

## General Overview

I want to build an application for a photographer. This site will allow visitors to see a portfolio of publicly shared photos to get an idea of what the photographer is like. Users will be able to request reservations and view their own pictures, after a photoshoot. This will allow the photographer to share their work, and make it easier to stay organized.

## Feature List

### Must have features

- As a user, I should be able to request a reservation.
- As a user, I should be able to create an account and log in.
- As a user, I should be able to see a portfolio of publicly shared photos.
- As a user, I should be able to click on photos to enlarge them.
- As a logged-in user, I should also be able to see my own photos.
- As an admin, I should be able to upload photos to the public portfolio as well as private portfolios.
- As an admin, I should be able to view reservations including contact information.

### Nice to Have Features

- As a user, I should be able to see available time slots for reservation
- As a logged-in user, I should be able to see my current reservations.
- As an admin, I should be able to set times as available or unavailable for reservations.
- As an admin, I should be able to edit or delete reservations.

## Technical Challenges

The big difference between this and previous apps I've done in this class in dealing with pictures. I will have to learn how to display them well. I don't want just a bunch of basic HTML elements, I want a nice animated portfolio where I can click on images and they will enlarge. Images will also require more data to be stored, read, and transmitted. This may become a problem that I will have to overcome.

## Requirements

- 1) I will use React to make my front-end more appealing and interactive.
  - I will use Django to handle the database and authentication.
- 2) There will be separate pages for the public portfolio, private portfolio, creating reservations, and viewing reservations.

- 3) Users will be able to login, which will give them access to their photos and their reservations.
- 4) This app will be useful for photographers.
- 5) I will ensure the design stays consistent and use a pleasing color palette to tie the app together.
- 6) The back-end and database will be critical for authentication, storing and retrieving reservations, and serving the right photos to the right people.