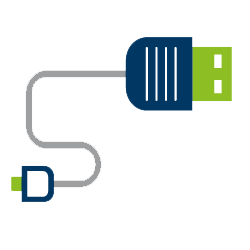
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Yelp Search – React Part 1

Yelp Search App – Static Components

For this project, you will build a yelp-like clone that will allow users to search businesses in the area based on name, ratings, and reviews. This is a longer project than we have created and will utilize the yelp API. This is the beginning of this 5part project that will complete our course.

Be sure to test each step before moving further. If you have trouble completing a task, take some time to research the concept using the react docs @ reactjs.org or reviewing CC Lessons.

* Project Setup – Creating a new react app
* Creating Static Components
* Passing Information to Components
* Setting the State of Components
* Interacting with the Yelp API

Here’s a quick overview of how your project should function:

* As a user, I should be able to search for restaurants
* As a user, I should be able to view a list of restaurants returned by the Yelp API
* As a user, I should be able to sort through restaurants using a filter
* The four projects will test your knowledge of JavaScript and React, all with the goal of building a Yelp-like clone.

**Creating a Business Component**

The purpose of the <Business /> component is to represent how a business (a restaurant) in your project will be formatted and styled. For now, we’ll hard code a single business listing. Later, you’ll update it dynamically using the Yelp API.

1. Open **Business.js** in your text editor.
2. Create a JavaScript object called business. Copy the following keys and values and add them to business:

imageSrc: 'https://s3.amazonaws.com/codecademy-content/programs/react/ravenous/pizza.jpg',

name: 'MarginOtto Pizzeria',

address: '1010 Paddington Way',

city: 'Flavortown',

state: 'NY',

zipCode: '10101',

category: 'Italian',

rating: 4.5,

reviewCount: 90

1. Import the react library (one line one)
2. Below the business object, create a React component called Business. The component should extend React.Component.
3. Inside of the .render() method, add a return statement with JSX that renders the HTML saved in business.txt (there will need to be some modification to render the JSX. When you write the HTML as JSX be sure to:

* Change all class attributes to className.
* Do not change the class values, as we will use them in the next step to add style to the business component.
* Replace the relevant information with references to properties in the business object (i.e. {business.thisProperty}).

1. At the bottom of the file (last line), export the Business component.

**Creating BusinessList.js & BusinessList.css**

1. Inside of **BusinessList** directory, create two files:
   * *BusinessList.js*
   * *BusinessList.css*
2. Add the following CSS to **BusinessList.css**:

.BusinessList {

display: flex;

justify-content: space-around;

flex-wrap: wrap;

margin: 4.4rem 10%;

}

1. Open **BusinessList.js**. At the top of the file, import the following (in this order):
   * The React library
   * BusinessList.css
2. The point of the <BusinessList /> component is to simulate what a returned list of businesses would look like in your project (after querying the Yelp API, for example). To help this simulation, <BusinessList /> will make use of the <Business /> component repeatedly. To use the <Business /> component, you’ll have to import it.
3. Use the React library to create a component called BusinessList.
4. Inside of the component, add a render() method.
5. Inside of the .render() method, add a return statement with JSX that renders the HTML in business-list.txt.
   * Change all class attributes to className.
   * Do not change the class values, as we will use them in the next step to add style to the business list component.
   * Replace each comment with a Business component.
6. At the bottom of the file, export BusinessList.

**Creating Search Bar**

1. Inside of the seachBar Component Folder – create two new files
   * SearchBar.js
   * SearchBar.css
2. At the top of the SearchBar.js file, import the react library and searchBar.css
3. The search bar will communicate with the Yelp API, but you’ll build the functionality to communicate with the API in a later project. Today, you’ll build part of the structure that’s needed to communicate with the Yelp API. Specifically, requests to the Yelp API must follow [formatting and naming conventions set by the API](https://www.yelp.com/developers/documentation/v3/business_search). For example, the search bar should allow users to search businesses by:

* Best Match
* Highest Rated
* Most Reviewed

To achieve this, you’ll create an object with keys and values that conform to what the API expects to receive (as shown in the documentation provided above). Let’s see what this looks like.

1. Create an object called sortByOptions with (3) keys: Best Match, Highest Rated, & Most Reviewed. These keys should be strings.
2. Next, set the values. Use [the documentation](https://www.yelp.com/developers/documentation/v3/business_search) to help you set the values of those keys. The sort by entry in the table of the “Parameters” section will be helpful. The values should be strings. See if you can find the keys before looking at the hint.
3. Use the React library to create a component called SearchBar. Don’t add a render() method just yet.

Be sure each of these pieces work correctly, Tuesday we’ll complete the SearchBar and make the components work together! Happy Coding!