

Angular Coding Challenge

Develop a single page application using Angular framework (minimum version 8) that implements a simple Blog using the APIs provided by <https://jsonplaceholder.typicode.com>. You can also use the local version of the APIs by running the server locally <https://github.com/typicode/json-server>.

Description

A **Blog** is a collection of Posts.

A Post has the following properties:

- `id` unique identifier for the Post
- `userId` the id of the user who created the Post
- `title` the title of the Post
- `body` the content of the post

Each **Post** could have zero or more Comments. A **Comment** has the following properties:

- `id`
- `postId`
- `name`
- `email`
- `body`

Specifications

The application is composed by:

- A simple login page with a form (username, password, and login button) that allows a user to authenticate, and prevent unauthorized users to navigate to other pages. For simplicity, login credentials can be hard-coded directly on the login service.
- A page that shows the list of all Posts, in particular only the Post's title and the name of the author, and a preview of the body (one line). By clicking on a Post, the user is redirected to the Post's details page.
- A page that shows the details of a Post including title, author name, body, and the list of the related comments.
- A form with a text area and a button at the bottom of the Post's details page to allow the user to insert a new comment. The new comment must be sent to the server using the right POST API and then added after the other comments.

REQUIREMENTS

- The layout must follow the one attached
- Use Flexbox for styling the application layout
- Use a loader indicator or the skeleton pattern to handle the loading state (e.g. data fetch via API)
- Handle error and empty states of API calls
- Use services to encapsulate the business logic of the application
- Code must be readable, reusable, and well documented

NICE TO HAVE (OPTIONAL)

- Use one of the following UI libraries:
 - Angular Material (<https://material.angular.io>)
 - Ng-Bootstrap (<https://ng-bootstrap.github.io>)
- In the Post details page, add an auto-generated avatar for the author of a comment using it's initials
- Add a "remember me" flag on the login page to keep the user logged in using cookies; the user should then be able to logout from the Posts page.

UI layout

Login

Username

Password

Login

Posts



Title | Author

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Title | Author

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Title | Author

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Post Title

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Comments



Label

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Label

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Label

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Add a comment

TextArea

Send