

Group Project Proposal - Group 2

CIS 4930 – Advanced Python

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Proposal:

For our final project, we would like to build a stock photo site entitled: *The Looking Glass*. This site will be built with Python Flask, HTML, CSS, Bootstrap, JavaScript, and a relational database with multiple tables.

Layout Details:

The home page will have a welcome message along with some photos that anyone visiting the site can see. These photos will have a watermark on them. Visitors to the site can create a new account or log in to an existing account. Once logged in, the user can search for photos by the username of the photographer, or by tags (category, subject matter, etc.).

A standard user can download up to 10 photos. A user can upload a photo, along with a title, description, and tags. Once a user uploads a photo, they become a contributor. As a contributor, they can download unlimited photos. A contributor is also entitled to a private page for their own photos that are not accessible by others.

Database Details:

The image database table will have columns for the image ID, title, user ID, and overall rating. The tags database table will have columns for the tag ID, image ID, and tag. The user database table will have columns for the user ID, first name, last name, username, and (hashed) password.

Conclusion:

This project will be completed by the end of the semester, and we will be prepared to present it to the class. We hope you accept this project proposal. Thank you for your consideration.