# Front End - ChatOverflow

1. Technologies

For the Front-End part of this assignment, I chose to use the Angular framework, alongside with Bootstrap, and Font Awesome, which provided the icons used in the buttons. A big advantage when using Angular is that we can reuse pieces of the UI, thus increasing the code reusability and decreasing the development time at the same time.

2. Architecture

The architecture used in this Angular project can be compared to the Model-View-Controller architecture. The app routing module being similar to the controller layer, the services are just like those in the backed, responsible for sending the requests and parsing the JSONs, and alongside with the model classes creates the model layer. The last one is the view, which contains the components, with the HTML, SCSS and TypeScript parts which combined creates the components.

3. UI

Questions page
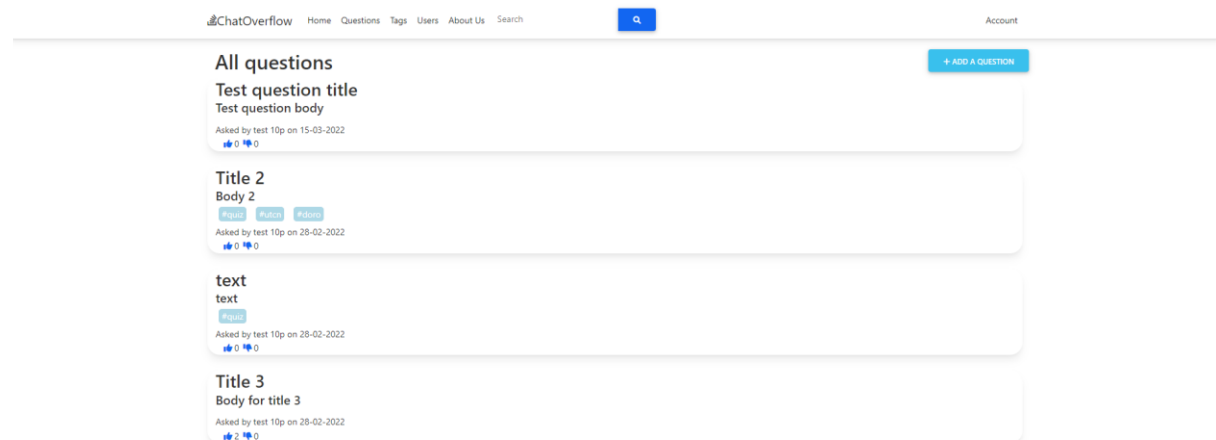
The Question Page

text

text

#quiz

Asked by test 10p on 28-02-2022

👍 0 👎 0

fgd

Answered by test on 12-03-2022

👍 2 👎 0

yes2

Answered by test on 15-03-2022

👍 0 👎 0

Write something..

POST YOUR ANSWER

The Tags page

#quiz	#utcn

#doro	#iab

The Questions by tag

text

text

#quiz

Asked by test 10p on 28-02-2022

👍 0 👎 0

text
text
Asked by p on 28-02-2022
👍 👎

Title 2
Body 2
Asked by p on 28-02-2022
👍 👎

The Users page

test account   0p
moderator
test   10p
moderator

The User page

👍 👎

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Account

test   10p
moderator

Test question title
Test question body
Asked by test 10p on 15-03-2022
👍 0 👎 0

Title 2
Body 2
#quiz #utch #demo
Asked by test 10p on 28-02-2022
👍 0 👎 0

text
text
#quiz
Asked by test 10p on 28-02-2022
👍 0 👎 0

Title 3
Body for title 3
Asked by test 10p on 28-02-2022
👍 2 👎 0
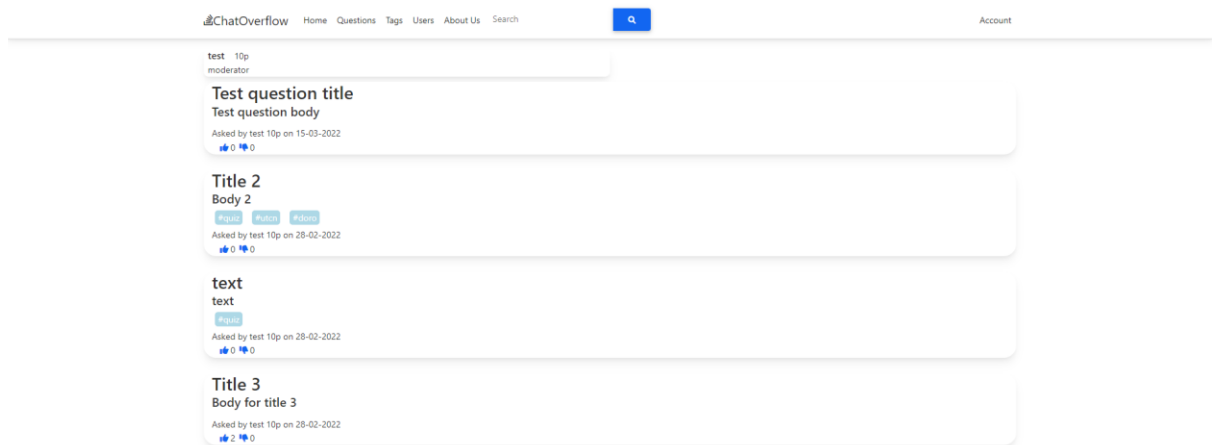
The well known about page
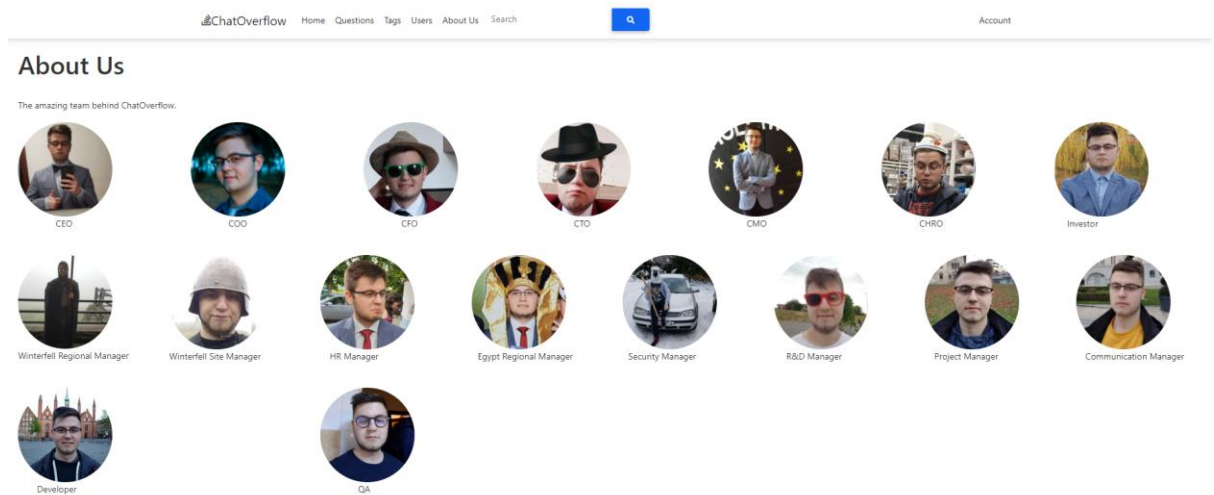
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Winterfell Regional Manager

Winterfell Site Manager

HR Manager

Egypt Regional Manager

Security Manager

R&D Manager

Project Manager

Communication Manager

Developer

QA

The login page

The register page

4. Testing
   I created a testing module for each serviced linked to the backend: question service, user service, and tag service. In each testing module, I created 2 tests, one for verifying that the service can be instantiated and the other to verify that the service send the get response and receive the desired data.
5. Components

There are three types of components:

- Shared

- o Navigation bar: which is present on every page
- Components
  - o Answer component
  - o Question component
  - o Tags component
  - o User component
- Pages
  - o About page component
  - o Add question page component
  - o Home page component
  - o Login page component
  - o Question page component
  - o Questions page component
  - o Questions by tag component
  - o Register page component
  - o Tags page components
  - o User page component
  - o Users page component

6. Bibliography

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Angular - Testing

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