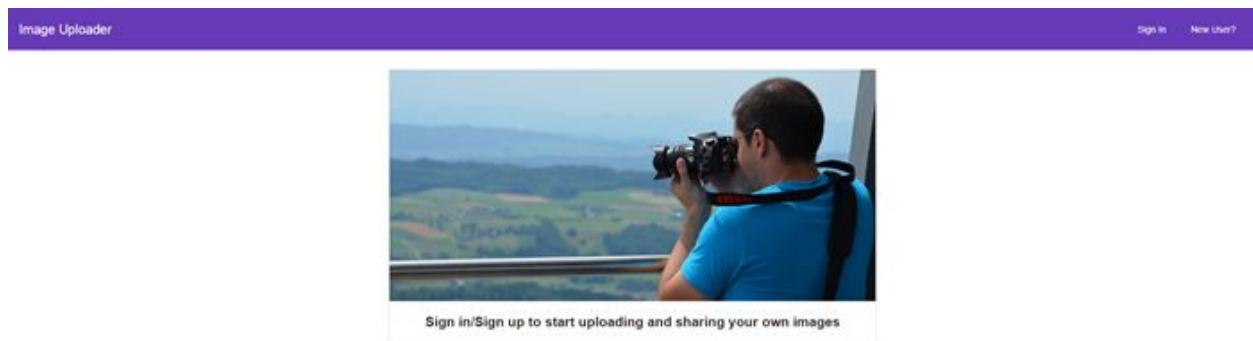


# Setting up the project on your local machine

**Requires nodejs version 7.0.0 or greater and npm**

1. Clone the repository.
2. Install angular CLI using the command `npm install -g "@angular/cli"` from the command line of your choice if not already installed.
3. Navigate to the directory in which the cloned repository is located, and navigate to the `angularFrontend` folder in the command line of your choice.
4. From this directory enter the command `npm install`. This will install all dependencies necessary for the project to run properly.
5. Start the development server with the command `npm start`.
6. Congratulations! You should be able to see the project from your browser at `localhost:4200`.

## Using the Application:



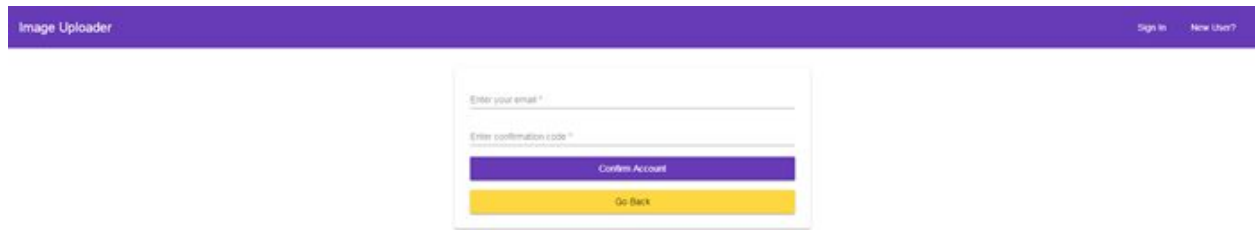
**(fig. 1: The splashpage)**

Upon starting the application, you are greeted with this splash page, letting you know that you need to sign in or sign up for a user account before uploading images. To sign in, click the "Sign In" button on the toolbar. To sign up for a new account, click the "New User?" button on the toolbar.

The screenshot shows a web application interface. At the top, there is a purple header bar with the text "Image Uploader" on the left and "Sign In" and "New User?" on the right. In the center of the page is a white rectangular box containing a sign-up form. The form has three input fields: "Enter your email", "Enter a password (must be at least 5 characters with at least one number)", and "Reenter your password". Each input field has a small eye icon to its right. Below the input fields are two buttons: a purple button labeled "Create an Account" and a yellow button labeled "Input Confirmation Code".

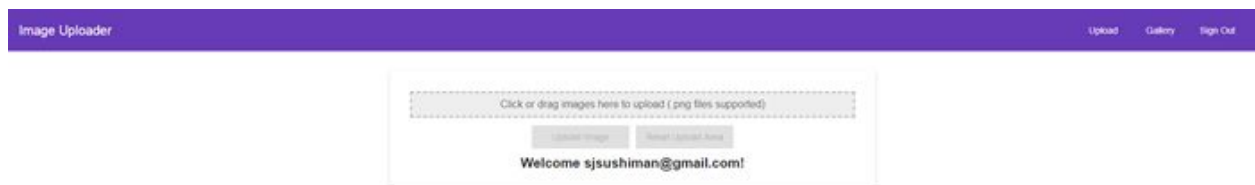
**(fig. 2: The sign up page)**

In order to sign up for an account, you must provide a valid email and password that matches the requirements of the application. After successfully meeting these requirements and if the re-entered password matches the previously entered password you are free to click the "Create an Account" button and an email containing an account confirmation code will be sent to the previously provided email. Once you receive your confirmation code, you can then proceed to the account verification page (fig. 3) via the "Input Confirmation Code" button and input the verification code sent in the email along with your email address to verify your account and upload images.



The image shows a web page for account verification. At the top, there is a purple header bar with the text "Image Uploader" on the left and "Sign In" and "New User?" on the right. In the center of the page, there is a white rectangular box containing two input fields. The first field is labeled "Enter your email \*" and the second field is labeled "Enter confirmation code \*". Below these fields are two buttons: a purple button labeled "Confirm Account" and a yellow button labeled "Go Back".

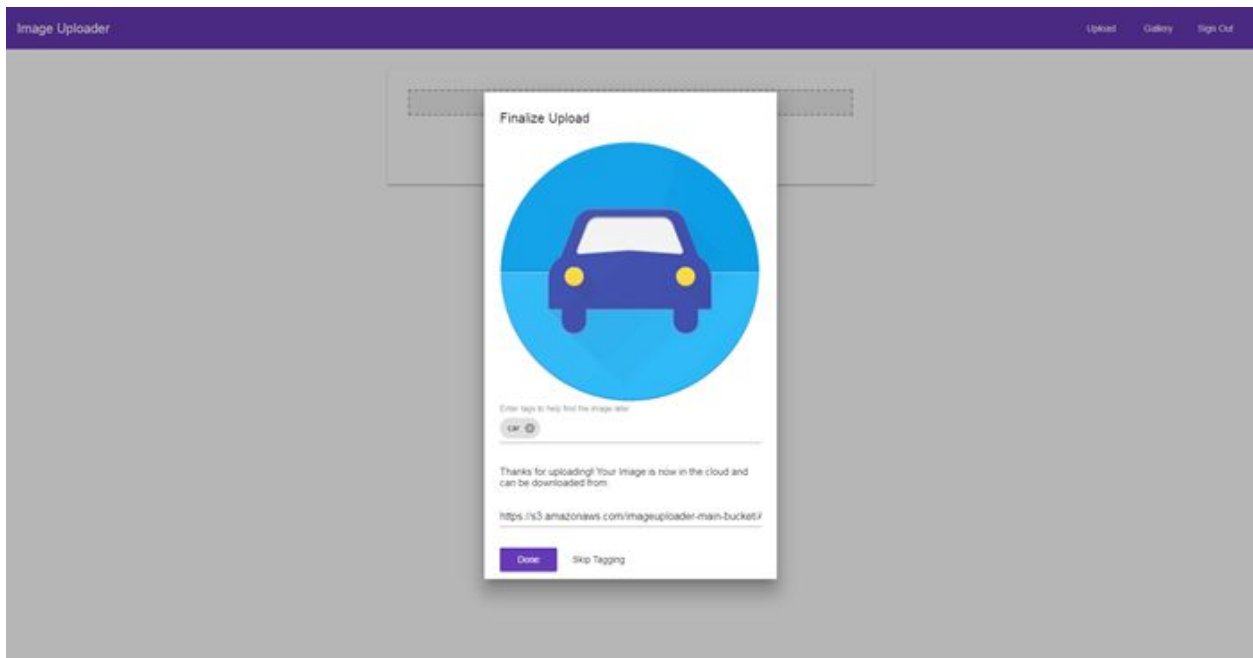
**(fig. 3: Account verification page)**



The image shows a web page for image uploading. At the top, there is a purple header bar with the text "Image Uploader" on the left and "Upload", "Gallery", and "Sign Out" on the right. In the center of the page, there is a white rectangular box. Inside this box, there is a dashed rectangular area with the text "Click or drag images here to upload (png files supported)". Below this area are two buttons: a grey button labeled "Upload Image" and a grey button labeled "Reset Upload Area". At the bottom of the white box, there is a line of text that says "Welcome sjsushiman@gmail.com!".

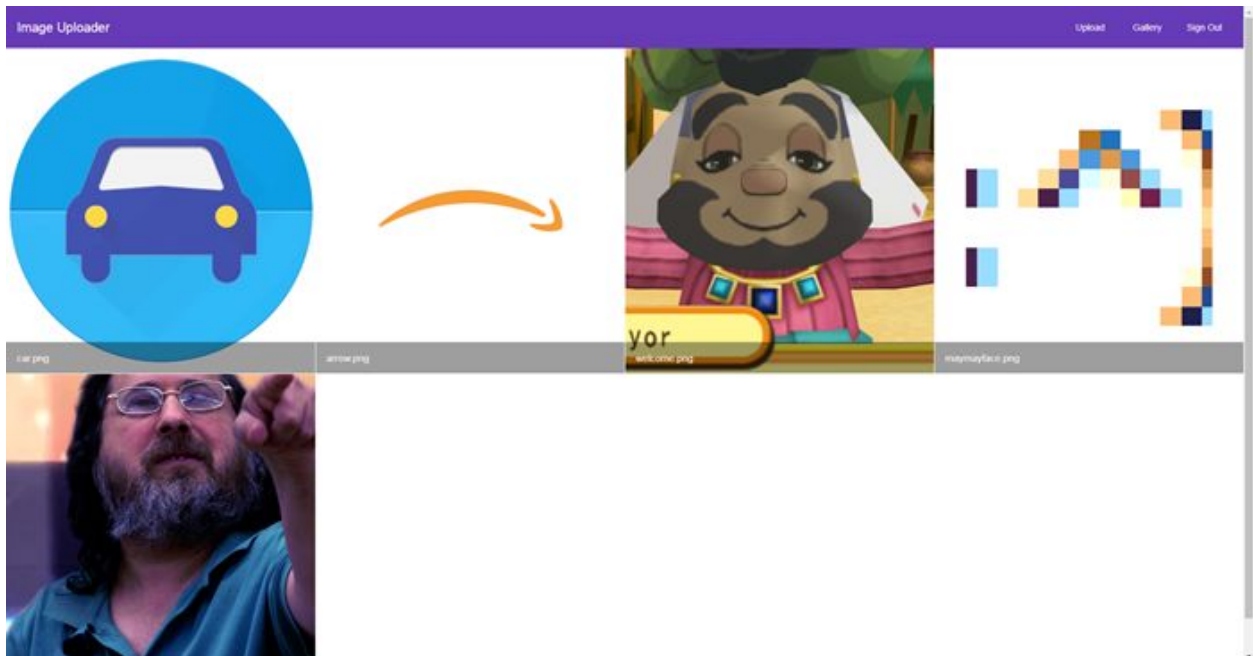
**(fig. 4: Image Upload Page)**

Once you verify your account, you will be taken to the image uploading main page where you can drag and drop, or click to select an image to upload. After an image is selected, you can proceed to the upload or reset the upload area to pick another image.



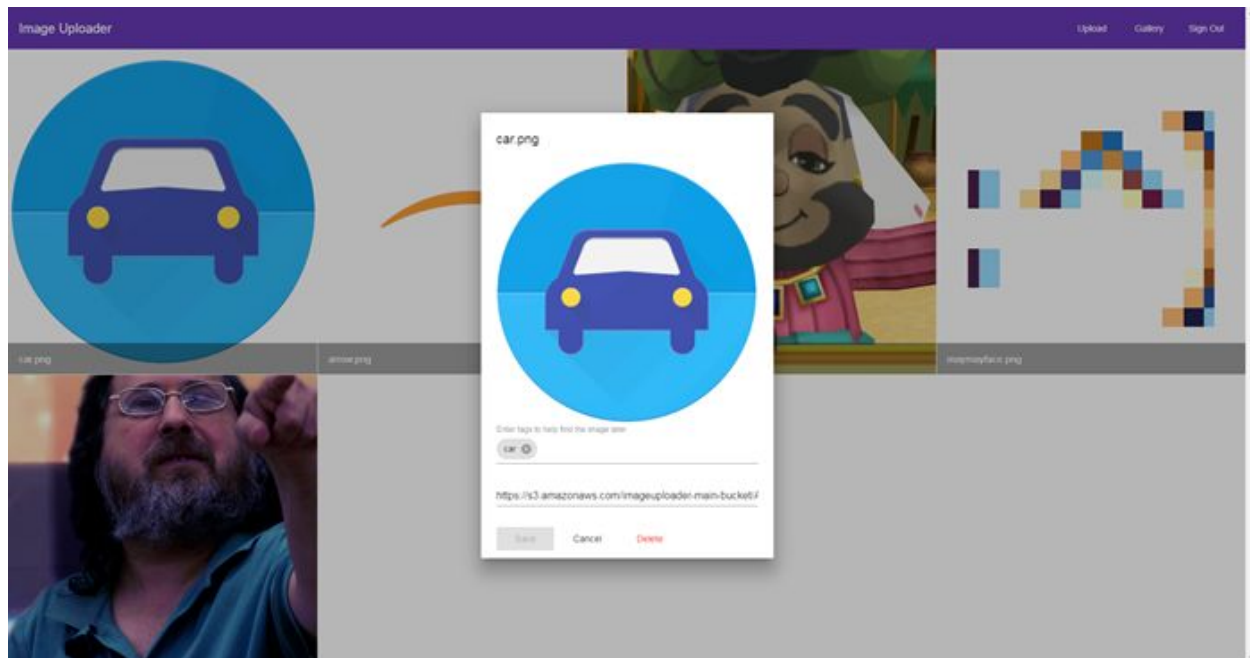
**(fig. 5: Tagging Dialog)**

After clicking the “Upload Image” button (fig. 4) you are taken to the tagging dialog, where you can add tags to help find the image later, and can copy and paste the s3-hosted image URL.



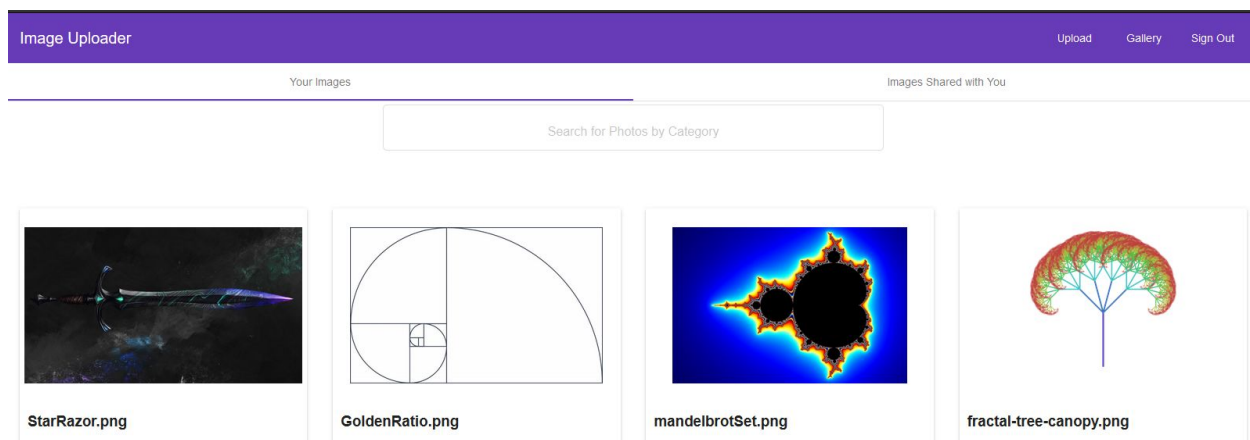
**(fig. 6: The Gallery Page)**

After uploading an image, it will be displayed in the Gallery along with any previously uploaded images. In order to view and edit tags, or copy the s3 hosted url of an already uploaded image, click the image and a dialog will be brought up (fig. 7)



(fig. 7: Edit image tags dialog)

In order to edit tags you simply add to the list of tags already present, and delete tags you no longer need. To save changes, click the “Save” button, to exit the dialog without saving changes, click “Cancel”, and to delete the image from the application, click the “Delete” button.

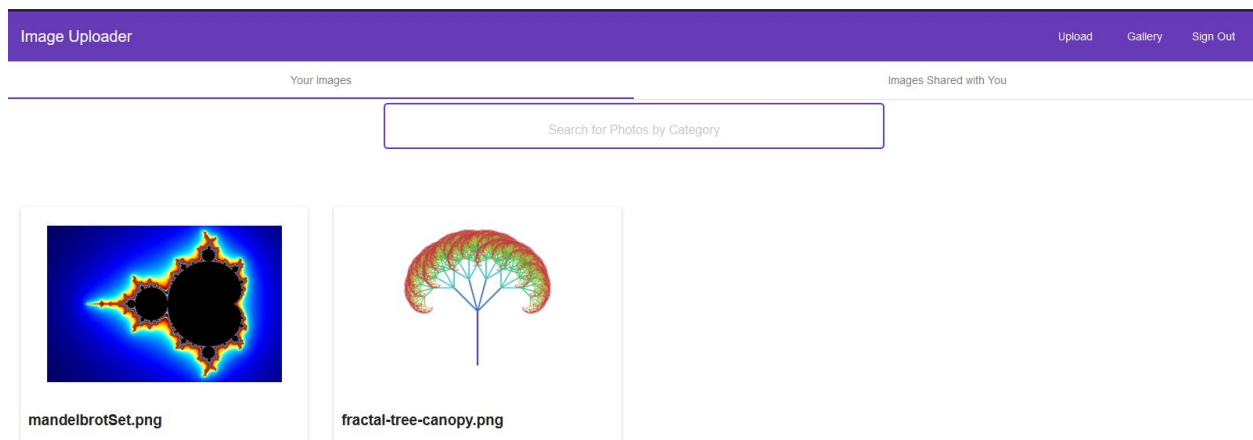
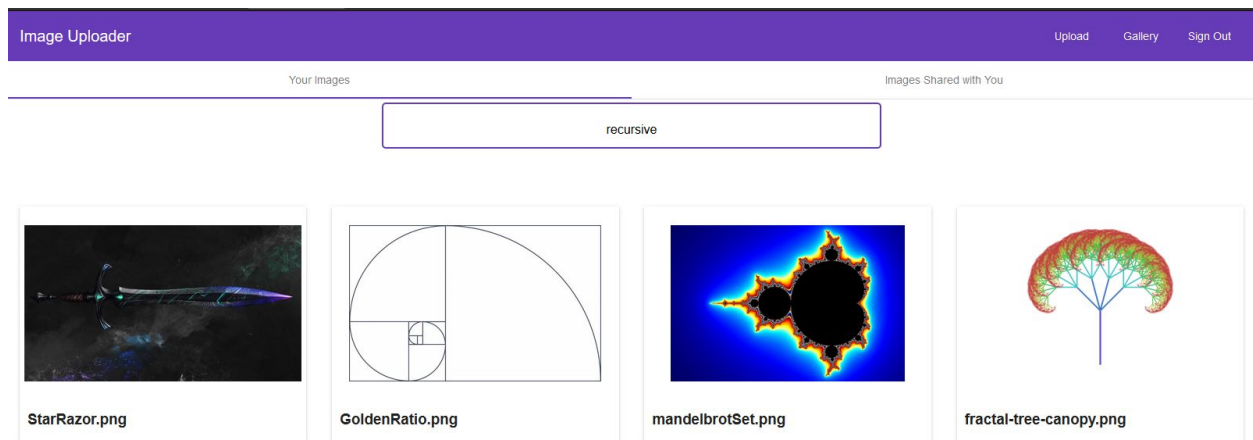


(fig. 8: User's photos)

**(Note: Starting with this screenshot, the user account gallery page is different from above. However, instructions should still apply.)**

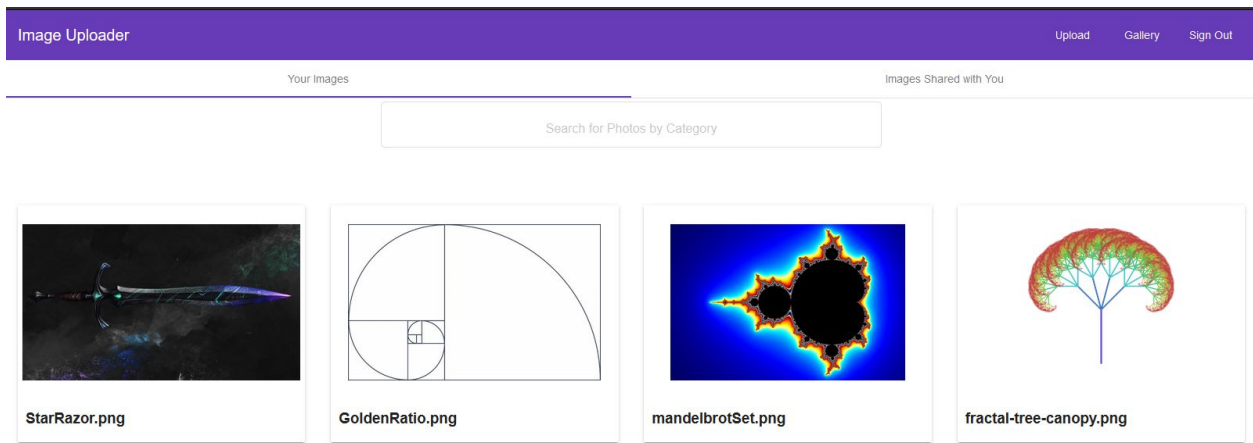
To search for an image by category/tag, type in the keyword you want to find an image by in the “Search for Photos by Category” box.

As of right now, keep in mind that the category the user types in needs to correctly match the spelling of the word used to categorize the image or else the application will not be able to find the image.



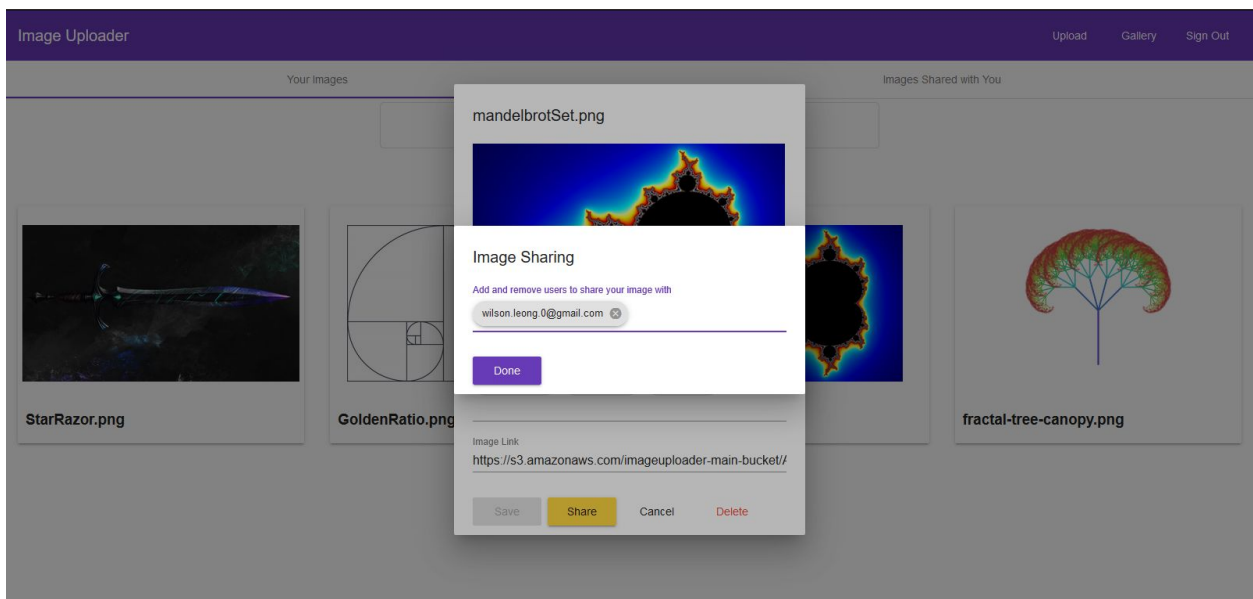
**(fig. 9: Searching for photos by category)**

To see all your images again, click “Upload” on the upper right corner and then “Gallery”.



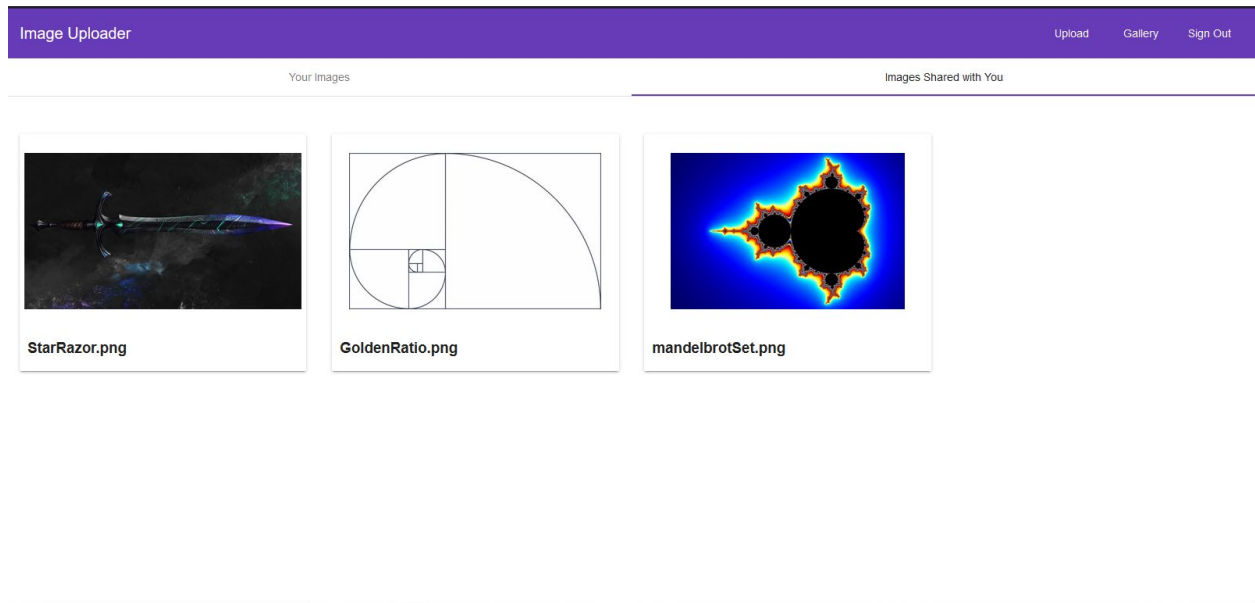
(fig. 10: Seeing all of user's current photos again)

To share an image with another user, click on an image and click “Share”. In the pop-up box that appears, type in the full email address/username of the user(s) you want to share the image with.



(fig. 11: Sharing an image with another user)

To see images shared with you, click on “Images Shared With You” in the “Gallery” page.



(fig. 12: Seeing all images shared with you)

(Note: this is a different account from above screenshots.)