React\_CRUD\_Firebase Drop X Out

Create a folder React\_CRUD\_Firebase andopen it in VSCode Terminal

Google-firebase-create account and project **named** react-crud-firebase

> cd react-crud-firebase

> npm start

Delete some file like

App.css

App.test.js

Logo.svg

Reportwebvitals.js

setupTests.js

App.js code should look like that

import React from 'react'

function App() {

  return (

    <div>

    </div>

  );

}

export default App;

index.js code should e like that

import React from 'react';

import ReactDOM from 'react-dom/client';

import './index.css';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(

  <React.StrictMode>

    <App />

  </React.StrictMode>

);

In Firebase project – Build – Firestore Database- create collection – document-add fields as name age etc.

Project overview-web(</>) – Register App – Appnickname – react-crud-app check Also set up – Register App- copy npm install firebase and paste in terminal of react project.

Copy config file and go to src and create firebase-config.js and paste here.

Go back to firebase – Next – Install firebase CLI – copy npm install -g firebase-tools and paste in terminal to install it.

Go back to firebase – Next – continue to console. Open again your Build – Firestore Database- docs.

In docs – Build – firestore – get started – Set up your development Enviournment – copy one line highlited and paste in file.

// Import the functions you need from the SDKs you need

import { initializeApp } from "firebase/app";

import {getFirestore} from "firebase/firestore";

// import { getAnalytics } from "firebase/analytics";

// TODO: Add SDKs for Firebase products that you want to use

// https://firebase.google.com/docs/web/setup#available-libraries

// Your web app's Firebase configuration

// For Firebase JS SDK v7.20.0 and later, measurementId is optional

const firebaseConfig = {

  apiKey: "AIzaSyCpyga3VndJvNPxhs3b16DubXNsNov4u84",

  authDomain: "react-crud-firebase-ffc5e.firebaseapp.com",

  projectId: "react-crud-firebase-ffc5e",

  storageBucket: "react-crud-firebase-ffc5e.appspot.com",

  messagingSenderId: "992242963709",

  appId: "1:992242963709:web:eeefa61756987050109a94",

  measurementId: "G-WVWTPSN1QR"

};

// Initialize Firebase

const app = initializeApp(firebaseConfig);

// const analytics = getAnalytics(app);

export const db = getFirestore(app);

now go to App.js and import it

import { db } from './firebase-config';

import React, { useEffect, useState } from 'react'

import { db } from './firebase-config';

import { collection, getDocs } from "firebase/firestore";

import { addDoc } from 'firebase/firestore';

function App() {

  const [users, setUsers] = useState([]);

  const [name, setName] = useState("");

  const [age, setAge] = useState(0);

  const usersCollectionRef = collection(db, "crud");

  const createUser = async () => {

    await addDoc(usersCollectionRef, {

      name: name,

      age: age

    });

  }

  useEffect(()=>{

    const getUsers = async () => {

      const data = await getDocs(usersCollectionRef);

      //---------------------------------------------------

      console.log(data);

      const docsRef = data.docs.map((doc)=>({

        ...doc.data(),

        id: doc.id

      }))

      console.log(docsRef);

      // ------------------------------------------------------ or below line

      // console.log(data.docs.map((doc)=>doc.data()));

      // -----------------------------------------------------------------

      setUsers(docsRef);

    }

    getUsers();

  },[])

  return (

    <div>

      <input type='text' placeholder='Enter Name Here' value={name} onChange={(e)=>setName(e.target.value)} /><br/>

      <input type='number' placeholder='Enter Age Here' value={age} onChange={(e)=>setAge(e.target.value)}  /><br/> /><br/>

      <button onClick={createUser} >Add User</button>

      {users.map((users)=>{

        return<div>

          <h1>Name : {users.name}</h1>

        <h1>Age : {users.age}</h1>

          </div>

      })}

    </div>

  );

}

export default App;

Updation data

import React, { useEffect, useState } from 'react'

import { db } from './firebase-config';

import { collection, doc, getDocs } from "firebase/firestore";

import { addDoc } from 'firebase/firestore';

import { updateDoc } from 'firebase/firestore';

import { deleteDoc } from 'firebase/firestore';

function App() {

  const [users, setUsers] = useState([]);

  const [name, setName] = useState("");

  const [age, setAge] = useState(0);

  const usersCollectionRef = collection(db, "crud");

  const updateAge = async (id, age) => {

    // console.log(id, age)

    const usersDoc = doc(db, "crud", id );

    const newAge = {age:age+5};

   await updateDoc(usersDoc, newAge)

  }

  const createUser = async () => {

    await addDoc(usersCollectionRef, {

      name: name,

      age: age

    });

  }

  const deleteUser = async (id) => {

    // await deleteDoc(doc(db, "crud", id)); or below line

    const usersDoc = doc(db, "crud", id );

    await deleteDoc(usersDoc);

  }

  useEffect(()=>{

    const getUsers = async () => {

      const data = await getDocs(usersCollectionRef);

      //---------------------------------------------------

      console.log(data);

      const docsRef = data.docs.map((doc)=>({

        ...doc.data(),

        id: doc.id

      }))

      console.log(docsRef);

      // ------------------------------------------------------ or below line

      // console.log(data.docs.map((doc)=>doc.data()));

      // -----------------------------------------------------------------

      setUsers(docsRef);

    }

    getUsers();

  },[])

  return (

    <div>

      <input type='text' placeholder='Enter Name Here' value={name} onChange={(e)=>setName(e.target.value)} /><br/>

      <input type='number' placeholder='Enter Age Here' value={age} onChange={(e)=>setAge(e.target.value)}  /><br/>

      <button onClick={createUser} >Add User</button>

      {users.map((users)=>{

        return<div>

          <h1>Name : {users.name}</h1>

        <h1>Age : {users.age}</h1>

        <button onClick={()=> updateAge(users.id, users.age)} >Update Age</button>

        <button onClick={()=> deleteUser(users.id)} >Delete</button>

          </div>

      })}

    </div>

  );

}

export default App;