

Frontend Development Challenge

Built with



Frontend Development Challenge

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Challenge outline - Health Challenge Tracker

### Design an Angular 14+ single-page application (SPA) that takes inputs

* User name
* Workout Type
* Workout minutes



[View original](http://docs.google.com/workout1.png)



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### Display the user workout list with the below functionalities

* Search by name
* Filter by workout type
* Pagination



[View original](http://docs.google.com/workout2.png)



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### Optional feature -> Display the workout progress using charts



[View original](http://docs.google.com/workout3.png)



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💡 The screenshots are for representation purposes, feel free to beautify them as needed!

References & Requirements

* Create a **new repository** for the assignment
* There should be input fields to **add the user, workout type,** and **minutes** with a **button**
* The users added should be displayed as a **table grid**
* There should be an option to **search by username** and **filter by workout type**
* You can store the data using localStorage, for example:

JavaScript Copy

userData = [  
 {  
 id: 1,  
 name: 'John Doe',  
 workouts: [  
 { type: 'Running', minutes: 30 },  
 { type: 'Cycling', minutes: 45 }  
 ]  
 },  
 {  
 id: 2,  
 name: 'Jane Smith',  
 workouts: [  
 { type: 'Swimming', minutes: 60 },  
 { type: 'Running', minutes: 20 }  
 ]  
 },  
 {  
 id: 3,  
 name: 'Mike Johnson',  
 workouts: [  
 { type: 'Yoga', minutes: 50 },  
 { type: 'Cycling', minutes: 40 }  
 ]  
 },  
 ......]

* You can have the **initial** data with 3 users added to the list by default
* There should be **pagination** added for more than 5 users
* The assignment **must contain unit tests** for **1 component and 1 service** with **100% code coverage** with the code coverage report added in the **README**
* You can use libraries like angular material, primeNG, etc
* **Host your SPA** on any cloud service you choose (Heroku, Netlify, Github Pages, etc - If you don't have an account, you can sign up for free).
* As a bonus feature -> Add charts to display the workout of users

💡 Pleace make sure that all of the points mentioned above are taken care of.

### Notes

* The assignment has to be done in the Angular 14+ framework.
* You're free to make assumptions, please make sure they are mentioned in the README.
* You're free to use additional libraries that work with Angular 14+.
* Design is for representation purposes only, you are free to modify it, but all the functionalities shown in the design (and as listed in requirements) should be present.
* Make sure all edge cases are thought through and handled.
* Make sure all bugs are taken care of
* Styling is to be done with Tailwind

### Deliverables

* A Github repo link(public) of your solution, with a README to run and check things locally.
* Link to the hosted Web App.

### What do we look for

* If best practices are followed
* How well-formed is the Folder Structure
* Code Readability / Clean Coding principles adhered to or not
* If edge cases are handled properly in the implementation
* The visual appeal of the implementation

### Submission

Pleace fill out this form with the details of the public link of the repository containing the application and test cases, the deployed application, and your resume.

Also,

Please record a video introducing yourself.

💡 Upload the video to Google Drive and share the public access link. Please verify if the video is visible to anyone with the link.

We also want to hear your thoughts on your recently completed assignment. Keep the video under 2 minutes. Mention the following points in the video:

1. Introduce yourself. You can include:
   1. Personal details like name, education, hobbies, etc.
   2. Will you be available for a full-time internship for 6 months?
2. What was the most challenging part of the assignment?
3. If you were to change anything about the assignment, what would it be?

<https://forms.gle/ucKCSdcrRh8ApyPX9>

P.S. Please feel free to contact dimple.kh@fylehq.com if you have any questions, and remember to have fun with the assignment.

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