Jack Ricketts, 101266411, COMP 2406 B, https://youtu.be/4r_lh3t6Al8
NOTE: (IMPORTANT)
There is something I need to clarify. Firstly, I did not have a full MongoDB integration (as I stated I did in the video). This is because I did not use sessions inside of MongoDB.
ALL LEONARDO DA VINCI IMAGES WERE TAKEN FROM
https://www.britannica.com/list/10-famous-artworks-by-leonardo-da-vinci.com

Files:
ArtworkModel.js - Stores the artwork model, used for MongoDB
UserModel.js - Stores the user model, used for MongoDB
gallery.json - Used to load information into MongoDB via gallery-generator.js
gallery-generator.js - Used to initialize all artworks and users in gallery.json
server.js - Contains all route endpoints for proper program function
artInfo.pug - Displays info about a specified artwork
artwork.pug - Used to add artwork to MongoDB
follower.pug - Used to view a list of all followers a user has
following.pug - Used to view a list of all users a user is following
home.pug - Used to display the home page
liked.pug - Used to display the liked artworks page
login.pug - Used to display the login page
notifications.pug - Used to display the notifications page
register.pug - Used to display the registration page
review.pug - Used to display the page that allows for adding reviews to an artwork
reviews.pug - Used to display all reviews an artwork has
search.pug - Used to display the search page, with input boxes and images
user.pug - Used to display user information
workInfo.pug - Used to display information about a workshop
workshop.pug - Used to display page that allows for a user to add a workshop
headLog.pug - Used to display a header when a user is logged in
headNotLog.pug - Used to display a header when a user is not logged in
artClient.js - Client functionality for artwork.pug
logClient.js - Client functionality for login.pug
regClient.js - Client functionality for register.pug
revClient.js - Client functionality for review.pug
search.js - Client functionality for search.pug
styles.css - Styling for user.pug
workClient.js - Client functionality for workshop.pug
workInfoClient.js - Client functionality for workInfo.pug

Startup:
Before trying to run the program, open a terminal and ensure that you are in the directory where both server.js and gallery-generator.js are located. Also, ensure that MongoDB is correctly installed on your pc. Now, type:
npm install
and wait for the dependencies to install. Then, type
node gallery-generator.js
in the terminal to initialize MongoDB. Once this stops running, you can start the server by typing:
node server.js
After this, go to the link that appears in the console (127.0.0.1/3000) and the test the program

Discussion and critique of design
This project forced me to create a lot of files, and a lot of endpoints. I think I could have likely shortened this number (or at least shortened what was sent through them). For example, some endpoints have two parameters. I feel that I likely could have shortened them to one. Furthermore, I used two different endpoints for my search page, and I probably could have condensed that into one as well. I think all of the endpoints that interacted with the client were effective, however, as they allowed the client to redirect the user to a newly available page. Furthermore, I was only transferring the necessary data required to perform the function of a given endpoint.

Design Decisions
I didn't have many design decisions that would stand out. I believe that my best design decision was on the artwork search page, where I formatted each image and displayed its info next to it. I am also glad that I used a box for the user info, as it makes it clear that it is different from the user's artworks. The only "extra functionality" that I had was adding an age field to each artist, and requiring that on registration. Unfortunately, I did not end up having time to work with it, so that is all it is right now.

Known error
The program will not work if you try and add an artwork without a proper image source, for an unknown reason. This includes regardless or not if I have an alt attribute attached to it. Please ensure that you do not add artwork that does not have a valid poster link. Also, resizing the page after clicking search may look strange, as images that are short will have less room for text to appear, so the text may appear below the image.