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2406 Web Development

LINK TO YOUTUBE VIDEO

Here is a list of all of my files and their purposes.

Server.js - This is the server of my project. Any changes that the client wants to make gets sent to the server. I am using express and mongodb to do all of this.

Database-init.js - This is a database initializer for the server, used for creating the initial data for the project.

Gallery folder - This contains all of my initial data for my project inside of gallery.json.

Views folder - This has all of my pug files inside of it and my styles folder which contains styles.css.

Styles.css - This contains all of my styles for the project (Sorry this file is kind of messy as this is my first time using css).

addWorkshop.pug - This is the page that allows artists to create new workshops.

deletedPost.pug - If the user tries to look at a post that has been deleted, they see this error page instead.

Following.pug - this is the page that shows the list of users the user is following, they can unfollow users from this page.

Index.pug - This is the home page of the server.

Invalid.pug - This is the page that shows if the user tries to access a feature they need to be logged in to see.

likedPosts.pug - This is the page that the user can see what posts they have liked. They can unlike posts from this page.

logIn.pug - This is the page that the user can log in from.

logOut.pug - This is the page that the user can log out from.

makePost.pug - This is the page that the user can create a post from.

Notifications.pug - This is the page that the user can get notifications from any new posts that users they are following have posted.

Post.pug - This is the page that shows a post from any user. I did this page by using a template engine. So depending on the index of the post in the user's post list is the post that is displayed to you.

Profile.pug - This is the page that allows the user to look at a user's profile.

Search.pug - This is the page that the user can search for any user inside of our database.

searchByParam.pug - This is the page that the user can search for specific posts based on parameters they choose.

signUp.pug - This is the page where the user can create a new account (starts off as patron).

How to Initialize and run everything:

- Navigate to the correct directory and run the command npm install to install all of the dependencies
- To run the initializer, run the command node database-init.js
- To exit the initializer hit control c
- Now to start the server run the command node server.js
- Now you can navigate to local host in your browser to view the project

Discussion and critique of your overall design:

My code is organized pretty nicely into different files. All of my pug file names are what exactly that pug page does. The server.js file is very well organized and indented based on each

get/post/delete request. When I was working with my code I would even hide the functions I wasn't using at the time to keep things easier to read. I believe this was an effective use of RESTful design principles. I also made sure to use proper HTTP status codes whenever the client was interacting with the server. I would usually just send a status code 200 if the interaction was successful or a 500 if it was not successful. I used lots of async operations as well.

I had 3 databases in my project, one for session data, one for each user, and one for each post. The one I mostly use in the project is the one for each data as I store most of the data there, but I needed the one for each artwork so I can query through each artwork.

Although the final project looks quite nice, I wish I would have planned out what I was going to do a little bit beforehand, because whenever I added a new feature I always had to go and edit other features to make the implementation work. This resulted in sometimes messy code and this could have been an issue if my project got a lot bigger.

Design Decisions:

For the design for an artistic website, I wanted to use a lot of colors in my styling. I also had a nice sidebar for each page in my website that allows the user to easily navigate the site. I think the only extra feature I added was that when looking at a user's profile, it displays a preview of each post before you click on it. I created 2 new profiles, one that I made and one that my friend made.

Known Errors:

- I haven't been able to recreate it, but once when I deleted a post it crashed my site

- It could just be my internet, but every 5 mins, the page doesn't load anymore and makes me open a new tab. Nothing on the server breaks.