

# Yelp Search App

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## Project Overview

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](https://reactjs.org) or reviewing CC Lessons.

- Project Setup - Using Create React App
- Creating Static Components
- Passing Information to Components
- Setting Component State
- Interacting with the Yelp API

## User Requirements

- 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
- This project will test your knowledge of JavaScript and React, all with the goal of building a Yelp-like clone

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## Creating a Business Component

1. Inside of `components/` directory, create a new folder called `Business`. cd into the `Business/` directory and create two files:

- `Business.js`
- `Business.css`

The purpose of the 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.

2. Open `Business.js`
3. Create a JavaScript object called `business` and add the following keys and values

```
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
```

4. At the top of the `Business.js` file, import the React Library
  5. Below the `business` object, create a react component called `business`. The component should extent `React.Component`
  6. Add a `.render()` method to the `Business` component
  7. 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}`).
  8. Open the `Business.css` and add the styles from the `business-styles.txt` project file
  9. Open the `Business.js` file and at the top of the page on (line 2) import the `Business.css` file.
  10. At the bottom of the file (last line), export the `Business` component.
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## Creating BusinessList.js & BusinessList.css

1. Inside of the `BusinessList` directory, create two new files
  - `BusinessList.js`
  - `BusinessList.css`
2. Add this CSS to the `BusinessList.css`

```
.BusinessList {
  display: flex;
  justify-content: space-around;
  flex-wrap: wrap;
  margin: 4.4rem 10%;
}
```

3. Open `BusinessList.js` and at the top of the file inport the following (in this order)
  - `The React Library`
  - `BusinessList.css`
4. 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.

5. Use the React library to create a component called `BusinessList`.
  6. Inside of the component, add a `render()` method.
  7. Inside of the `.render()` method, add a return statement with JSX that renders the HTML inside of the project file `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 `BusinessList` component.
    - Replace each comment with a Business component.
  8. At the bottom of the file, export `BusinessList`
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## Creating the SearchBar

1. Inside the `SearchBar` Component `folder` - create (2) 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 the [formatting and naming conventions set by the API](#). 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.

4. Create an object called `sortByOptions` with (3) keys: `Best Match`, `Highest Rated`, & `Most Reviewed`. These keys should be *strings*.
5. Next, set the values. Use the [documentation](#) 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.
6. Use the React library to create a component called `SearchBar`. Don't add a `render()` method yet.

Be sure each of these pieces work correctly. We will complete the `SearchBar` and make the components work together in our next meeting! Happy Coding!