

Angular Homework Project

Goal: create Task Control application

Mandatory description:

Dashboard:

- List of all boards(delete, edit, task per column, date of creation), add new board
- Add new board (modal)
 - o Name
 - o Description
- Edit new board
 - o Name
 - o Description (Read-only)
- Sorting
 - o ASC/DESC
 - Name
 - Date of creation
 - Number of new task/in progress/done
- Filtering
 - o Board name
 - o Task name
- Open board details
 - o Redirect to board details page

Board:

- Board header
 - o Filter by task name
 - o Delete board
 - o Sort by task name / task date of creation
- Three columns "Todo", "In progress", "Done"
 - o Drag'n'drop tasks between columns
 - o Create task
 - o Choose column color
- Task item
 - o Name (Optional: + Image)
 - o Edit task
 - o Delete task
 - o Archive task
 - o Comments count (Add/Delete new comments)

Layout:

- Header
 - o Navigation
 - o In case auth(User name) **

Optional – you can improve app as you like, but without removing core functionality

Requirements:

- Create private repository and work with your project in it
- All code should be clean
- Use angular commit message convention
- Do not use any UI libraries (Material etc), use as less additional packages as possible
- Use eslint, typescript best practices

Technical notes:

Recommended to use all knowledge shared during lections:

- Use ng cli for creating project, services, components. (Create some manually)
- Create project architecture in a way it way be extended easily in future
- Create and use custom directive
- Create and use custom pipe
- Use both types of forms
- Add validation
- Application should be typed
- Cover application with unit tests
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- Create state management with RxJS
- Create lazy routing
- Imaging and create custom validation for reactive form
- All dumb components should be optimized with OnPush Change Detection Strategy (but you are free to use it on smart components as well)
- Deploy on github pages
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- Implement login system
- Record of self presentation sharing application and show some code (around 3-5 minutes)

Server example

Recommended to modify db.json or even to write own node.js server from scratch for more complex tasks completion:

Create [db.json](#) and run it with `npx json-server db.json` command

Design sketch:

[Link](#)

These is just a working sketch to give you a better idea of the business requirements.
Styling it will be your additional task.