

Student Name: Suyog Ashok Bhole.

PRN No. 200944281024

CCPP ID: PD0752

Email: bhole.suyog@gmail.com

Phone: 9403375364, 9890249990

Subject:- Documentation to use Search box to search an artist Application

Technology Used:- React Js.

Tried with following api.

<https://itunes.apple.com/search>

is <https://itunes.apple.com/search?term=#searchTerm>

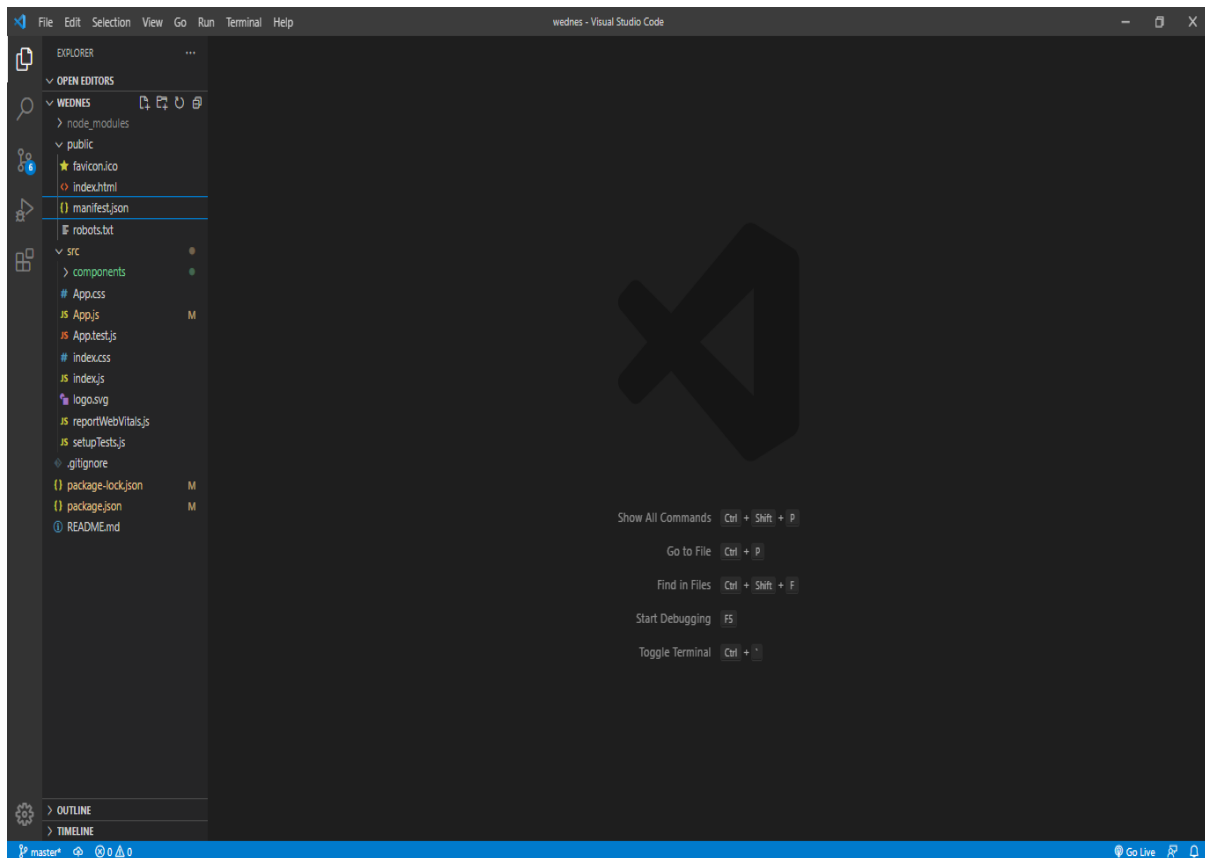
Coding Exercise

Q. Write an application using react that connects to the iTunes connect API to retrieve songs for a search term.

Step-1 → Follow following are the steps to use Search box to search an artist
Application please follow step by step.

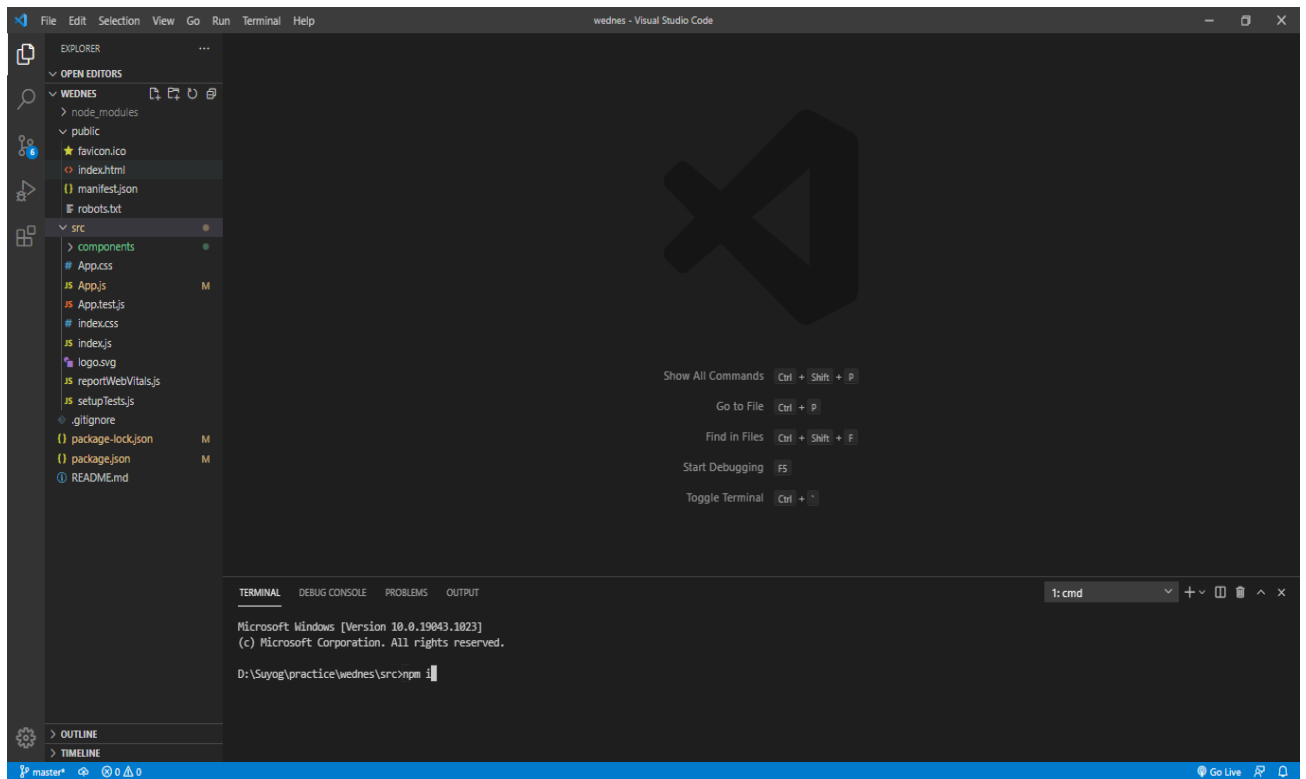
Step-2 → First extract the given file you can download it from given google drive link.

Step-3 → After that React Application Steps:- Start VS Code and click on File then click on open folder and then select path where you extracted the given file.

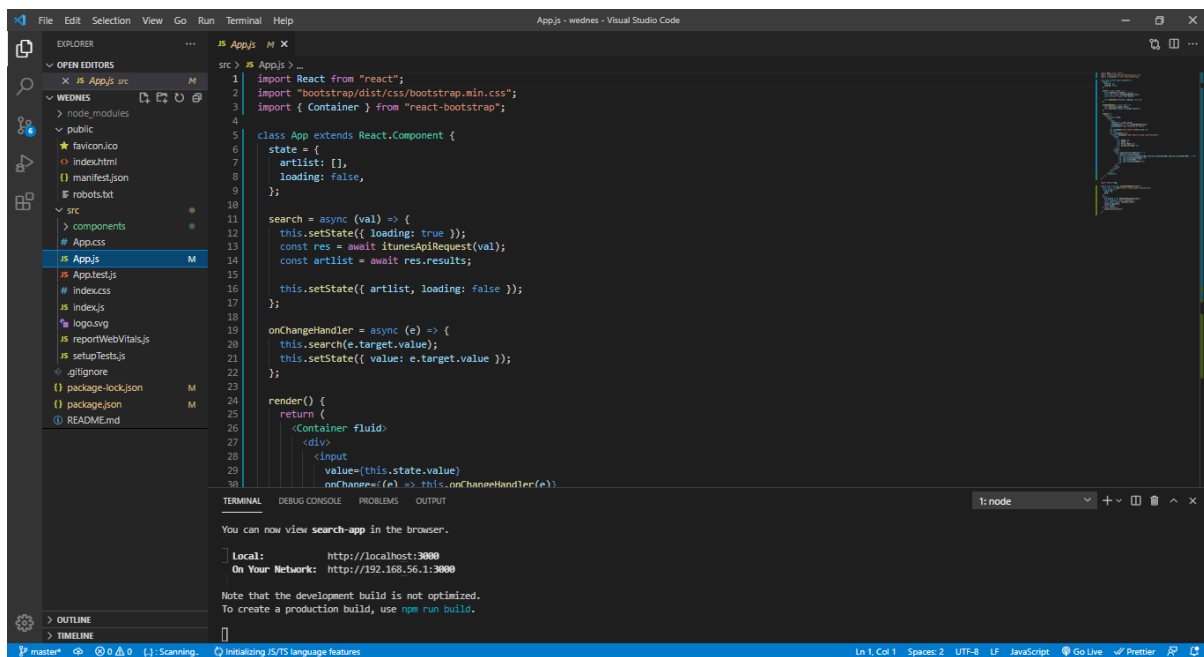


Then see Above Hierarchy for reference.

- Right click on left free space and open integrated terminal and check path of terminal.
- → `npm i`
- Put above command to install dependencies.



Step- 8 → npm start (to run the react application)



The screenshot shows the Visual Studio Code editor with the `App.js` file open. The file contains the following code:

```
1 import React from "react";
2 import "bootstrap/dist/css/bootstrap.min.css";
3 import { Container } from "react-bootstrap";
4
5 class App extends React.Component {
6   state = {
7     artist: [],
8     loading: false,
9   };
10
11   search = async (val) => {
12     this.setState({ loading: true });
13     const res = await itunesApiRequest(val);
14     const artist = await res.results;
15
16     this.setState({ artist, loading: false });
17   };
18
19   onChangeHandler = async (e) => {
20     this.search(e.target.value);
21     this.setState({ value: e.target.value });
22   };
23
24   render() {
25     return (
26       <Container fluid>
27         <div>
28           <input
29             value={this.state.value}
30             onChange={this.onChangeHandler} />
31         </div>
32       </Container>
33     );
34   }
35 }
```

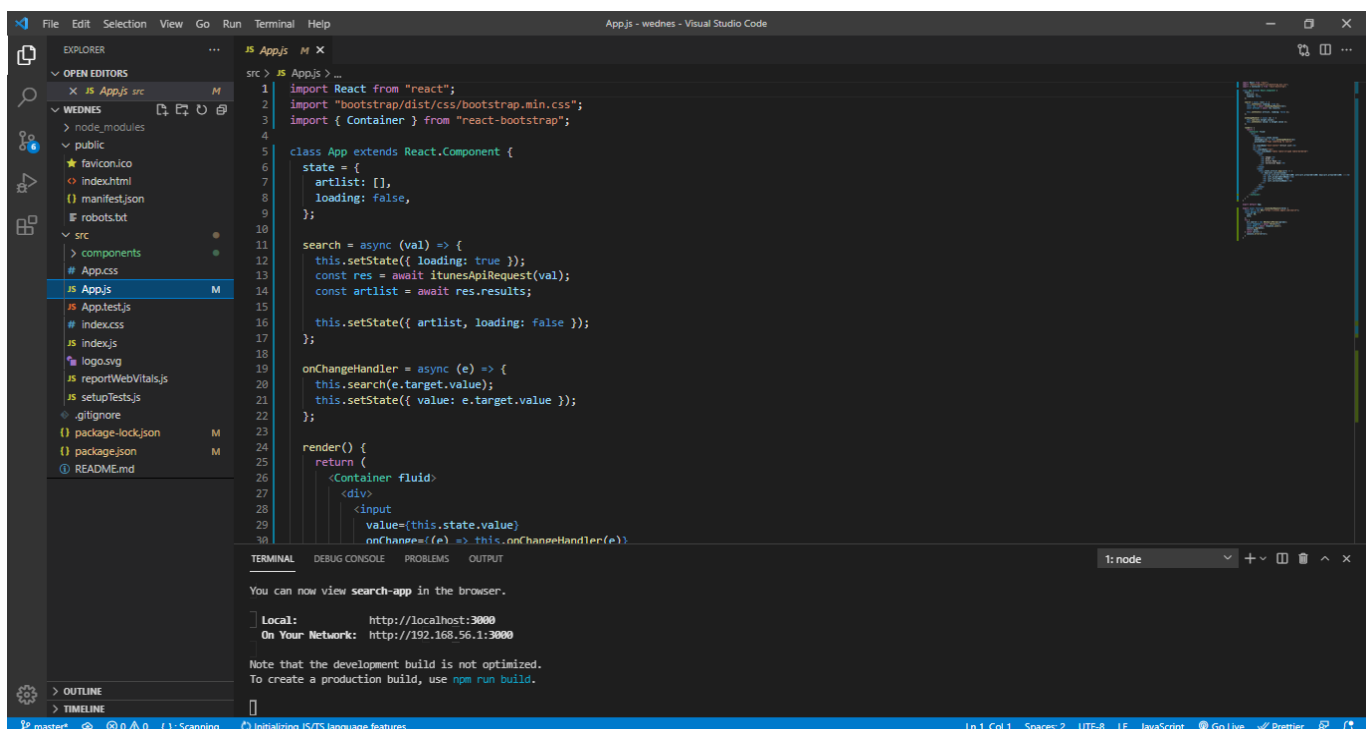
The terminal output shows the following messages:

```
You can now view search-app in the browser.
Local: http://localhost:3000
On Your Network: http://192.168.56.1:3000

Note that the development build is not optimized.
To create a production build, use npm run build.
```

Step- 9 → By using the given url you can open it on chrome browser

(<http://localhost:3000>)



This screenshot is identical to the one above, showing the Visual Studio Code editor with the `App.js` file and the terminal output after running `npm start`.

Screens on UI






1. User can Search here.

React App

localhost:3000

alan

Artist List

Image	Kind	Artist Name	Collection Name
	Drama	Francis Ford Coppola	The Godfather Trilogy
	Comedy	The Daily Show With Trevor Noah	The Daily Show with Trevor Noah
	Comedy	The Daily Show With Trevor Noah	The Daily Show with Trevor Noah
	Hip-Hop/Rap	Dr. Dre	2001
	Soul	The Delfonics	La-La Means I Love You (Remastered)

Thank You...