

INSO 4117  
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Project Proposal

Developers:

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Web Application Description:

The application will be focused on the management of photos uploaded by users, as an online photo album where registered users can store their pictures and share them between users. Each uploaded photo, alongside the image, will have the following information:

- A caption of maximum 255 characters where the user can write some text like on social media posts.
- The date when the photo was uploaded to the application.
- The original owner's name, the user who initially uploaded that photo.
- A list of registered users comments.

Features:

The General idea of the application features are the following:

1. As an unregistered user, the person can visit the app main page and learn about what the app can do for the user and create a new account.

As a registered user, the person...

2. can visit the app main page and login with their username and password.
3. can sequentially scan through their list of photos forward and backward by clicking on right and left buttons respectively.
4. can always look at and edit the information associated with the photos (Add or edit captions).
5. can search for photos by specifying terms or filters (words in caption, photo name, date, location, or owner)

6. can share their photos with other registered users and post photos with specific tags the user desires.
7. can browse through all the photos shared with them and add any of them to their list of photos.

Languages and Frameworks to be used:

Frontend: AngularJS/JavaScript

Backend: Flask Framework/Pythonw

Relational Database: PostgreSQL

Test Plan Approach:

The Application Development will be a test-driven development in both ends of the application. The tests will be implemented before the functionality implementation.