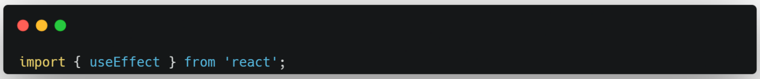
Announcement

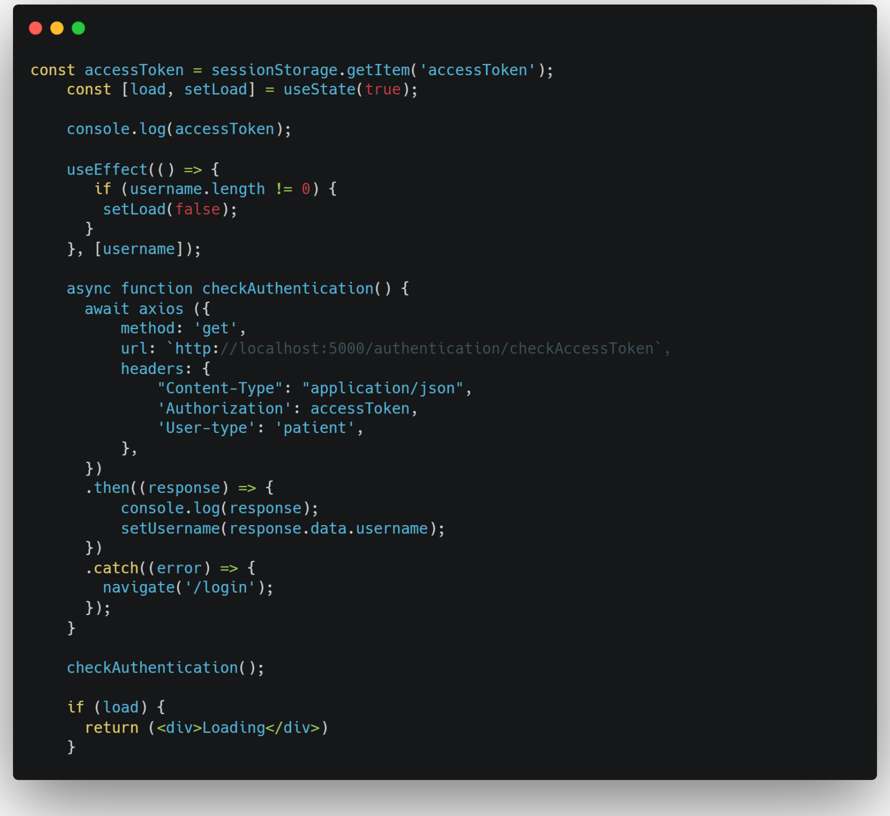
Extra imports:



```
import { useEffect } from 'react';
```

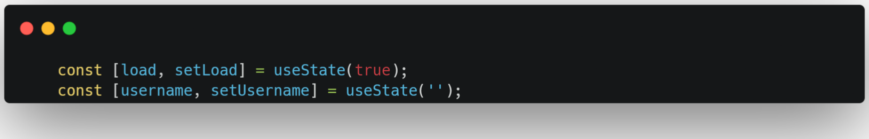
How to prevent different users from entering a page he is not authorized to?

Authentication Code



```
const accessToken = sessionStorage.getItem('accessToken');
    const [load, setLoad] = useState(true);

    console.log(accessToken);

    useEffect(() => {
       if (username.length != 0) {
        setLoad(false);
      }
    }, [username]);

    async function checkAuthentication() {
      await axios ({
          method: 'get',
          url: `http://localhost:5000/authentication/checkAccessToken`,
          headers: {
              "Content-Type": "application/json",
              'Authorization': accessToken,
              'User-type': 'patient',
          },
      })
      .then((response) => {
          console.log(response);
          setUsername(response.data.username);
      })
      .catch((error) => {
        navigate('/login');
      });
    }

    checkAuthentication();

    if (load) {
      return (<div>Loading</div>)
    }
```

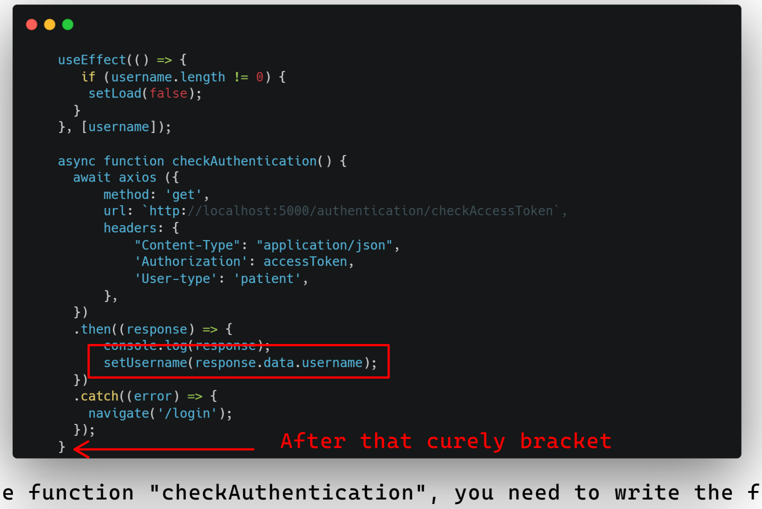
Step 1: We will use useState hook to store the state whether to display data (load = true) or the loading page when the (load = false).



```
const [load, setLoad] = useState(true);
const [username, setUsername] = useState('');
```

Step 2: We will use the "useEffect" hook to keep track whether username value is changed or not
Note: the username value is changed if the user have access to the page he/she is navigating to otherwise the username will be empty and he will be navigated to the login page if he is not authorized by calling the function "checkAuthontication".

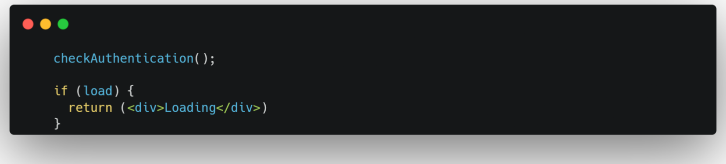
If you have already merged your branch with "Sprint2" branch then you need to add the following line "setUsername(response.data.username)" as appear in the image.



```
useEffect(() => {
   if (username.length != 0) {
    setLoad(false);
  }
}, [username]);

async function checkAuthentication() {
  await axios ({
      method: 'get',
      url: `http://localhost:5000/authentication/checkAccessToken`,
      headers: {
          "Content-Type": "application/json",
          'Authorization': accessToken,
          'User-type': 'patient',
      },
  })
  .then((response) => {
      console.log(response);
      setUsername(response.data.username);
  })
  .catch((error) => {
    navigate('/login');
  });
}
```

After that curely bracket

Step 3: Then after the function "checkAuthentication", you need to write the following lines



```
checkAuthentication();

if (load) {
  return (<div>Loading</div>)
}
```