

# Workshop 5 – Angular and Local Storage

This workshop is worth 2.5%

You must demonstrate your completed workshop to your tutor in your lab to receive the marks.

In this week's lab you'll be using last week's angular project to store the currently logged in user to storage..

In this lab we will be connecting a server-side node application with an angular front end.

You will be managing two projects at once.

## Task 1 – Creating a Branch

With your "Angular Labs" repository create a new branch called week 5 and check it out to do this week's lab.

## Task 2-

Create a directory called server at the root level of your angular project (same place as the src directory)

Run the command **npm init** from within the “server” directory

Install the express npm module

Use code similar to week 3 to setup a server in the server directory

It will require 1 route “/api/auth” that will respond to a login request.

Create an array of users (3) in the route file with the following properties. This will become the source of data for checking user credentials and profile information. (ie create a class called users that will define the type of an object that can hold a user.) In future week we will amend this to use a database instead).

1. username:string
2. birthdate:string
3. age:number
4. email:string
5. password:string
6. valid:boolean

The route should check against the array of users to see if the submitted data matches a valid user. If they are a valid user then pass back (send) a property of valid = true in the user record with the rest of the users details (username, birthdate, age, email, valid)

When a user logs in, their details should be stored in session Storage (Do Not include the password).

Session Storage can only store Strings and not objects. How can we convert an object to a string? (Week 1 Tutorial Task 3)

### **Task 3 -**

Modify last week's lab by adding a new component that will allow a logged in user to edit some of their "profile" information.

Create a new component called "profile" and link this component in your main menu via a new route.

When the component loads retrieve the session storage data for the current user.

Create a form in this profile component that will allow you to view and edit the current users details.

Once edited save the new details back to session storage.

Display the current user details of username, birthdate and age on the account page

If the user is not logged in it should redirect them back to the login page to authenticate themselves.

### **Task 4 -**

Add a log out button to the main menu. This link will clear the session and redirect the user to the log-in page.

### **Task 5 -**

Commit your changes back into the branch you created in task 1. Merge the branch back into the master branch.