

# Signing Out

So far, we can create users which also simultaneously signs us in, but we need to give our users a way to sign out. In this lesson, we add that feature to our app.

## WE'LL COVER THE FOLLOWING

- Sign Out Button HTML
- Create the `signOut` function
- Invoke the `signOut` function inside the authentication actions listener
  - The Authentication Boilerplate Application

## Sign Out Button HTML #

We add the HTML for the sign-out button inside the dashboard. That way the button is only shown to signed-in users.

```
<div id="account">
  <h1>Account</h1>
  <button class="auth" auth="sign-out">sign out</button>
</div>
```

HTML

## Create the `signOut` function #

We make a custom function for signing out and inside that, we invoke the `signOut` method of Firebase. Lastly, we call the `hideAuthElements` function that we created in a previous lesson.

```
// Invoked when user wants to sign out
signOut = () => {
  auth.signOut();
  hideAuthElements();
};
```

# Invoke the **signOut** function inside the authentication actions listener #

We just created a custom sign out function. We now need to invoke that from the authentication actions listener when the auth element has the attribute of **sign-out** attached to it is clicked.

```
// Loop through elements and use the associated auth attribute to determine what action to take
authAction.forEach(eachItem => {
  eachItem.addEventListener('click', event => {
    let chosen = event.target.getAttribute('auth')
    if (chosen === 'show-create-user-form') {
      showCreateUserForm()
    }
    else if (chosen === 'show-sign-in-form') {
      showSignInForm()
    }
    else if (chosen === 'show-forgot-password-form') {
      showForgotPasswordForm()
    }
    else if (chosen === `sign-out`){
      signOut();
    }
  })
})
```

JavaScript

Users can now sign out with the **Sign Out** button that is visible on their dashboard if they are signed in.

## The Authentication Boilerplate Application #

Go ahead and sign the current user out with this new functionality. You will see the dashboard go away and the home page reappears.

This code requires the following keys to execute:



Key:	Value:
apiKey	Not Specified...
authDomain	Not Specified...
databaseURL	Not Specified...
projectId	Not Specified...

storageBucket	Not Specified...
messagingSenderId	Not Specified...
appId	Not Specified...

Output

JavaScript

HTML

CSS (SCSS)

# Authentication Boilerplate

Sign In

Create User

Console

Clear

In the next lesson, I cover how users that have already created accounts can sign in.

