Working with react-bootstrap-typeahead

- ➢ A React-based typeahead that relies on Bootstrap for styling and was originally inspired by Twitter's typeahead.js.
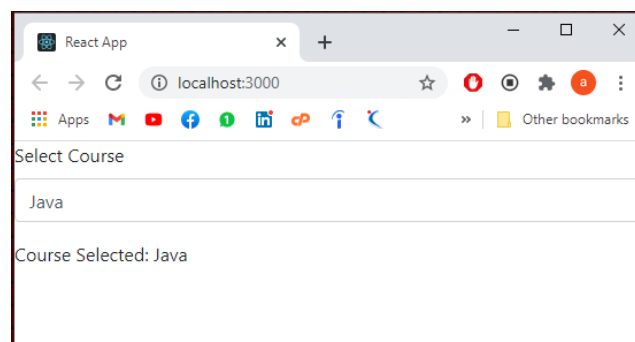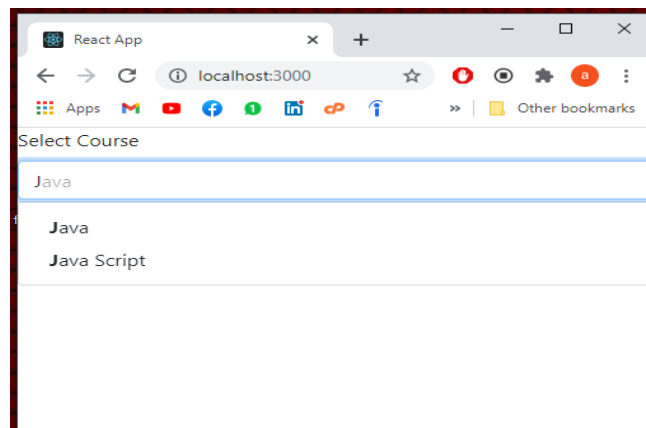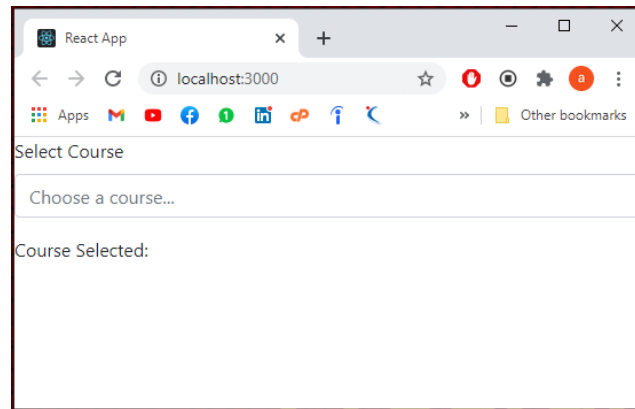- ➢ It supports both single- and multi-selection

Reference;

https://www.npmjs.com/package/react-bootstrap-typeahead

Examples:

http://ericgio.github.io/react-bootstrap-typeahead/

Installation;

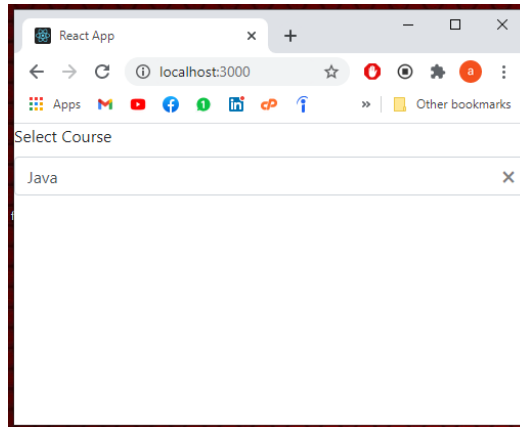npm install --save react-bootstrap-typeahead

USE CASE:

Example: Single Selection.

index.js

```
import React, { useState } from "react";
import ReactDOM from "react-dom";
import Form from "react-bootstrap/Form";
import { Typeahead } from "react-bootstrap-typeahead";
import "react-bootstrap-typeahead/css/Typeahead.css";

const App = () => {
  const [selected, setSelected] = useState([]);
  const options = ["Java", "Angular", "Java Script", "React"];
  return (
    <>
      <Form.Group>
        <Form.Label>Select Course</Form.Label>
        <Typeahead
          labelKey="name"
          onChange={setSelected}
          options={options}
          placeholder="Choose a course..."
          selected={selected}
        />
      </Form.Group>
      <div>Course Selected: {selected}</div>
    </>
  );
};

ReactDOM.render(<App />, document.getElementById("root"));
```
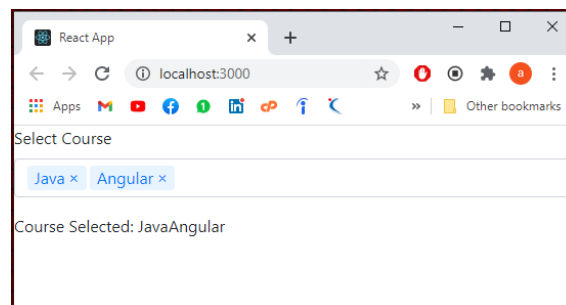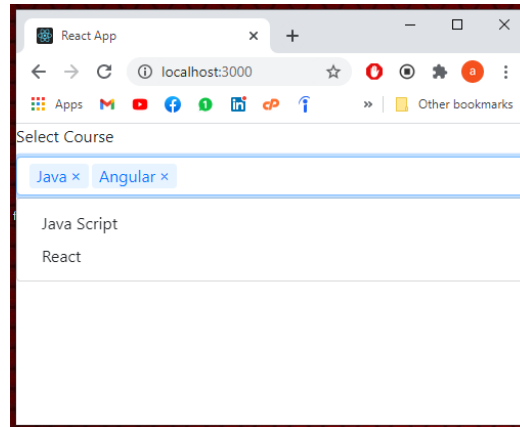
Example: Display Close icon.

index.js

```
import React, { useState } from "react";
import ReactDOM from "react-dom";
import Form from "react-bootstrap/Form";
import { Typeahead } from "react-bootstrap-typeahead";
import "react-bootstrap-typeahead/css/Typeahead.css";

const App = () => {
  const [selected, setSelected] = useState([]);
  const options = ["Java", "Angular", "Java Script", "React"];
  return (
    <>
      <Form.Group>
        <Form.Label>Select Course</Form.Label>
        <Typeahead
          labelKey="name"
          onChange={setSelected}
          options={options}
          placeholder="Choose a course..."
          selected={selected}
          clearButton
        />
      </Form.Group>
      <div>Course Selected: {selected}</div>
    </>
  );
};

ReactDOM.render(<App />, document.getElementById("root"));
```
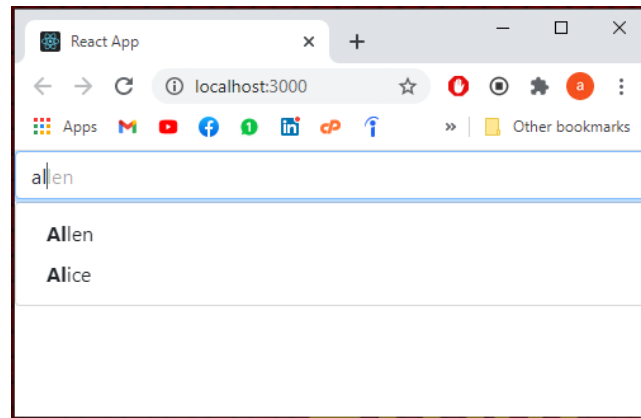
Example: Multi Selection

index.js

```jsx
import React, { useState } from "react";
import ReactDOM from "react-dom";
import Form from "react-bootstrap/Form";
import { Typeahead } from "react-bootstrap-typeahead";
import "react-bootstrap-typeahead/css/Typeahead.css";

const App = () => {
  const [selected, setSelected] = useState([]);
  const options = ["Java", "Angular", "Java Script", "React"];
  return (
    <>
      <Form.Group>
        <Form.Label>Select Course</Form.Label>
        <Typeahead
          labelKey="name"
          onChange={setSelected}
          options={options}
          placeholder="Choose a course..."
          selected={selected}
          multiple
        />
      </Form.Group>
      <div>Course Selected: {selected}</div>
    </>
  );
};
ReactDOM.render(<App />, document.getElementById("root"));
```

Example: Asynchronous Searching or Backend Database.

hello-app>json-server --watch db.json --port 4000

db.json

```json
{
  "employees": [
    {
      "id": 1,
      "name": "Scott",
      "salary": 4000
    },
    {
      "id": 2,
      "name": "Jones",
      "salary": 7500
    },
    {
      "id": 3,
      "name": "Allen",
      "salary": 5500
    },
    {
      "id": 4,
      "name": "Alice",
      "salary": 4000
    },
    {
      "id": 5,
      "name": "Smith",
      "salary": 7500
    }
  ]
}
```

index.js

```javascript
import React, { useState } from "react";
import ReactDOM from "react-dom";
import { AsyncTypeahead } from "react-bootstrap-typeahead";
import "react-bootstrap-typeahead/css/Typeahead.css";

const App = () => {
  const [isLoading, setIsLoading] = useState(false);
  const [options, setOptions] = useState([]);

  const handleSearch = (query) => {
    setIsLoading(true);
    fetch("http://localhost:4000/employees")
      .then((resp) => resp.json())
      .then((employees) => {
        setOptions(employees);
        setIsLoading(false);
      });
  };

  return (
    <AsyncTypeahead
      isLoading={isLoading}
      labelKey="name"
      onSearch={handleSearch}
      options={options}
      placeholder="Search for Employees"
    />
  );
};

ReactDOM.render(<App />, document.getElementById("root"));
```