Aim:- Develop an order management system where user will be able to add orders, edit orders, delete orders and view orders.

Thought Process

1. Develop a login page with username, password, remember me and add validations Once user logs in redirect to an order page.

Now I’m thinking of a simple bootstrap ui with two labels and input elements for username and password. This would be under a form tag with a submit button. There will also be a paragraph which would display errors.

Ill opt the reactive form approach for creating the forms. This would be easier to handle the whole form.

Upon clicking submit there will be a resolver which would authenticate the user.

As of now Im thinking of a simple if else statement and fixed username and password because in real world this would be done using authentication api.

So, If the user enters correct username and password we redirect him to the dashboard using router.navigate method else we display the errors as needed.

1. For the dash board.

To display the data ill be using a table with bootstrap styling and load the data from an array.

Now for storing the data ill be using a service which maintains an array.

Each row in the table would have appropriate data and at the last column two buttons edit and delete.

These two buttons will have click listeners upon clicking them if delete is triggered then we use the service to delete the item from the array.

If we click edit then we trigger a pop form with prepopulated data.. Now for this to work we need to distinguish between either we are in edit mode or in new order mode we could do this with a Boolean property.

Then this edit form pop or new order pop up form will be a reactive form aswell.

This will add or edit new elements.

Project Structure:

1. We would have two additional components name login, Dashboard
2. One service that would hold our data and all its manipulation methods
3. Routing end points homepage, then dashboard end point which is a protected route.

UI Breakdown:-

Login page

As said before its going to be a simple bootstrap layout.

Its going to be a div as a wrapper wrapping whole component. Another div to wrap the form tag.

In that form we would have label and input two times a paragraph which would be displayed conditionally for errors. Then a submit button to submit the form.

A radio button called remember me .

This form wrapping div will have a max width of 600px by 500px.

All the elements would be styled with bootstrap classes.

Dashboard:

There will be a label displaying the name of user, on the right side of the page there will be a button called +new

Down we would have a wrapper div inside we would have a table with some rows and coloumns.

Each row will have two additional buttons in the last row edit and delete.

Now I would like to have another button called edit just to display the final row only if the edit is clicked that would toggling a css class with display none property or the final column will have a ngif with a property being toggled.

Now ill be populating the table with ng for directive looping through array of dummy data.

I think this is enough preparation lets start the coding and ill add more things on the fly if needed.