**Project Setup**

1. Create new react app

-npx create-react-app contact-manager

1. To install bootstrap

-npm install bootstrap

1. To install fontawesome / fortawesome icons

**-**visit: fortawesome npm

npm i @fortawesome/fontawesome-free

1. To Connect fortawesome with html page

-visit : ajax fontawesome cdn link

1. copy cdn link tag and paste in index.html head section

1. To install react-router-dom

-npm install react-router-dom

1. To install axios

-npm install axios

1. Folder Structure

SRC

ViewControl

EditContact

AddContact

ContactList

Contacts

NavBar

Services

Components

**Services.jsx**

**ContactList.jsx**

**EditContact.jsx**

**ViewControl.jsx**

**AddContact.jsx**

**ContactList.jsx**

**Backend Setup**

1. **JSON SERVER SETUP**
   1. Create a new folder name as server
   2. Create a file for json database

Ex. db.json

* 1. Create a API
  2. To install package.json file in same direct**ory**

**Command: npm init –yes**

* 1. To install json-server

Command: **npm install json-server**

1. **API Testing**
   1. **Get All Contacts**

**Get()**

[**http://localhost:8000/contacts**](http://localhost:8000/contacts)

* 1. **Get A Single Contact**

**Get()**

[**http://localhost:8000/contacts/id**](http://localhost:8000/contacts/id)

* 1. **Post Contact**

**Post()**

[**http://localhost:8000/contacts**](http://localhost:8000/contacts)

* 1. **Delete A Single Contact**

**delete**

[**http://localhost:8000/contacts/id**](http://localhost:8000/contacts/id)

1. **ContactServices**

**import axios from "axios";**

**export class ContactServices{**

**static serverURL = 'http:/localhost:8000';**

**static getAllContacts(){**

**let dataURL = `${this.serverURL/contacts}`;**

**return axios.get(dataURL)**

**}**

**}**