

Web Applications Final Project

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(Application name: Questioning Coding)

Documentation

Link to GitHub: https://github.com/Jezerig/web_final_project

Technology choices

-The backend was created using Node.js and Express.js as they were used through out the course and I'm familiar using it.

-MongoDB with Mongoose.js was chosen as the database for the same reason. The database works locally and doesn't have anything in it so there are no example posts, comments, users, etc.

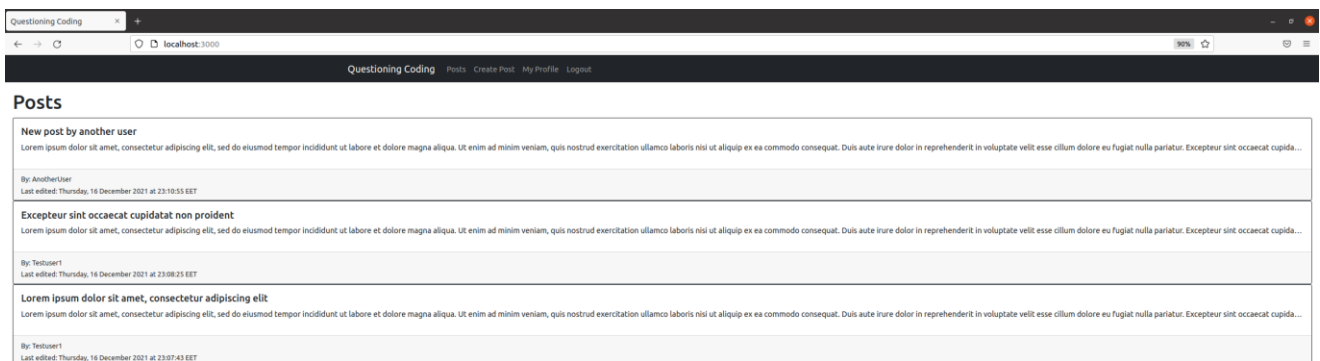
-Authentication is done with register and login. Bcrypt.js hashes and salts the passwords. All user data is then stored in MongoDB.

-Authorization is done with JWT and passport.js. JWT is stored in the browsers localStorage so the user can refresh the page and not have to login again. Calls to the backend are authorized with the JWT and UI elements are hidden/shown with JWT is not/is present.

-Frontend is done with React and the UI was made with React Bootstrap. I used it because it seemed to have the perfect elements for this use case and it had good documentation.

Screenshots and features:

Frontpage ('/') with posts showing title, part on the text content, creator's username, and the last edit date and time. Username can be clicked and it goes to the user's profile page.



Registration page.

[Questioning Coding](#) [Posts](#) [Login](#) [Register](#)

Register

Username

Email address

Password

Password requirements:

- at least one lowercase letter
- at least one uppercase letter
- at least one number
- at least one symbol

Bio

Register

Login page.

[Questioning Coding](#) [Posts](#) [Login](#) [Register](#)

Login

Email address

Password

Login

Create Post page.

[Questioning Coding](#) [Posts](#) [Create Post](#) [My Profile](#) [Logout](#)

Create a new Post

Title

Content

Submit Post

User profile page. Can be accessed through My Profile for the current user's profile or by pressing the post/comment creator's username.

[Questioning Coding](#) [Posts](#) [Create Post](#) [My Profile](#) [Logout](#)

Testuser1
Register Date: Thursday, 16 December 2021 at 23:06:50 EET
Bio: This is my epic bio.

If the user is already logged in they can't register or login again. Header also shows Posts, Create Post, My Profile and Logout. If the user is not logged in only Posts, Login and Register are shown. If the user goes to login/register page through the url they get an error message shown below.

[Questioning Coding](#) [Posts](#) [Create Post](#) [My Profile](#) [Logout](#)

Can't register whilst logged in.

[Questioning Coding](#) [Posts](#) [Create Post](#) [My Profile](#) [Logout](#)

You're already logged in.

404 page if incorrect url is given.

[Questioning Coding](#) [Posts](#) [Create Post](#) [My Profile](#) [Logout](#)

404: Page Not Found

An user that is not logged in viewing a post.

[Questioning Coding](#) [Posts](#) [Login](#) [Register](#)

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By: Testuser1
Last edited: Thursday, 16 December 2021 at 23:08:25 EET

Comments

Comment on this post.

By: Testuser1
Last edited: Thursday, 16 December 2021 at 23:08:45 EET

I think I can help you with this problem. Here: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

By: AnotherUser
Last edited: Thursday, 16 December 2021 at 23:10:30 EET

Thanks for the help!

By: Testuser1
Last edited: Thursday, 16 December 2021 at 23:11:18 EET

Post with no comments.

[Questioning Coding](#) [Posts](#) [Login](#) [Register](#)

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By: Testuser1
Last edited: Thursday, 16 December 2021 at 23:07:43 EET

Comments

No comments.

User that is logged in viewing a post. (they can add a new comment)

Questioning Coding

Posts

Create Post

My Profile

Logout

New post by another user

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By: AnotherUser

Last edited: Thursday, 16 December 2021 at 23:10:55 EET

Comments

Good post!

By: Testuser1

Last edited: Thursday, 16 December 2021 at 23:12:00 EET

Comment Text

Submit Comment

Responsive UI (GIF LINK: <https://gyazo.com/ea2527a12e001d275477b68a5320eb27>):

Questioning Coding

Posts

Create Post

My Profile

Logout

Posts

New post by another user

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By: Testuser1

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Installation guidelines

- Clone the repository
- Install npm
- 'npm run install' in project root

There are two ways to run the application:

Production:

`'npm run build'`

`'NODE_ENV=production npm run dev:server'`

Connect to 'http://localhost:1234' on your browser

Development:

Run the commands on two different terminals:

`- 'NODE_ENV=development npm run dev:server'`

`- 'npm run dev:client'`

Server should not be hosted at: 'http://localhost:1234'

and the client at: 'http://localhost:3000'

Features and points:

Basic features with well written documentation: <ul style="list-style-type: none">- Node.js and Express.js- MongoDB- Authentication: JWT, register, login- Authenticated users can post, comment- Page listing all posts- Post page with comments- Responsive design (React Bootstrap)- Documentation	25
Utilization of a frontside framework, such as React, but you can also use Angular, Vue or some other	5
User can click username and see user profile page where name, register date, (user picture) and user bio is listed	2
Last edited timestamp is stored and shown with posts/comments	2
Own features: <ul style="list-style-type: none">- Hiding elements from UI based on if the user is logged in or not- Error toasts during login/registration- Not Found Page- Bootstrap UI design	3
Total	37