

2.Register User & save user to firestore

Ab ham sign-up functionality add karen gy or user ko sign up karen gy firebase se !

We can read firebase docs also if we need any help from them, Auth me web me milay gi.

Hamen firebase se 3 function need hongy :

1. `getAuth` is se hame auth object milay ga
2. `createUser` ka function jo hamse 3 cheez lega , auth object, email , password or ye hamen `userCredential` ka object dega usme user ki id or degar info hogi
3. `updateProfile`

Ham use ko register bhi karen gy or db me store bhi karen gy ta k specific user ko specific listings k sath connect kia ja sky !

So in the code we will use try catch syntax:

```
SignIn.jsx M  SignUp.jsx M x  index.css
src > pages > SignUp.jsx > ...
1 import { useState } from 'react';
2 import { Link, useNavigate } from 'react-router-dom';
3 import { getAuth, createUserWithEmailAndPassword, updateProfile } from 'firebase/auth';
4
const onSubmit = async(e) => {
  e.preventDefault()
  try {
    const auth = getAuth()
    const userCredential = await createUserWithEmailAndPassword(auth, email, password)
    const user = userCredential.user
    updateProfile(auth.currentUser, {
      displayName: name
    })
    navigate('/')
  } catch (error) {
    console.log(error);
  }
}
```

`updateProfile` me ham current user pass krty hen jo k **`auth.currentUser`** se mil jaye ga or 2nd argument me ham ek object pass krty hen jo hamne modify krna ho !

user jo hamen mila ha wo hamen db me bhi add krna hoga !

3. Save User To Firestore

ab ham user ko firestore me add kren gy , firebase docs k **cloud firestore** k section me ham uski docs read kr skty hen !

```
import { doc, setDoc } from "firebase/firestore";

// Add a new document in collection "cities"
await setDoc(doc(db, "cities", "LA"), {
  name: "Los Angeles",
  state: "CA",
  country: "USA"
});
```

Doc n setDoc import kreny , setDoc ko call krengy to set a doc , **cities** ek collection ha hamen **users** ki banai ha , **LA** ek id ha jo hmaray case me **userId** hogi , or object me wo fields hogi jo ham add krna chaty hen !

Ham formData ki ek copy banayen gy , or usme se password field delete krdengy , or timestamp add krengy ,

setDoc jo ha **doc** leta ha or doc **db** leta ha (jo hamne config me initialize kia tha) , or doc name of collection lega , or ek object lega jo hamne wahan set krna ha

```
await setDoc(doc(db, 'users', user.uid), formDataCopy)
```

Users collection me ek document banao jiski id **user.uid** (jo user hamne upper se lia) or usme formDataCopy ko set krdo jo k ek object ha !

```
const onSubmit= async(e)⇒{
  e.preventDefault()
  try {
    const auth= getAuth()
    const userCredential= await createUserWithEmailAndPassword(auth, email, password)
    const user= userCredential.user
    updateProfile(auth.currentUser,{
      displayName: name
    })

    const formDataCopy= {...formData}
    delete formDataCopy.password
    formDataCopy.timestamp= serverTimestamp
    await setDoc(doc(db, 'users' , user.uid),formDataCopy)

    navigate('/')
  }
}
```

listings	hgx2tsb1AkRkFznzEpRcxEYyxc2 >	+ Add field
users >	email: "john@gmail.com"	