

Advanced Web Applications Project

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How to run the project

1. First you have to clone the repository from Github:
<https://github.com/Nessu/AdvancedWebProject>
2. When you have the code cloned, go to the root folder called 'AdvancedWebProject'.
3. Then run 'npm install'
4. Then, if you are on Windows, run 'SET NODE_ENV=production && npm run start', otherwise run 'NODE_ENV=production npm run start'
5. Now the application is running on 'http://localhost:1234/'

Technology choices

The front-end is fully done using React because I had used it before so I was quite familiar with it. For the navbar at the top of the window, I used bootstrap. To show important information for the user, like notifying if editing was successful, I used the Toastify toast message library. I used a couple icons and those I got from React Icons.

The back-end is done with Express. I started the server with the Express generator. For the database I used MongoDB. The user authentication is done with jsonwebtokens and I used bcryptjs to hash the password before storing them to the database. To validate the registration data, I used the express-validator.

User manual

The application will open in the home page where you can look at the already posted content and their comments. If you want to post content yourself, you need to register. You can do that from the top right corner, where is the 'Register' link that takes you to the registering page. If you already have an account, you can go to the login page by pressing the 'Login' link next to the register link. Once you have logged in, you can post content, comment on them and vote. From the profile page you can update your email, username and your bio. If you want to inspect the profile of the user that posted the post, you can do that by clicking their name below the post. If you want to log out, you can do that from the top right corner by pressing the 'Logout' link.

Feature list

- Basic features
- Users can edit their own comments/posts
- Utilization of a frontside framework, such as React
- Voting on posts (I didn't add voting on comments because Stackoverflow doesn't have it either)
- User can click username and see user profile page where name, email, register date and bio is listed
- Last edited timestamp is stored and shown with posts/comments

Total points: 41