CS 2300 - Project 3

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1 Relational Schema

Table 1: Image

name	type	size	allow null	primary key
image_id	int	11	No	TRUE
owner_id	int	11	No	FALSE
date_taken	datetime		No	FALSE
URL	varchar	255	No	FALSE
caption	text		Yes	FALSE

Table 2: Album

name	type	size	allow null	primary key
album_id	int	11	No	TRUE
title	varchar	50	No	FALSE
owner_id	int	11	No	FALSE
cover_image_id	int	11	Yes	FALSE
description	varchar	255	No	FALSE
date_created	datetime		No	FALSE
date_last_modified	datetime		Yes	FALSE

Table 3: User

name	type	size	allow null	primary key
user_id	int	11	No	TRUE
username	varchar	50	No	FALSE

Table 3: User

name	type	size	allow null	primary key
hashpassword	varchar	64	No	FALSE
name	varchar	50	No	FALSE

Table 4: Relation

name	type	size	allow null	primary key
relation_id	int	11	No	TRUE
image_id	int	11	No	FALSE
album_id	int	11	No	FALSE

2 Design Rationale

2.1 Login

Username: zzv2
Password: 1234567890

2.2 Aesthetic Design Choices

This image gallery will be used to host professional pictures of me and my CS projects, so I want to reflect the coding aspect in the look and feel of my design. I decided to use a black background because it adds more contrast to the text and most people associate black backgrounds with computer consoles or terminals. I also wanted the website to feel sleek and modern, just like the iOS and Android operating systems which is why I Incorporated large icons and a css flip for interaction.

2.3 Improvements

In milestone 2, I didn't have the image upload working quite right because there were issues with the resize image function and reading the exif data. Those issues are now fixed.

2.4 Functionality

2.4.1 Main Pages:

Home Page: index.php Show Albums: view_albums.php Show Images: view_images.php
Adding: add_album.php and add_image.php Search: search.php

2.4.2 Where is functionality?

Add a new album: add_album.php
Add a new image to an album: add_image.php
Images uploaded to the server: add_image.php
Update album/image information: add_album.php?album_id= OR add_image.php?image_id=
Forms only visible to a single administrative user: index.php at the bottom
Form to search: search.php

2.5 WOW

All menus and forms generated dynamically with php