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Video Link: <https://youtu.be/gXKrtuBQF3c>

- The video length is 10 minutes and 45 seconds. The last 43 seconds is me explaining how I feel about the project. I would greatly appreciate it if you could watch this video in its entirety.

Description of program: This program implements an online art gallery that allows users to follow artists, like artwork, leave artwork reviews and more. The MongoDB database technology is used to store all relevant data, the PUG template engine is used to deliver the front end and the backend of the program is done using JavaScript with NodeJS, Express and sessions.

Files:

- bell.png
- brush.png
- likesClient.js
- loginClient.js
- registerClient.js
- reviewClient.js
- uploadClient.js
- workshopClient.js
- artistPage.css
- home.css
- login.css
- review.css
- upload.css
- user.js
- artist.pug
- artist2.pug
- createWorkshop.pug
- error.pug
- following.pug
- home.pug
- homeArtist.pug
- leaveReview.pug
- liked.pug
- login.pug
- notifications.pug
- personalCatalogue.pug
- piece.pug
- register.pug
- searchResult.pug
- seeReviews.pug
- showEnrolled.pug
- upload.pug
- userReviews.pug
- viewWorkshops.pug
- database-initializer.js
- gallery.json
- package.json
- report.pdf

- server.js

General Design elements:

- My interface has an orange and blue color scheme.
- The header of my pages has links that serve as navigation tools to various page. This was implemented in place of a designated “Your Profile” page. For example, users can navigate their liked photos from the header navigation bar.
- Users can see all artwork they have uploaded through a personal catalogue page.
- Artists can see all the workshops they have created via a designated page (*I believe this is an extra piece of functionality*).
- Users can see all workshops they joined on a specific page.
- A bell icon that acts a link has been added so users can navigate to their notifications
- A brush icon will appear in the header if user is an artist/ is in artist mode.
- The search for an artwork functionality is implemented using a dropdown bar and search bar.
- Users can delete their reviews.
- Users can view all the workshops they are enrolled in (*I believe this is an extra piece of functionality*).
- PUG forms and parametrized URL IDs were used as much as possible to send or get information. I tended to refrain from using client JavaScript where I could.

Areas of improvements:

- The way I check or match certain things in the database could possibly be more robust by having more layers of validation. The more similar users or pieces of artworks are, the harder it can be to differentiate, and I may end up making modifications to the wrong item.
- The way I search for users could possibly be done in a more efficient way as if the user base grew very large, it could take very long to fetch information.

Launching instructions:

- Input ‘npm install’ in the terminal of correct directory location
- Input ‘node database-initializer.js’ in correct terminal to initialize database
- Input 'node server.js' in correct terminal to run the server
- Input URL <http://localhost:3000/> in browser