React JS Project

Wednesday, May 12, 2021 6:52 PM

React Project Problem Statement

Event Management

Description

Build a React app where users can view and promote upcoming events.

Background of the problem statement:

You are a web developer at a company called FindMyMovies. The company has decided to launch a new app called FindMyEvents where users can view and add upcoming events in their region. backend development has been outsourced and frontend will be developed in-house. During sprint planning, you agree to lead this project and develop an app that will let users find events using APIs that backend engineers will provide. The tasks you are responsible for:

- Building the application in React
- Setting up a JSON server for testing until backend APIs are ready
- Managing the state using React State Management

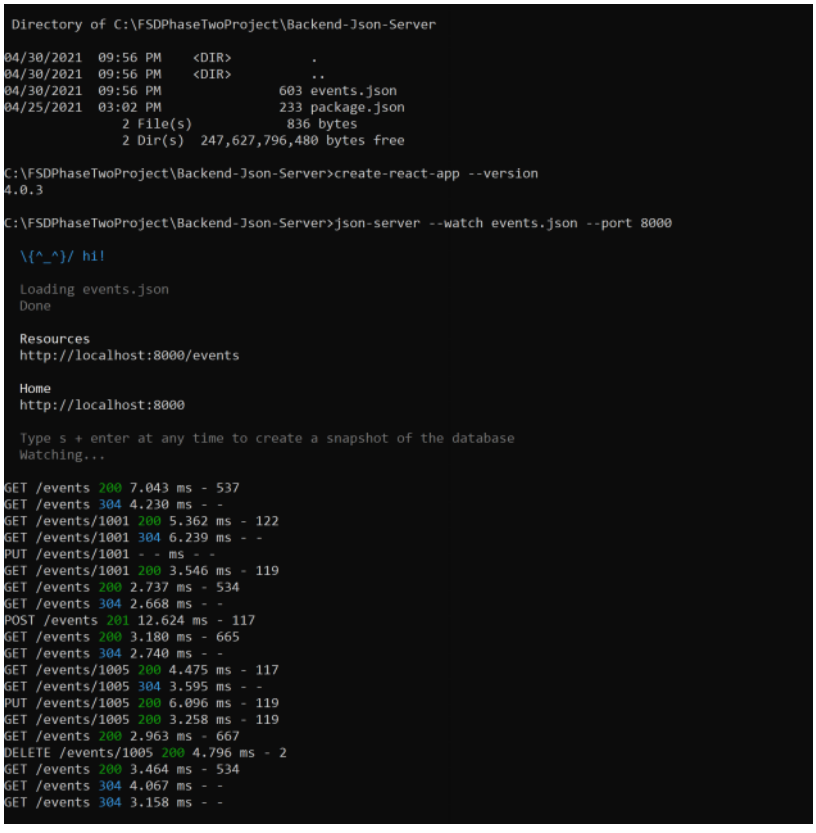
Recommended technologies:

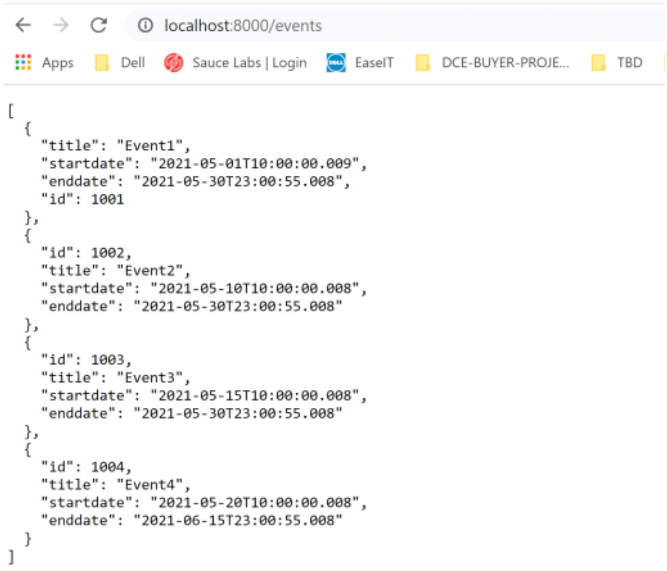
- React: To build the application
- React State Management: To manage the state of components in the application
- JSON Server: To build a placeholder backend for app development and testing
- React Router: To navigate within the app using URL links

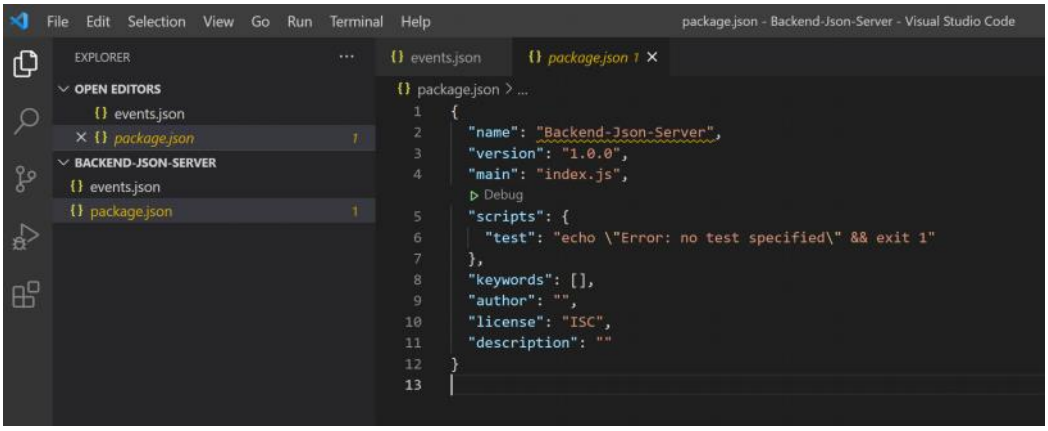
Solution:

JSON Server:

1) Install JSON sever using: **npm install -g json-server**
2) Add event event.json file to Backend-Json-Sever folder
3) Open Backend-Json-Sever folder using VSCode and run command **'npm init--yes'** in terminal
4) Load even.json using the below commands:
    - json-server -v
    - json-server --watch events.json --port 8000

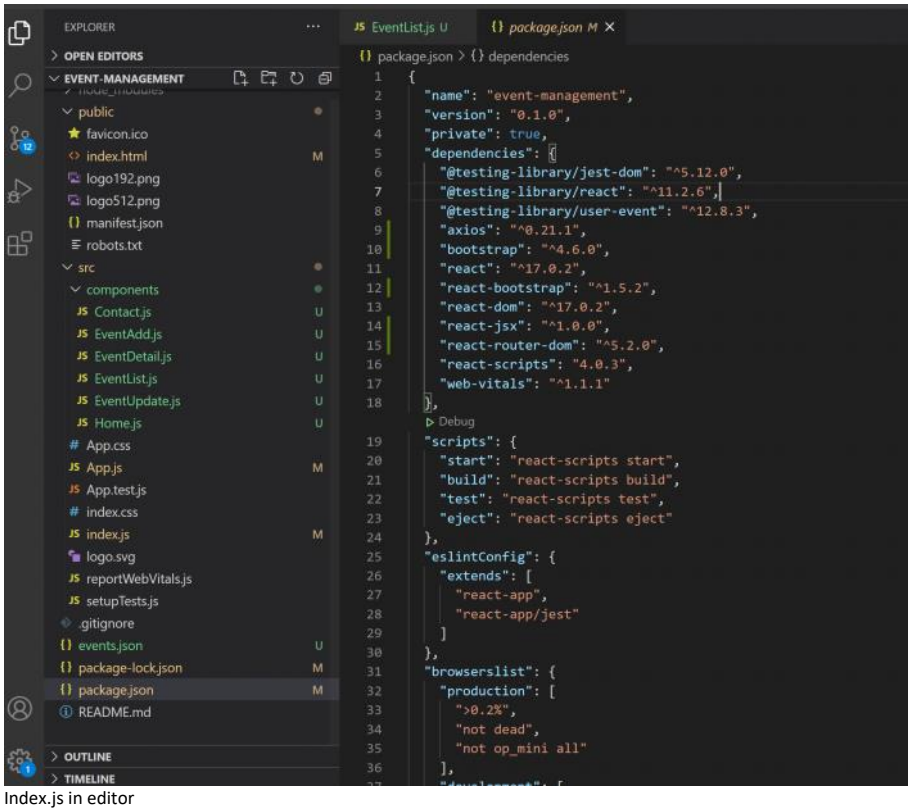




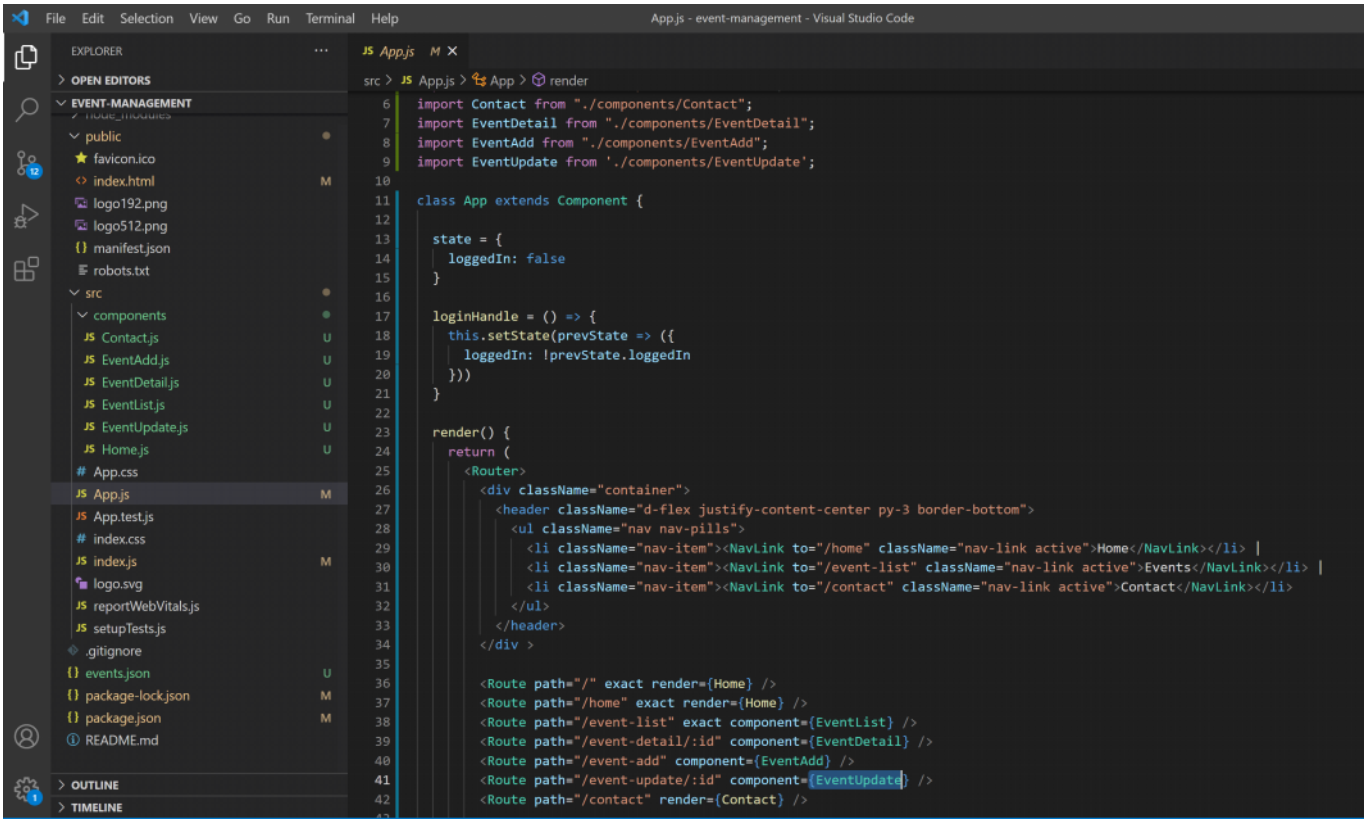


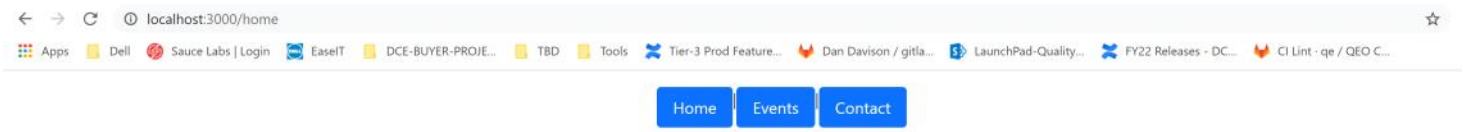
Create Event Management React JS Application:

1) Create React JS Application using below commands:
   - npm install create-react-app --global
   - create-react-app --version
   - create-react-app event-management
2) Install all the package dependencies



3) Open Index.js in editor
   a. Import React and ReactDOM
   b. Update ReactDOM.render() : document.getElementById('root')
4) Add Bootstrap components to index.html
5) Create Components under src -> components folder : Home Contact, EventList, EvenDetail, EventAdd and EventUpdate
6) Open App.js and import all the component and create Routers
7) Configure NavLink for these Routers
8) User axios for get,put,push and delete operations





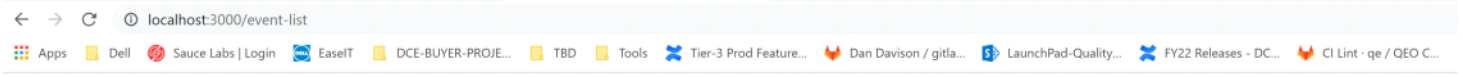
Home | Events | Contact

Home Page

Welcome to Event ManagementEvent Management allows users to create, read, update and delete Events and Event Types

The quick, brown fox jumps over a lazy dog. DJs flock by when MTV ax quiz prog. Junk MTV quiz graced by fox whelps. Bawds jog, flick quartz, vex nymphs. Waltz, bad nymph, for quick jigs vex! Fox nymphs grab quick-jived waltz. Brick quiz whangs jumpy veldt fox. Bright vixens jump; dozy fowl quack. Quick wafting zephyrs vex bold Jim. Quick zephyrs blow, vexing daft Jim. Sex-charged fop blew my junk TV quiz. How quickly daft jumping zebras vex. Two driven jocks help fax my big quiz. Quick, Baz, get my woven flax jodhpurs! "Now fax quiz Jack!" my brave ghost pled. Five quacking zephyrs jolt my wax bed. Flummoxed by job, kvetching W. zaps Iraq. Cozy sphinx waves quart jug of bad milk. A very bad quack might jinx zippy fowls. Few quips galvanized the mock jury box. Quick brown dogs jump over the lazy fox. The jay, pig, fox, zebra, and my wolves quack! Blowzy red vixens fight for a quick jump. Joaquin Phoenix was gazed by MTV for luck. A wizard's job is to vex chumps quickly in fog. Watch "Jeopardy!", Alex Trebek's fun TV quiz game. Woven silk pyjamas exchanged for blue quartz. Brawny gods just

Read More



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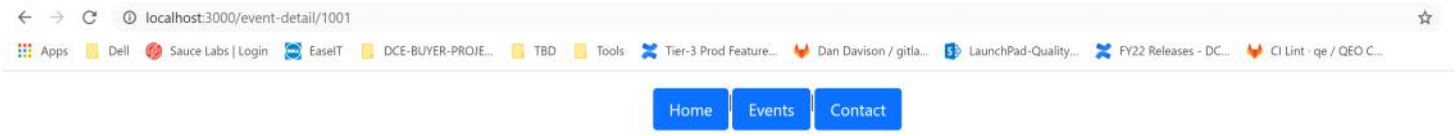
Add New Event

Event List

Id	Title	Start Date	End Date	Actions
1001	Event1	2021-05-01T10:00:00.009	2021-05-30T23:00:55.008	View Detail | Delete
1002	Event2	2021-05-10T10:00:00.008	2021-05-30T23:00:55.008	View Detail | Delete
1003	Event3	2021-05-15T10:00:00.008	2021-05-30T23:00:55.008	View Detail | Delete
1004	Event4	2021-05-20T10:00:00.008	2021-06-15T23:00:55.008	View Detail | Delete



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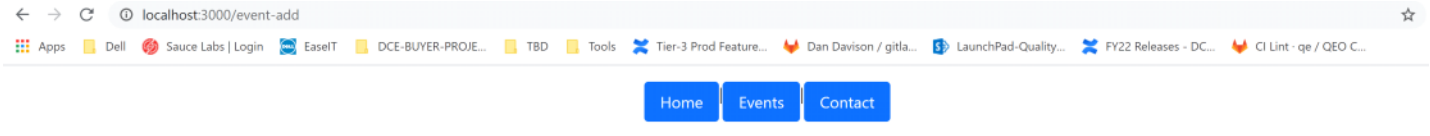
Event Detail

Details of
Event Id: 1001
Event Title: Event1
Event Start Date: 2021-05-01T10:00:00.009
Event End Date: 2021-05-30T23:00:55.008
Delete | Update | Back



Home | Events | Contact

Add New Event

Event Title

Event5

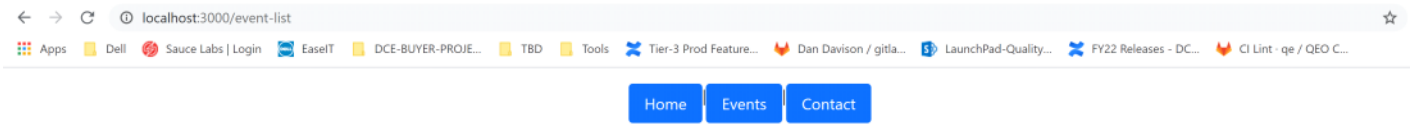
Event Start Date

2021-05-15T10:00:00.009

Event End Date

2021-08-30T10:00:00.008

Add Event



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1003	Event3	2021-05-15T10:00:00.008	2021-05-30T23:00:55.008	View Detail | Delete
1004	Event4	2021-05-20T10:00:00.008	2021-06-15T23:00:55.008	View Detail | Delete
1005	Event5	2021-05-15T10:00:00.009	2021-08-30T10:00:00.008	View Detail | Delete

Update Event

Event Title

Event511

Event Start Date

2021-05-15T10:00:00.009

Event End Date

2021-08-30T10:00:00.008

Update

Update Event

Event Title

Event511

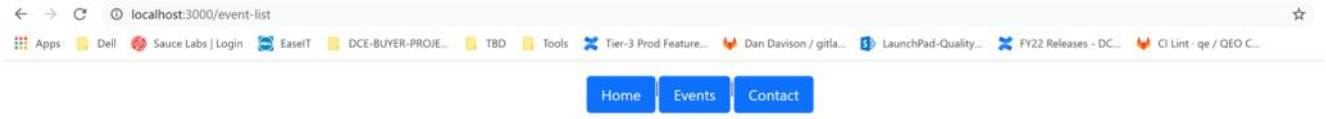
Event Start Date

2021-05-15T10:00:00.009

Event End Date

2021-08-30T10:00:00.008

Update



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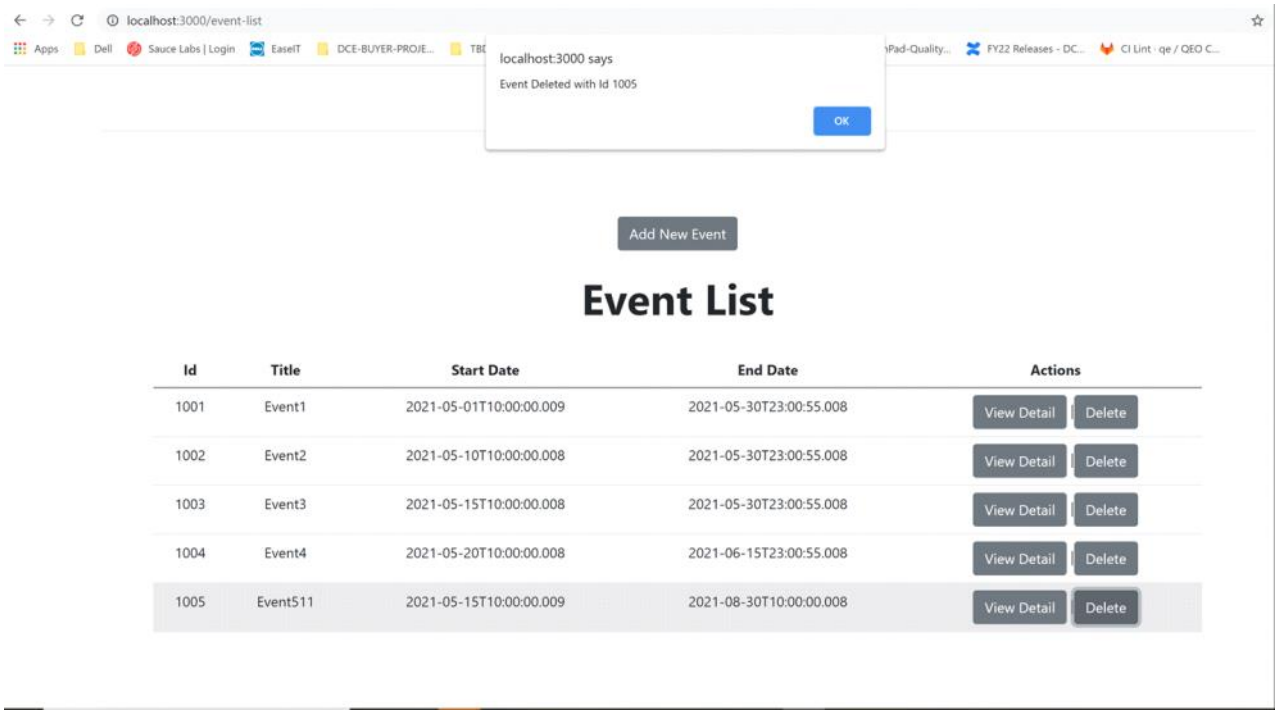
1004	Event4	2021-05-20T10:00:00.008	2021-06-15T23:00:55.008	View Detail | Delete
1005	Event511	2021-05-15T10:00:00.009	2021-08-30T10:00:00.008	View Detail | Delete


localhost:3000/event-list
localhost:3000 says
Event Deleted with Id 1005
OK
Add New Event
Event List
Id
Title
Start Date
End Date
Actions
1001
Event1
2021-05-01T10:00:00.009
2021-05-30T23:00:55.008
View Detail
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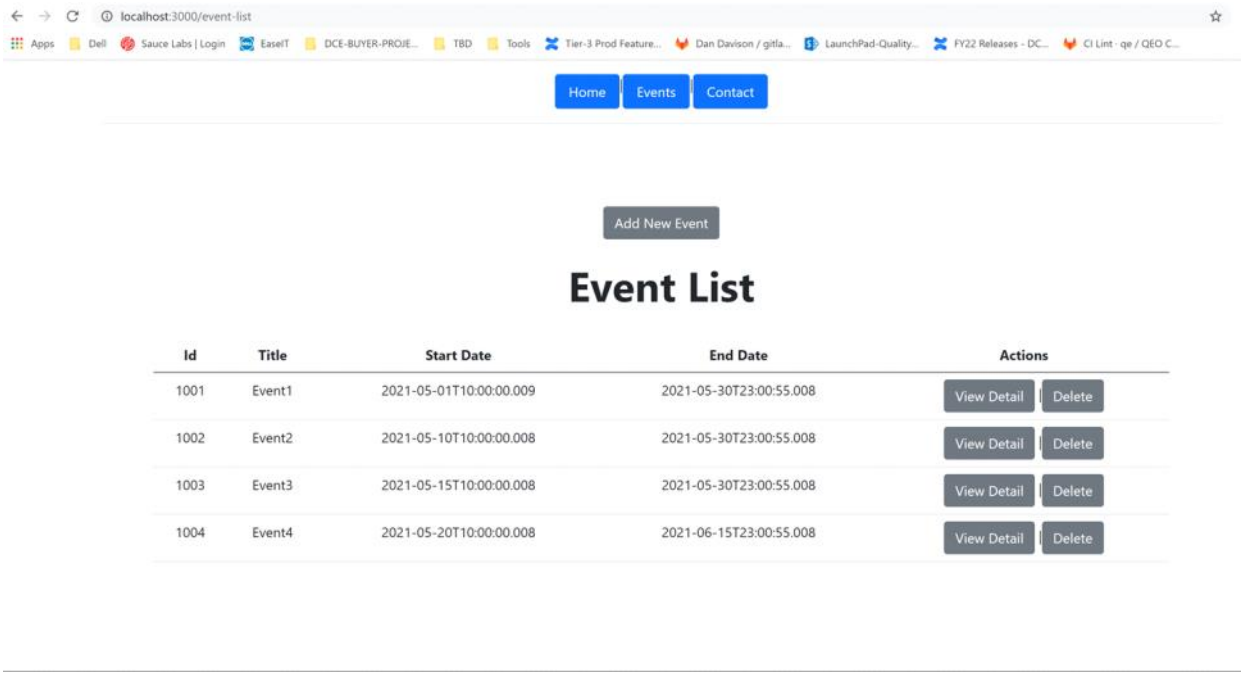
Delete
1005
Event511
2021-05-15T10:00:00.009
2021-08-30T10:00:00.008
View Detail
Delete


localhost:3000/event-list
Home
Events
Contact
Add New Event
Event List
Id
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1001
Event1
2021-05-01T10:00:00.009
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2021-05-30T23:00:55.008
View Detail
Delete
1004
Event4
2021-05-20T10:00:00.008
2021-06-15T23:00:55.008
View Detail
Delete