--CODING INTERVIEW SOLUTION --

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TECHNOLIGIES USED: **REACT(FRONTEND) AND FIREBASE(DATABSE)**

CODE:

```javascript
import './App.css';
import {db} from './Firebase'
import {collection,getDocs,setDoc,doc,getDoc} from 'firebase/firestore'

function App() {
  //databse refs
  const usercollectionref = doc(db,'users','asfar')
  const userpostsref = doc(db,'users','asfar','posts','post1')
  const userpostcollectionref=collection(db,'users','asfar','posts')

//add user
  const adduser=()=>{
  setDoc(usercollectionref,{name:'asfar',college:'vit university'})
  }

//get user using id
const getdocs=async()=>{
  let getdocdata= await getDoc(usercollectionref)
  console.log(getdocdata.data())
 }
//create posts sub collection under user and add a post

const createpost=async()=>{
  setDoc(userpostsref,{postno:'1',postMessage:'hey creating post'})
}
//get post using id
const getdocwithid=async()=>{
  let usedata =await getDoc(userpostsref)
  console.log(usedata.data())
}

//get all posts from user
const getallposts=async()=>{
 let alldocs= await getDocs(userpostcollectionref)
alldocs.docs.forEach((doc)=>{
```
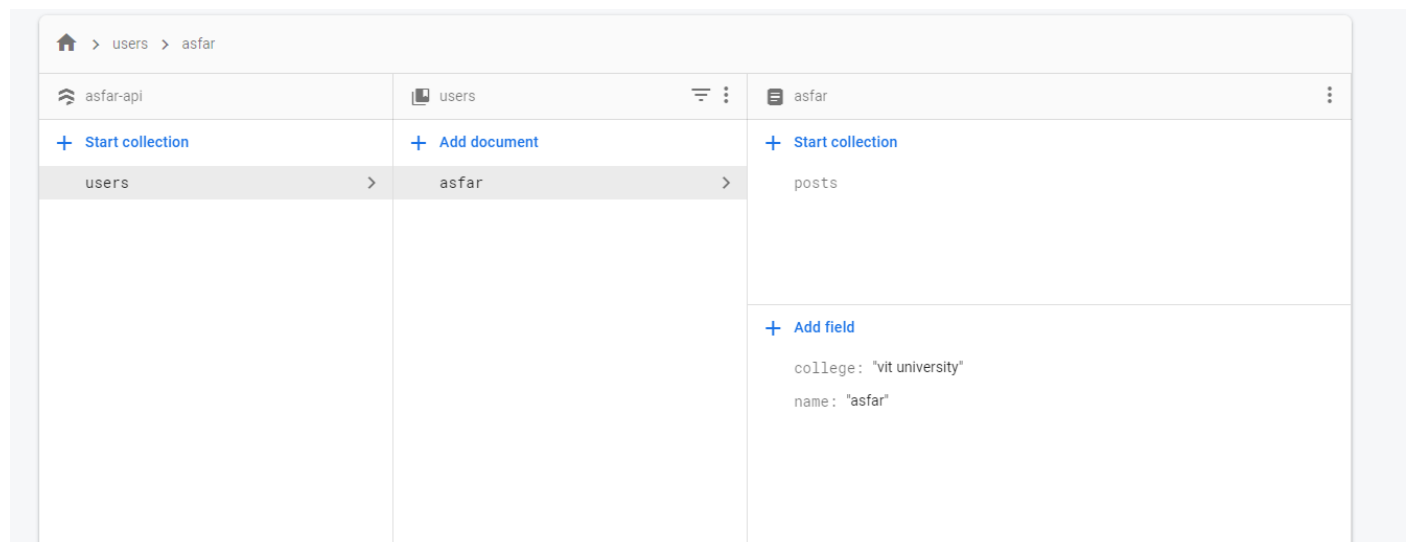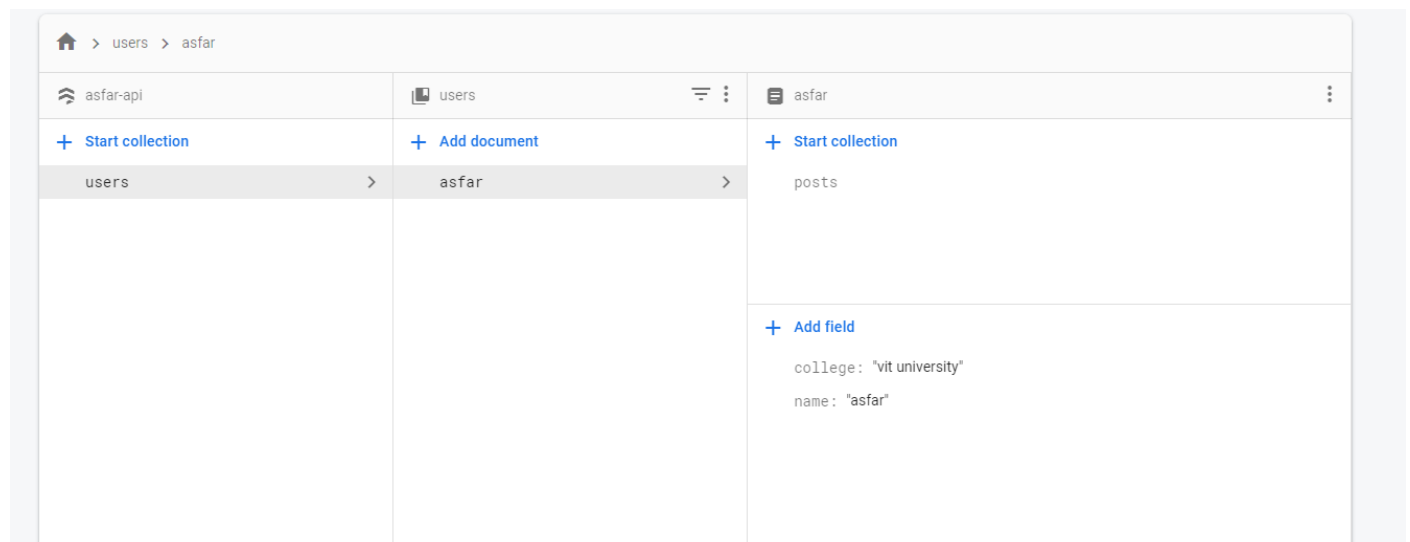
```
    console.log(doc.data())
})
}


  return (
    <div className="App" style={{display:'flex',flexDirection:'column'}}>
 <button onClick={adduser}>ADD USER</button>
 <button onClick={getdocs}>GET DOC USING ID</button>
 <button onClick={createpost}>ADDPOST</button>
 <button onClick={getdocwithid}>GET DOC USING ID</button>
 <button onClick={getallposts}>GET ALL POSTS OF USER</button>
    </div>
  );
}

export default App;
```

OUTPUT:

🏠 > users > asfar > posts

users ≡ ⋮

+ **Add document**

asfar >

---

asfar ⋮

+ **Start collection**

posts >

+ **Add field**

college: "vit university"

name: "asfar"

---

posts ≡ ⋮

+ **Add document**

post1

🏠 > users > asfar > posts > post1 ✏️

asfar ⋮

+ **Start collection**

posts >

+ **Add field**

college: "vit university"

name: "asfar"

---

posts ≡ ⋮

+ **Add document**

post1 >

---

post1 ⋮

+ **Start collection**

+ **Add field**

postMessage: "hey creating post"

postno: "1"

---THE END---