Project 3 Rationale

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1. Provide your login username and password

Login username: lily

Password: mypassword

2. Explain your aesthetic design choices (e.g. color, layout, navigation, theme)

Theme: this website is to collect my photos in USA. It's my private photo gallery so it need to log in to edit albums or photos.

Color: To make the website look more uniformed and concise, I choose grey, and white to be the main color of this website.

Layout: The index page is just a big plane which this the one I took when I first came to Ithaca. This indicated the start of my life in America. After clicking 'open the album' in index page, I can see the album page, which lists all the album in this website. Each album is designed as a book-like album. Clicking an album will go to image page, which displays all photos in that album.

Navigation: To make the navigation easy to find and use, I make the navigation bar at the top of each page. To make it become uniformed with the whole design style. I also use grey as its main color.

3. **Explain the functionality design choices (e.g. how pages are implemented clearly, where functionality is placed, additional functionality added)**

Navigation bar: In the nav bar, I implemented a search box to facilitate the search function for all the user. In the search result page, "Albums Search Result" and "Image Search Result" will be displayed separately.

Album page: in this page, you can see all the albums in this website. If you log in, the edit link will appear so that you can edit any album. Also, when logging in, an 'add album' button will appear that allow you to add new album.

Edit album page: in this page, you can delete the album or edit it. You can only access this page if you log in.

All photo page: in this page, you can see all see all the images in this website. "Images not in any album" and "Images in album" will be displayed separately. If you log in, the edit link will appear so that you can edit any image. Click on any image then you can go to the image detail page, which show the detail of each photo. You can also access to the photos in a specific album if you click that album.

Edit image page: in this page, you can delete the image or edit it. You can only access this page if you log in.

Upload photo page: in this page, you can upload a photo and add it in some albums. You can only access this page if you log in.

Log in page: display a log in form for user.

Log out page: allow user to log out.

4. **Explain improvements from milestone feedback (either how feedback was implemented or why it was not)**

- **Milestone 1 feedback:** TA said that "No need for the ImageWhereID field in the ImageWhere table. I cannot think of an instance where you would need to know the ID of a specific row in that table. That table should just have the other two fields with no primary key."

  Improvement: I delete the field "ImageWhereID" and now the "ImageWhere table" is look like this:

Name	Type	Size	Allow null	Primary key
ImageID	int		false	false
AlbumID	int		false	false

- **Milestone 2 feedback**: TA said that "It was not intuitive that I had to click the 'update' button after adding an album name. For milestone 3, have it just update after pressing 'create.'"

  Improvement: I deleted the button 'update'. Now the album can just update after pressing 'create'.

5. Explain any WOW features you implemented

- A means to display images not in any album (you can find them in "ALL PHOTO" page under "Images not in any album").

- Allowing an image to be added to or removed from albums when editing the image

- Allowing images to be added to or removed from album when editing the album

- Image resizing and management of multiple images sizes (thumbnails in list view and full size images in detail view)