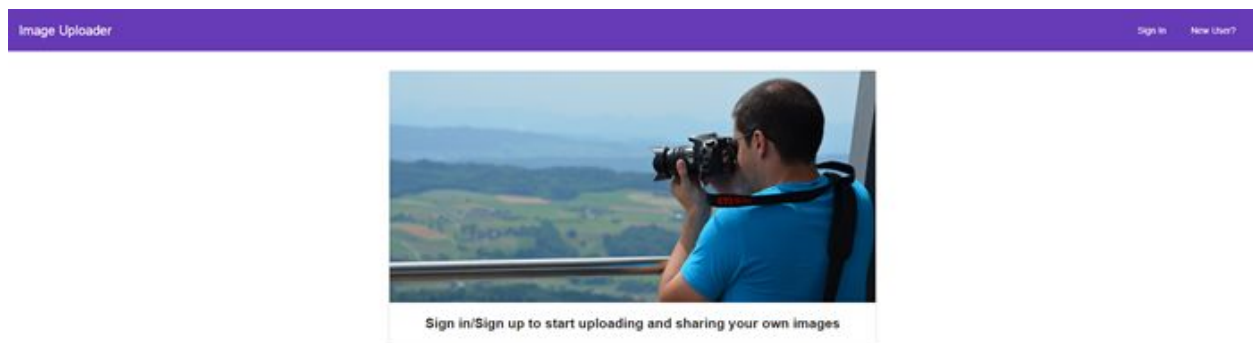


Setting up the project on your local machine

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 sever with the command `npm start`.
6. Congratulations! You should be able to see the project from your browser at `localhost:4200`.

Using the Application:



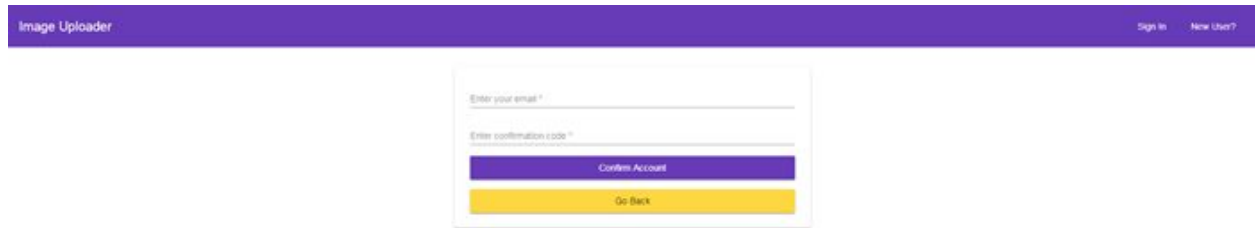
(fig. 1: The splashpage)

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 with a purple header bar. On the left of the header is the text "Image Uploader" and on the right are the links "Sign In" and "New User?". Below the header is a white rectangular sign-up form. The form contains three input fields: "Enter your email", "Enter a password (must be at least 8 characters with at least one number)", and "Reenter your password". Each input field has a small eye icon to its right for toggling visibility. Below the password fields are two buttons: a purple button labeled "Create an Account" and a yellow button labeled "Input Confirmation Code".

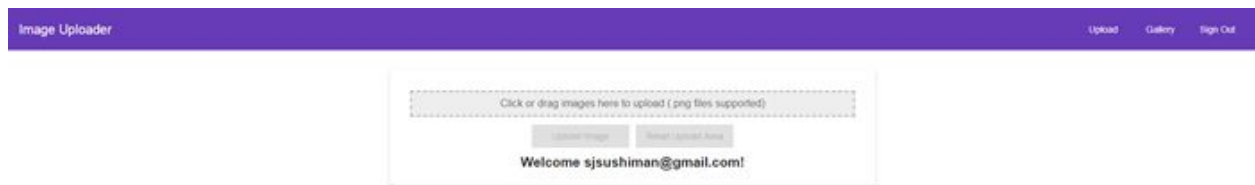
(fig. 2: The sign up page)

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 titled "Image Uploader" with a purple header. In the top right corner of the header, there are links for "Sign In" and "New User?". The main content area is white and contains a centered form for account verification. The form has two input fields: "Enter your email" and "Enter confirmation code". Below these fields are two buttons: a purple "Confirm Account" button and a yellow "Go Back" button.

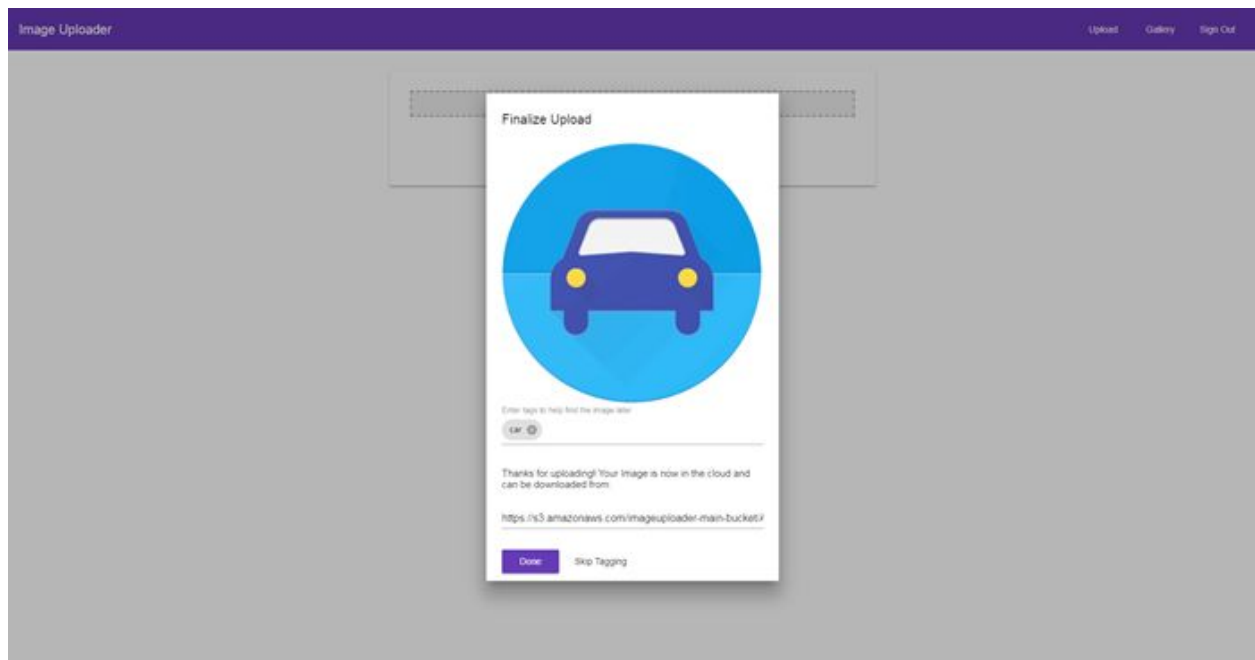
(fig. 3: Account verification page)



The image shows a web page titled "Image Uploader" with a purple header. In the top right corner of the header, there are links for "Upload", "Gallery", and "Sign Out". The main content area is white and contains a centered form for image uploading. The form has a dashed border and contains the text "Click or drag images here to upload (png files supported)". Below this text are two buttons: a grey "Upload Image" button and a grey "Reset Upload Area" button. At the bottom of the form, there is a welcome message: "Welcome sjsushman@gmail.com".

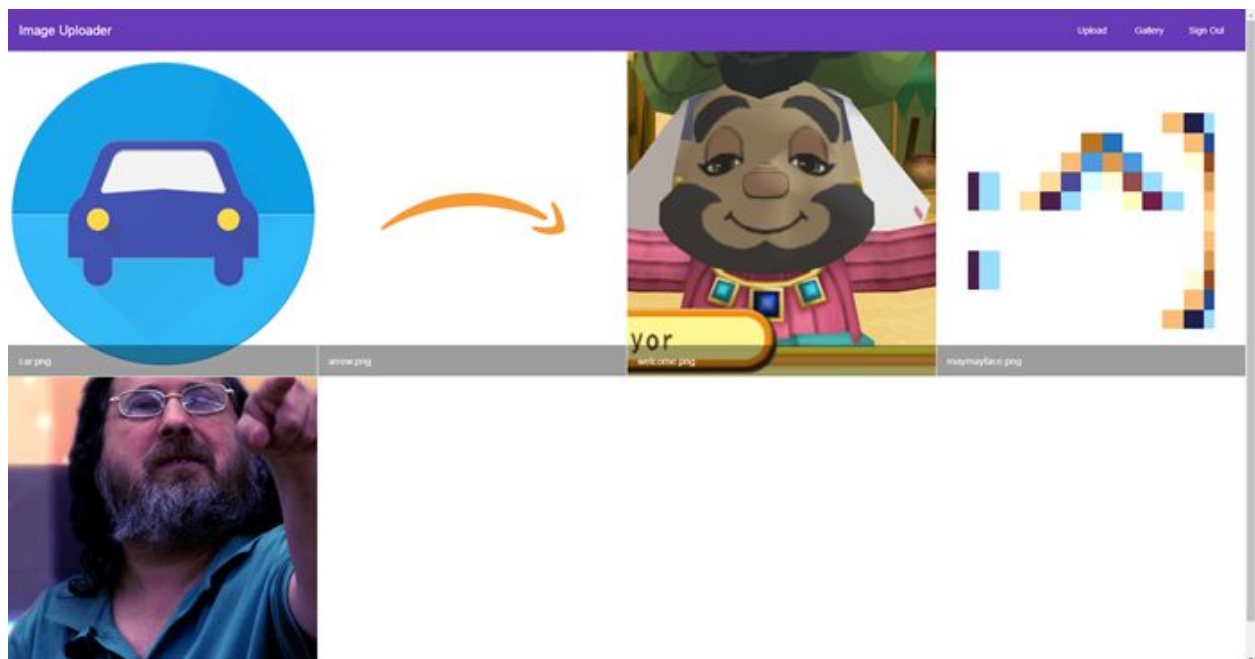
(fig. 4: Image Upload Page)

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.



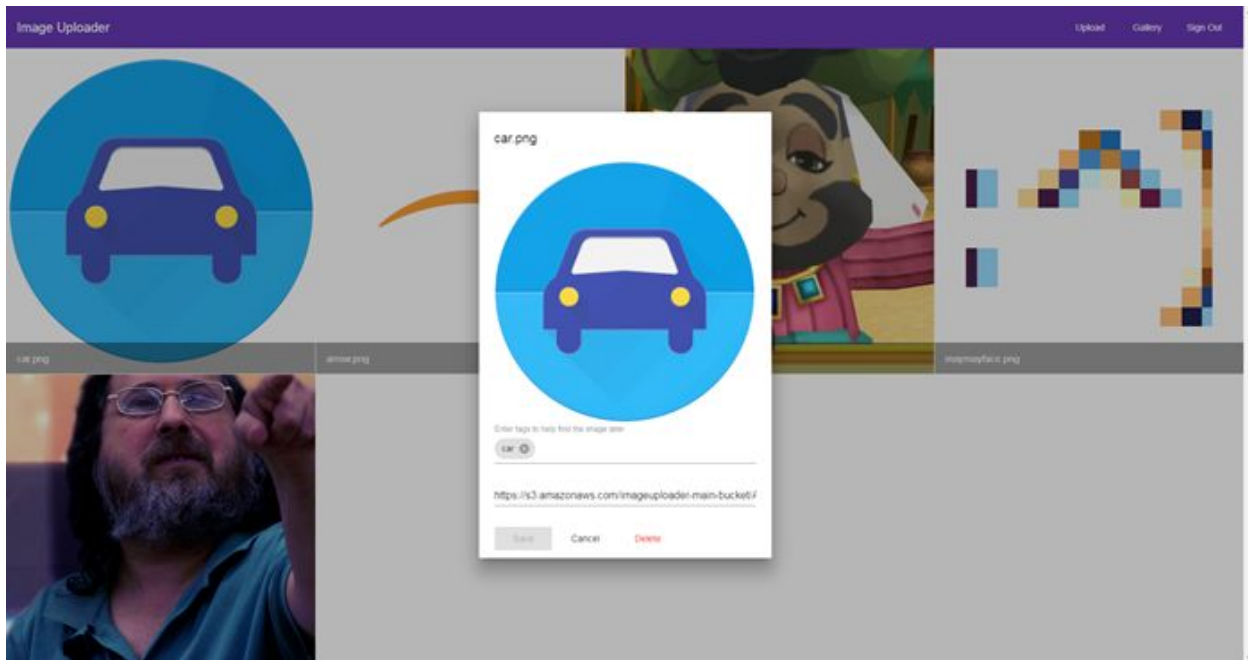
(fig. 5: Tagging Dialog)

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.