

Project Name: Caidid Images

Nombre del Equipo: Cain You Even

Quality Team members: Yuki Chen, Jiaqi Gao, Lawrence Liu, Sebastian Cain

Framework: Bootstrap

What is it?

An auto-tagging image-compressing photo sharing library. Utilizes the Clarifai API to auto-tag photos and the Tinify API to compress them. Users can explore, upload, and search for images by their tags.

Website Appearance

- All images are the same size, but when clicked on, they expand to actual size
- Around 3 pictures per row
- Menu bar with the search bar on the left, register/login/logout on the right
- Can click on a "Random" button at the bottom of the page to generate another page with randomly chosen pictures

Profile

- Everyone can view images uploaded, and use the search bar to search for pictures with desired tags, but only registered users can upload pictures + delete their own
- Each user will have a profile, showing pictures they have uploaded
- Can view other user's profile, and see what he/she has uploaded
- (optional) Have "like" button

Uploading Images

- First users can only upload pictures with links
- Later consider allowing users to upload locally

File Components

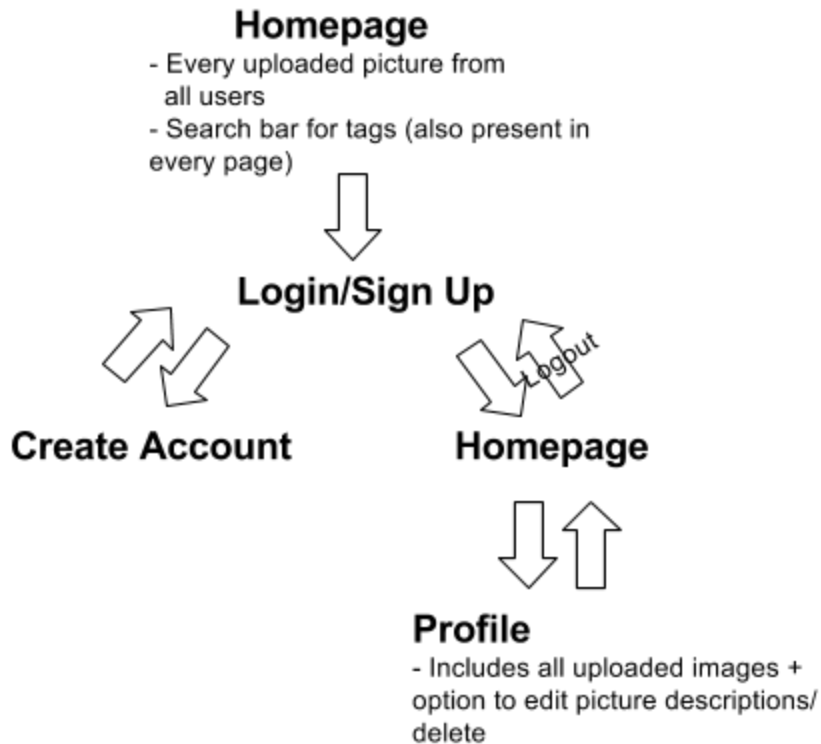
- Python Files
 - app.py- all app routes
 - randomPictures.py- to choose pictures to display on the webpage
 - login.py- (include login logout and register?)
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- HTML
 - login.html (maybe auth.html and jinja for registering/logging in?)
 - home.html
 - profile.html
- Database
 - users.db- usernames, passwords, and userIDs

Username	Password	UserID
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- pics.db- all uploaded pictures and the user that uploaded them

Link to Image	UserID	Tags	Upvotes
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Site Map



APIs

Image Recognition

Flickr API

Roles

Sebastian: Project Manager

Yuki: Front end

Lawrence: Back end scripts

Jiaqi: Database manager