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Blog Project

What is it? What does it do?

Users should be able to log into an account that they have created and write/view blog posts.

Post should be able to be commented on by others viewing the article.

Authors should have a page describing themselves and what they write about.

Users should be able to search for articles by category/title/author.

Authors and commenters should be able to share their article on twitter.

Authors should be able to update and delete articles.

Commenters should be able to update and delete comments.

Tech to be used

-React with Redux
-React Router
-CSS
-PostgreSQL
-Node + Express
-??

What I already know how to do

-Create and update DB and its tables
-Restrict/ sanitize input on front and back-end
-React + Redux Basics
-React Router
-Bootstrap Basics
-Express Basics
-Write test for frontend components/ functions

What I know I need to learn

-Express Routers/middle for cleaner code
-Write test for Express
-Advance DB design for efficiency

-Authentication for login
-Hosting the backend
-Permissions to update/ delete comments/articles

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React Component List

-Logo
-Footer
-Nav: holds logout button and links to profile and articles(break it up into link components who live in nav)
-Form: needs to be able to switch from login to register
-Form 2: search by category/title
-Form 3: create/edit article title, subtitle, markdown
-Form 4: create comment
-Profile: username, description
-Article Preview: show author name, title, subtitle, date, link to article itself
-Author: render comment and author for article
-Article: article itself
-Comments: render author for all comments

Pages List

-Login route = '/'. Contains form 1, footer, successful login links to User
-User: contains nav, profile, article previews, link to create/edit articles, footer
-All articles: contains nav, form 2, article previews, footer
-Article: contains nav, author, article, form 4, comments, footer
-Add Article: contains nav, form 3, footer
-Edit Article: contains nav, form 3, footer

State Need for components

-Logo: none
-Footer: none
-Nav: profile thats logged in, don't know how imma get that rn
-All Forms: state for each input
-Profile: needs access to logged in user
-Article Preview: needs access to all articles from db,
-Author: if in comments it needs comments, if in article needs author of article
-Article: specific article from db
-Comments: all comments from db

Database tables

-Articles
-Comments
-Users

Table Relationships

- Articles
        - an article can have many comments (one to many)
-Comments
        - comments have only one user and belong to one article
- Users
        - user can create many articles and many comments

Table Rows with constraints

- Articles
        -id(PK), user(FK), date(not null), title(not null), subtitle, markdown(not null)
- Comments
        -id(PK), article(FK), user(FK), date(not null), comment(not null)
- Users
        -id(PK), username(not null, unique), hashed password(not null)

Updating table on delete

- Articles
        - delete all comments associated with article
-comment
        - delete comment thats it
-Users
        - delete all associated articles and comments

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Operations on the table

- Articles
        - create, update, delete
- Comments
        - create, update, delete
- Users
        -create