

Github Repo: <https://github.com/UMM-CSci-3601-S20/lab-3-angular-javalin-johannes-kyle>

1. How does the navigation menu (with Home and Users) work in this project? Compare `server/src/main/java/umm3601/Server.java` and `client/src/app/app-routing.module.ts`. Both do a kind of routing; what does each accomplish and how?

**The navigation menu works by setting up routes to the angular components via the app-routing module. The side menu uses the routes via the “routerLink” attribute within the app.component.html file to display the correct component when the button is selected. The server routing sets up the api endpoints for http get requests by supplying the respective JSON data.**

2. What does the `user.service.ts` do? Why is it not just done in the `user-list.component.ts`?

**User.service.ts handles all of the moving logic of the user-list.component.ts file. Even if the changes are being done locally (angular client vs server), it is done via the service. The service also handles communication between the client and server (http requests).**

3. You need to use filtering in Angular and filtering on the server each at least one time. Our example filters users by *company* on the client side in Angular and filters users by *role* on the server side in Java.
  - What is one thing you filtered in Angular and why did that approach make sense for that filter?

**We used Angular for the orderBy filter because this filter can function properly by organizing JSON objects that have already been fetched from the server. Organizational tools do not require new data to function.**

- What is one thing you filtered using the server and why did that approach make sense for that filter?

**We filtered by body using the server. The reason for this is that if a search is limited by other filters, finding a match may require fetching more JSON objects from the server.**

4. What behaviors did you test via your E2E tests? For each behavior:
  - 4.1. Why did you test that particular behavior?

**We tested the todo title page to confirm the test was beginning on the right page. We tested the category, body, and owner filters for matching string input-output pairs. We tested these filters both for proper and mixed**

**capitalizations. In addition, we tested the limit filter and tested the orderBy filter. The reason behind all these tests is to mimic a user using the site.**

- 4.2. What is the "it" for that test? (You don't need to tell how the test works since your code will do that)

'Should have the correct title'

'Should type something in the owner filter and check that it returned correct elements'

'Should type something in the category filter and check that it returned correct elements'

'Should select an option of the status filter and check that it returned correct elements'

'Should select an option of the order filter and check that it returned correct elements (first three)'

'Should type something in the body filter and check that it returned correct elements'

'Should type something in the limit filter and check that it returned correct elements'