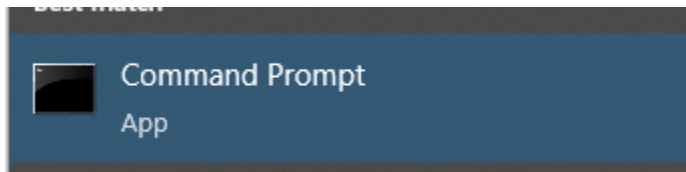


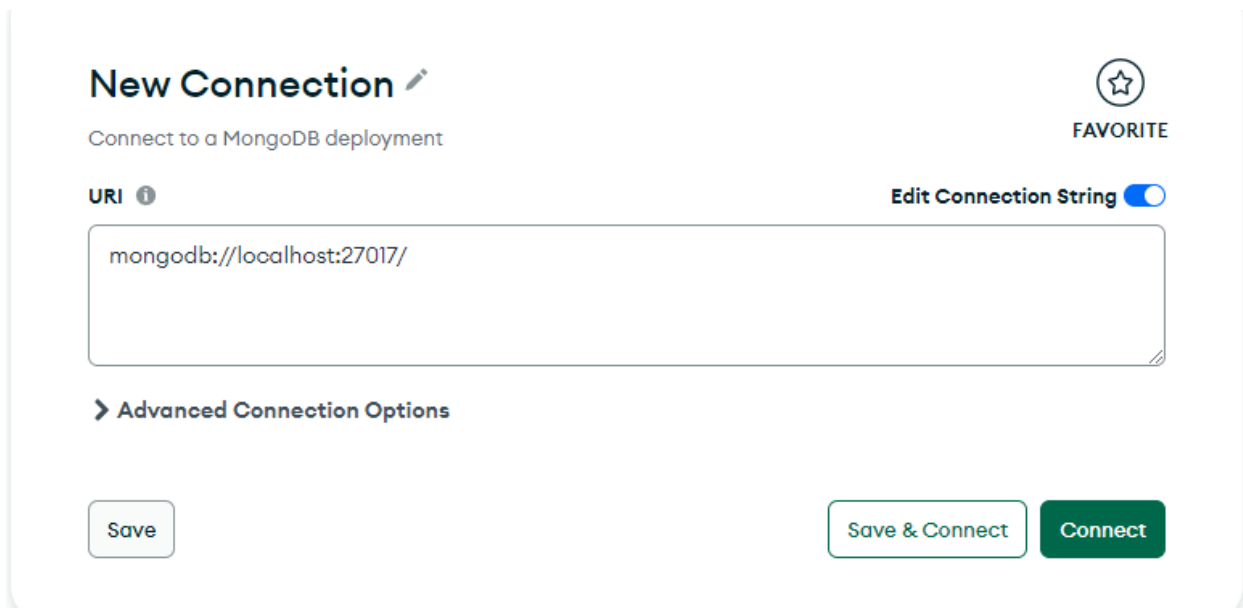
Artist Gallery Project Mathavan Vallipuram

Initialization

1. Download and extract the MathavanVallipuram-project.zip file
2. Open up a terminal or command prompt



3. Next Create a path to the db folder in the directory so that MongoDB can be connected
4. Open MongoDB compass and click connect



5. In VSCode, go to the terminal, enter the code directory and enter the command `npm install`
6. Now initialize the database by running the command `node .\initialize-database.js`
7. Now upon refreshing mongoDB compass, the gallery should now appear
8. Now enter `npm start` and go to <http://localhost:8080> in a browser

Critiques:

1. There are a lot of scripts in this project. All of the pug files have around 100 lines of code in them. It would have probably been much more clean if JS files were made for the templates and they were referenced
2. Unfortunately, when an error is met in the code, the server crashes which means there is no way to recover or rebound from that error. At any point if there is a problem, the runtime will end
3. Promise error handling could have been done better. Rare exceptions are not handled and I could have completed them in case they did appear

Design Choices:

1. If a user wants to change their account type, they must type their password in, similar to many other websites as it adds a layer of security
2. Patrons are able to upgrade their accounts to become artists without needing to post artwork first as pre-existing artists are able to delete their artwork and maintain an artist level, therefore patrons should be able to become artists without having to post art.
3. There is no registration page as entering a new user will automatically create a new user and add it to the database if it has not been found. If the username has already been selected before, if the password entered and password on file is different, it will cause an error
4. Notifications only last for 5 minutes, meaning if a patron or artist follows another artist and artwork or workshop is created, they will be notified for only 5 minutes within creation.

Video:

<https://youtu.be/xn5lxGw4M-c>