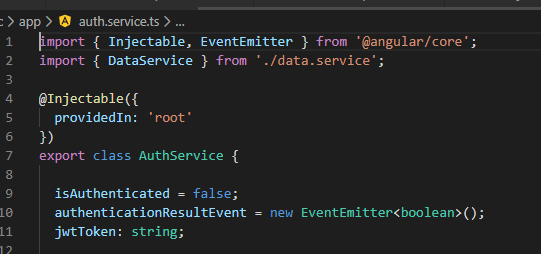
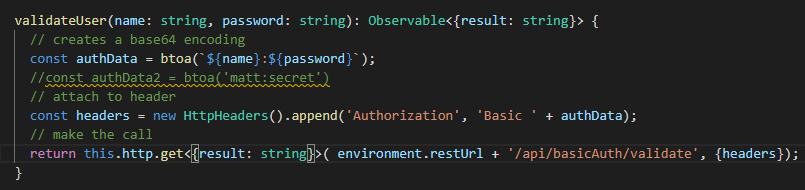
**Implementing JWT Authentication in Angular:**

In the AuthService.ts class create a jwtToken variable:

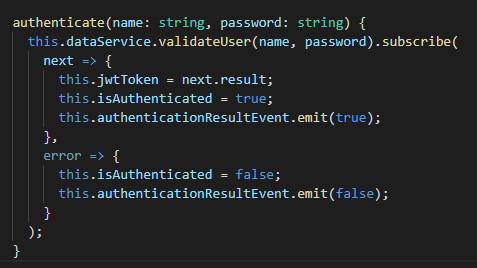


Go to the data.service.ts file and update the validateUser() to use a string jwtToken:

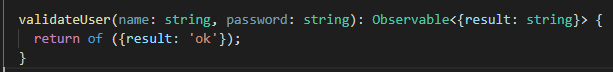
{result: string} is added:



Back in the auth.service.ts file:

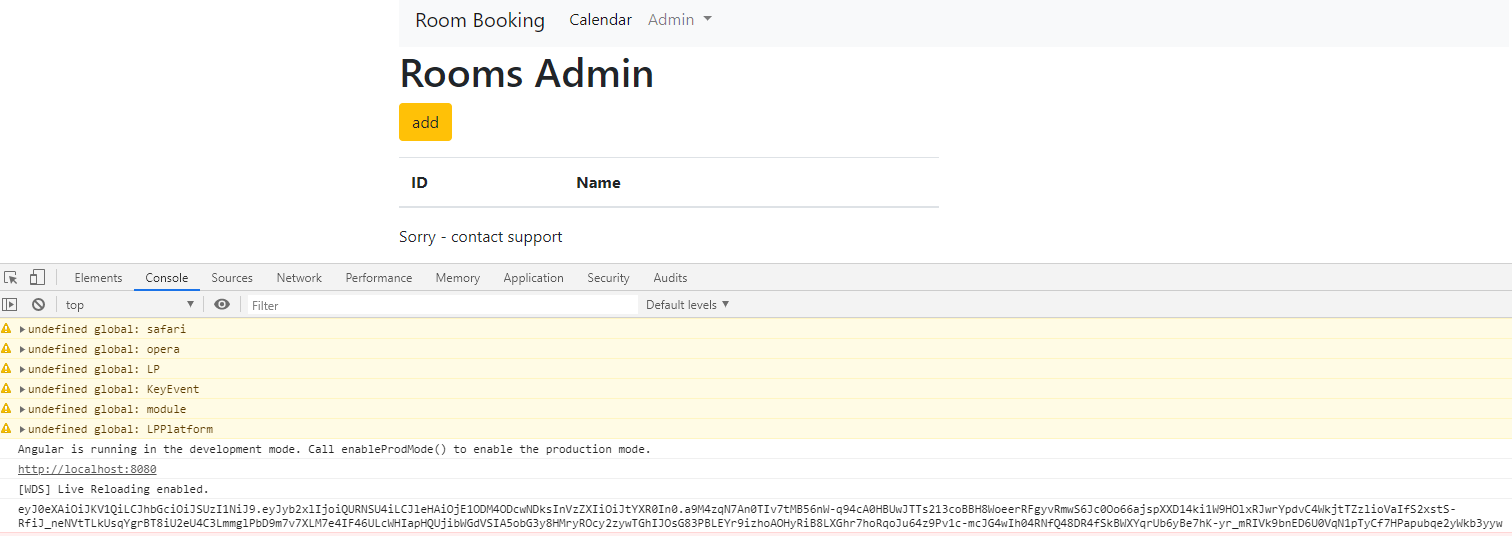


Update the data.service.local.ts class as well



**Let us test the jwtToken storage with a console.log() statement:**

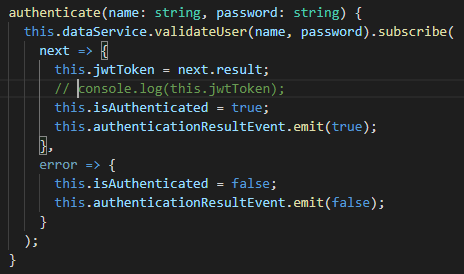
**Now, log in and check the console for the Token:**



Here is the token:

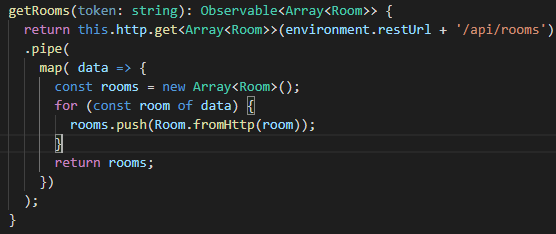
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiJ9.eyJyb2xlIjoiQURNSU4iLCJleHAiOjE1ODM4ODcwNDksInVzZXIiOiJtYXR0In0.a9M4zqN7An0TIv7tMB56nW-q94cA0HBUwJTTs213coBBH8WoeerRFgyvRmwS6Jc0Oo66ajspXXD14ki1W9HOlxRJwrYpdvC4WkjtTZzlioVaIfS2xstS-RfiJ\_neNVtTLkUsqYgrBT8iU2eU4C3LmmglPbD9m7v7XLM7e4IF46ULcWHIapHQUjibWGdVSIA5obG3y8HMryROcy2zywTGhIJOsG83PBLEYr9izhoAOHyRiB8LXGhr7hoRqoJu64z9Pv1c-mcJG4wIh04RNfQ48DR4fSkBWXYqrUb6yBe7hK-yr\_mRIVk9bnED6U0VqN1pTyCf7HPapubqe2yWkb3yyw

**Remove the console.log(jwtToken) as we can see that it is being stored in the UI auth.service.ts file:**



**Sending the Bearer Authorization Header:**

**Send the token with the rest call getRooms():**

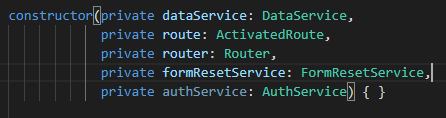


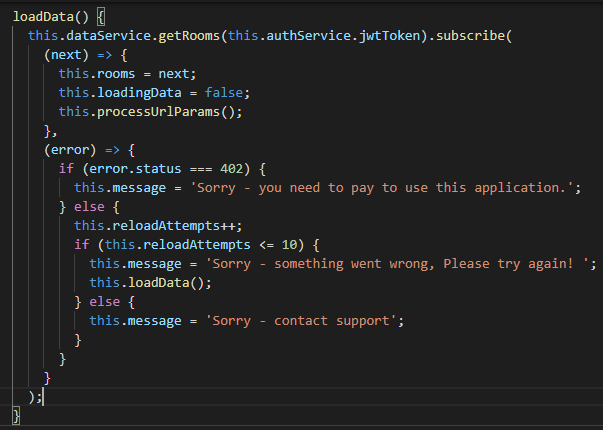
**Now add the header:**



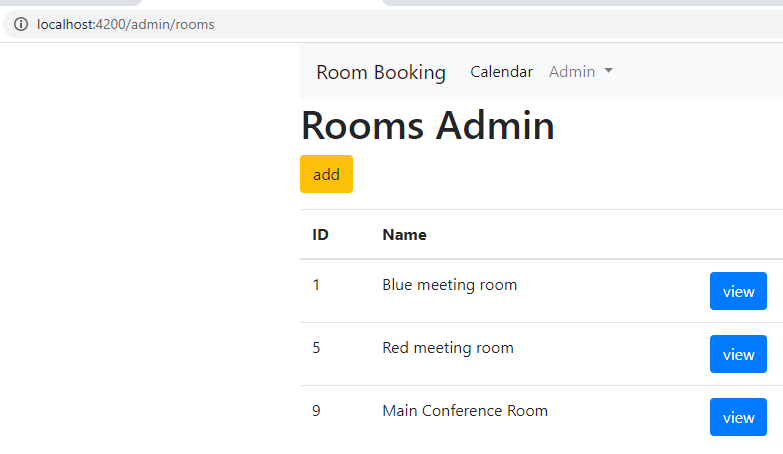
**Go to the rooms.component.ts file where the call is being made:**

**Provide dependency injection of the AuthService**





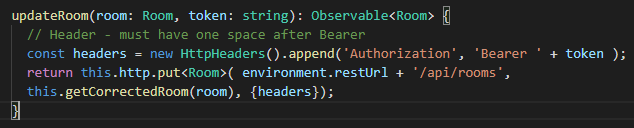
**Let us test this:**



**It works on login:**

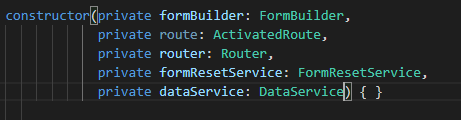
**Dealing with the 403 response call:**

**Look for the saving portion or updateRoom() in the data.service.ts file**

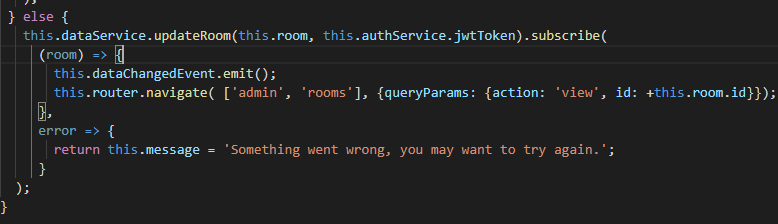


**Go to the room.edit.component.ts file:**

**Provide dependency injection:**

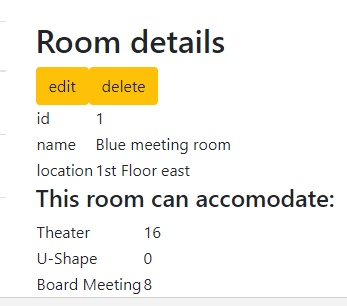


**Add the service to the updateRoom method:**



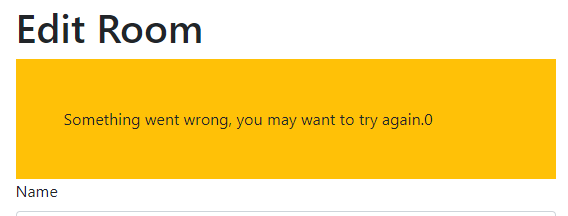
**Now, test this by editing a room:**

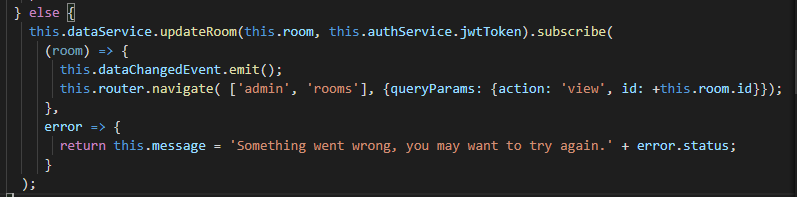
**Login and edit a room:**



**East was added successfully**

**Now, login as jane with secret**





**The error.status produces the zero 0**

**0 appears as the status code**

**Because it is difficult to capture the 403 error that a user is not allowed to Edit a Room, we**

**Should hide from what a user cannot do. Determine the role of the user and remove the actions**

**accordingly.**