentDay)
  return `<h2>${weekDays[(new Date()).getDay()]}</h2>
  <h2>Temperature: ${kelvinToFahrenheit(currentDay.main.temp)}&deg;F</h2>
  <h2>Condition: ${currentDay.weather[0].description}</h2>
  `;
}

const kelvinToFahrenheit = k => ((k - 273.15) * 9 / 5 + 32).toFixed(0);

```

```

<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Wanderlust</title>
    <link rel="stylesheet" type="text/css" href="public/reset.css" />
    <link rel="stylesheet" type="text/css" href="public/style.css" />
    <link href="https://fonts.googleapis.com/css?family=Montserrat" rel="stylesheet">
  </head>
  <body>
    <header>
      
    </header>
    <main>
      <h1>Where do you want to land?</h1>
      <form autocomplete="off">
        <input type="text" id="city">
        <button id="button" type="submit">Submit</button>
      </form>
    </main>
    <div class="container">
      <div id="destination">

    </div>
    <div class="sectiontitle">
      <h2>CURRENT WEATHER</h2>
    </div>
    <section id="weather">

      <div class="weather" id="weather1">

    </div>

    </section>
    <div class="sectiontitle">
      <h2>TOP ATTRACTIONS</h2>
    </div>
    <section id="venues">
      <div class="venue" id="venue1">

    </div>
      <div class="venue" id="venue2">

    </div>
      <div class="venue" id="venue3">

    </div>
    </section>
    <footer>
    </footer>

  </div>
  <script
  src="https://code.jquery.com/jquery-3.2.1.min.js"

```

```
integrity="sha256-hwg4gsxgFZh0sEEamd0YGBf13FyQuiTwlAQgxVSNgt4="
crossorigin="anonymous"></script>
<script src="public/helpers.js"></script>
<script src="public/main.js"></script>
</body>
</html>
```