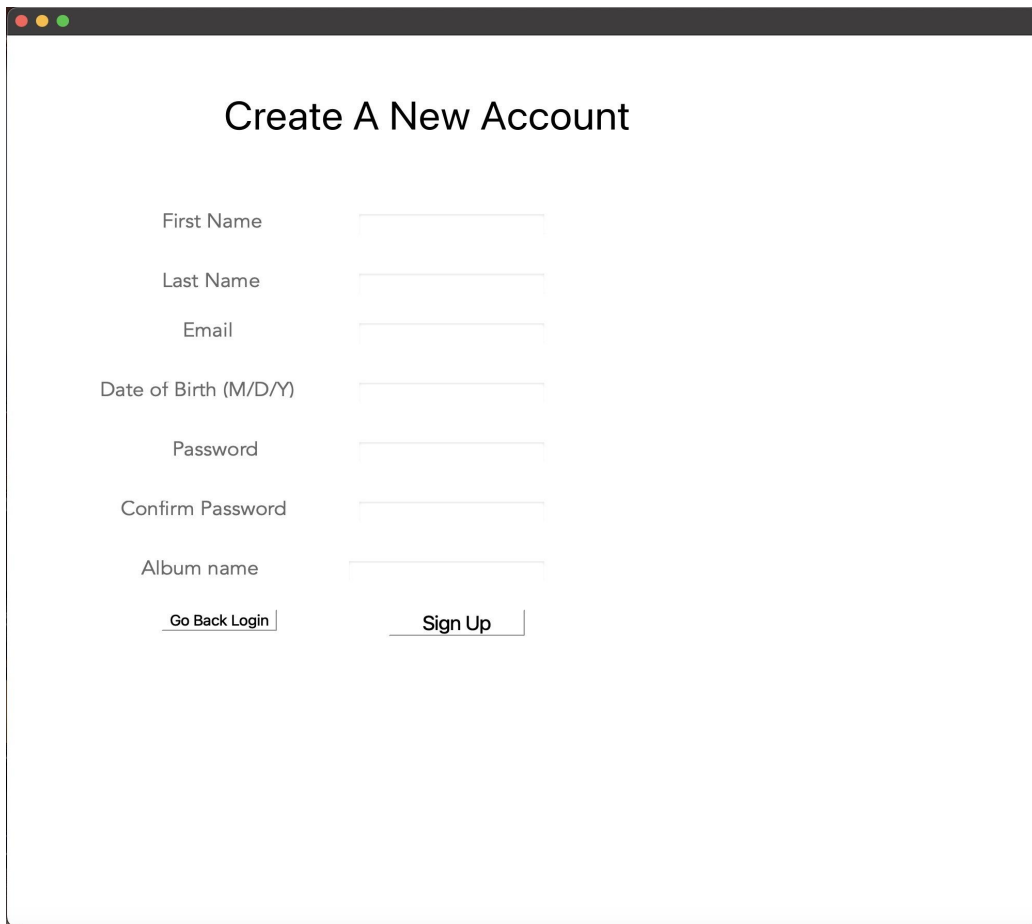


User Cases

User Management

Becoming a registered user



The screenshot shows a web browser window with a dark title bar. The page content is a form titled "Create A New Account" in a large, bold, black font. Below the title, there are seven input fields, each with a label to its left: "First Name", "Last Name", "Email", "Date of Birth (M/D/Y)", "Password", "Confirm Password", and "Album name". Each label is in a small, gray font. The input fields are white with a light gray border. At the bottom of the form, there are two buttons: "Go Back Login" on the left and "Sign Up" on the right. Both buttons have a thin gray border and are underlined.

Create A New Account

First Name

Last Name

Email

Date of Birth (M/D/Y)

Password

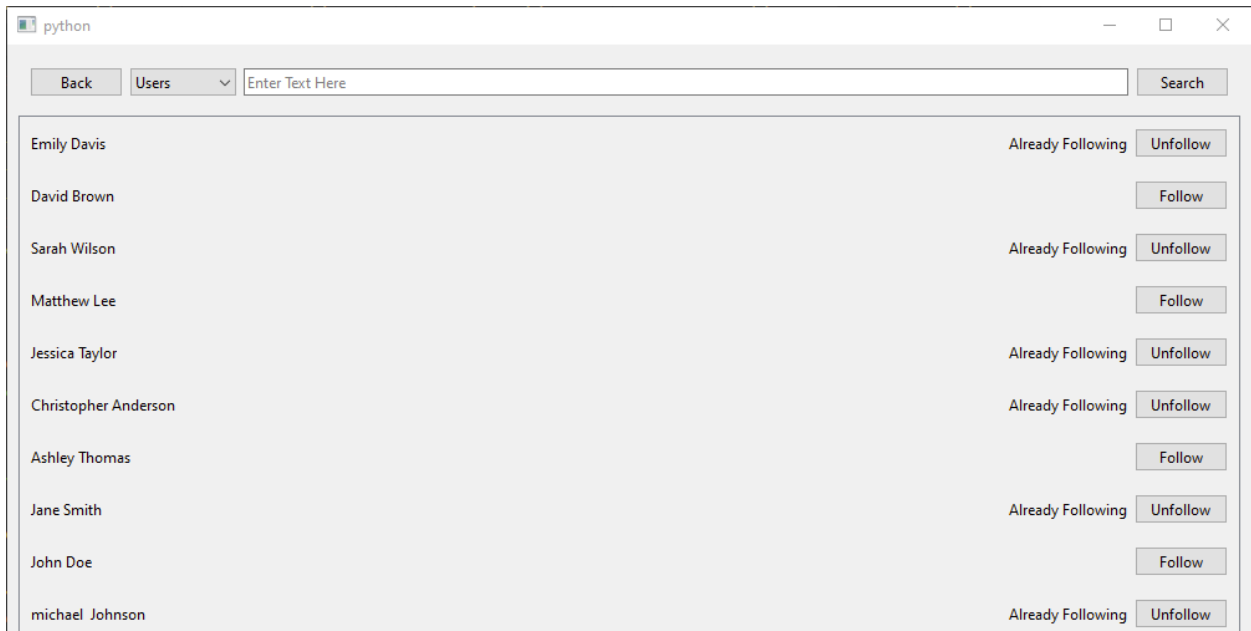
Confirm Password

Album name

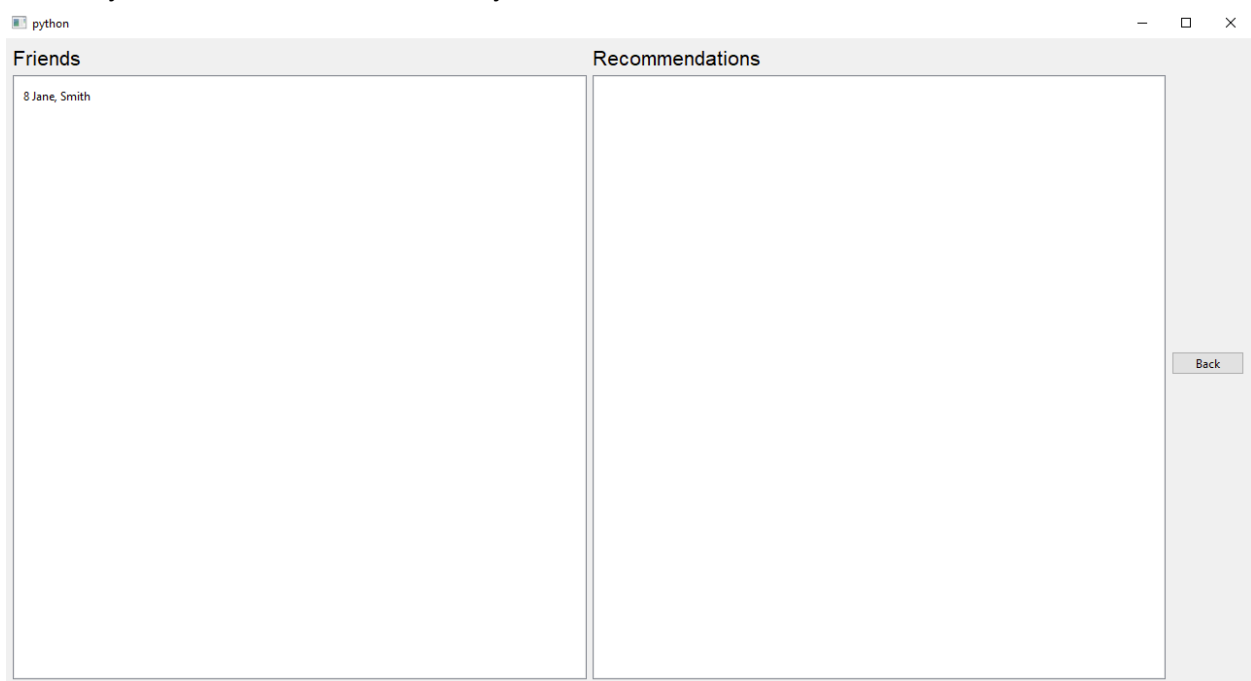
Go Back Login Sign Up

The user can register to the system with their first name, last name, email, DOB and create a new album if they are a new user. The password will be hashed using sha256 in the database. The system will send a message if the email already exists in the database and only ensures new users can create an account.

Adding the listing friends



In the search window in between the back button and search bar, the user can select three options: Users, Tags, and Comments. To search for users, the users must be selected. The user can type the name of the user and click on the search button to find the user. The window will already populate some users. There are buttons next to the users where the user can follow/friend if they aren't haven't already done so. If they have already followed/friended them, then they can unfriend the users if they want.



The user can click on the friends list button on the main screen to see all the current users they are friends with.

User Activity

Top 10 Contributors					
1.	michael Johnson	1	6.	Jessica Taylor	1
2.	John Doe	1	7.	Matthew Lee	1
3.	Jane Smith	1	8.	Sarah Wilson	1
4.	Ashley Thomas	1	9.	David Brown	1
5.	Christopher Anderson	1	10.	Emily Davis	1

This is the contribution table that rewards users based on their activity. It will add the number of comments or photos they have contributed to the application and list them out as a ranking. It will list the top 10.

Logging In/Out

Welcome Back!

My Account

Email

Password

Login

Dont have an account?

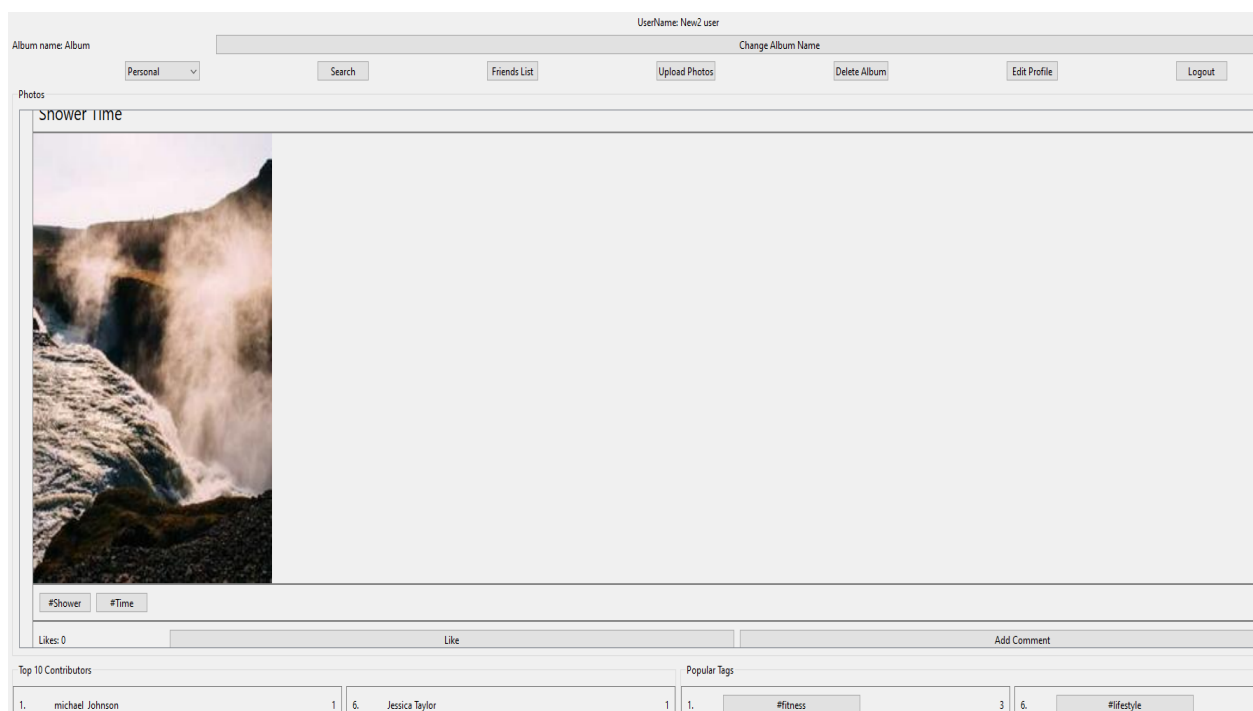
[Create an Account](#)

The user can log in to their account using their email address and password. The password is hashed in the database and the login page securely allows you to log in

Album and photo management

Photo and album browsing

The user will start out with a default “Album”, but has the ability to change the name. Right now the user just uploaded one photo the album and we can see that the caption, tags, likes and comments are showing for this photo.



In the main screen we can view the personal album of the user and all photos of all users. The drop down button allows us to toggle between “All” and “Personal”. Here we can see the “All” function where the user can browse all photos.

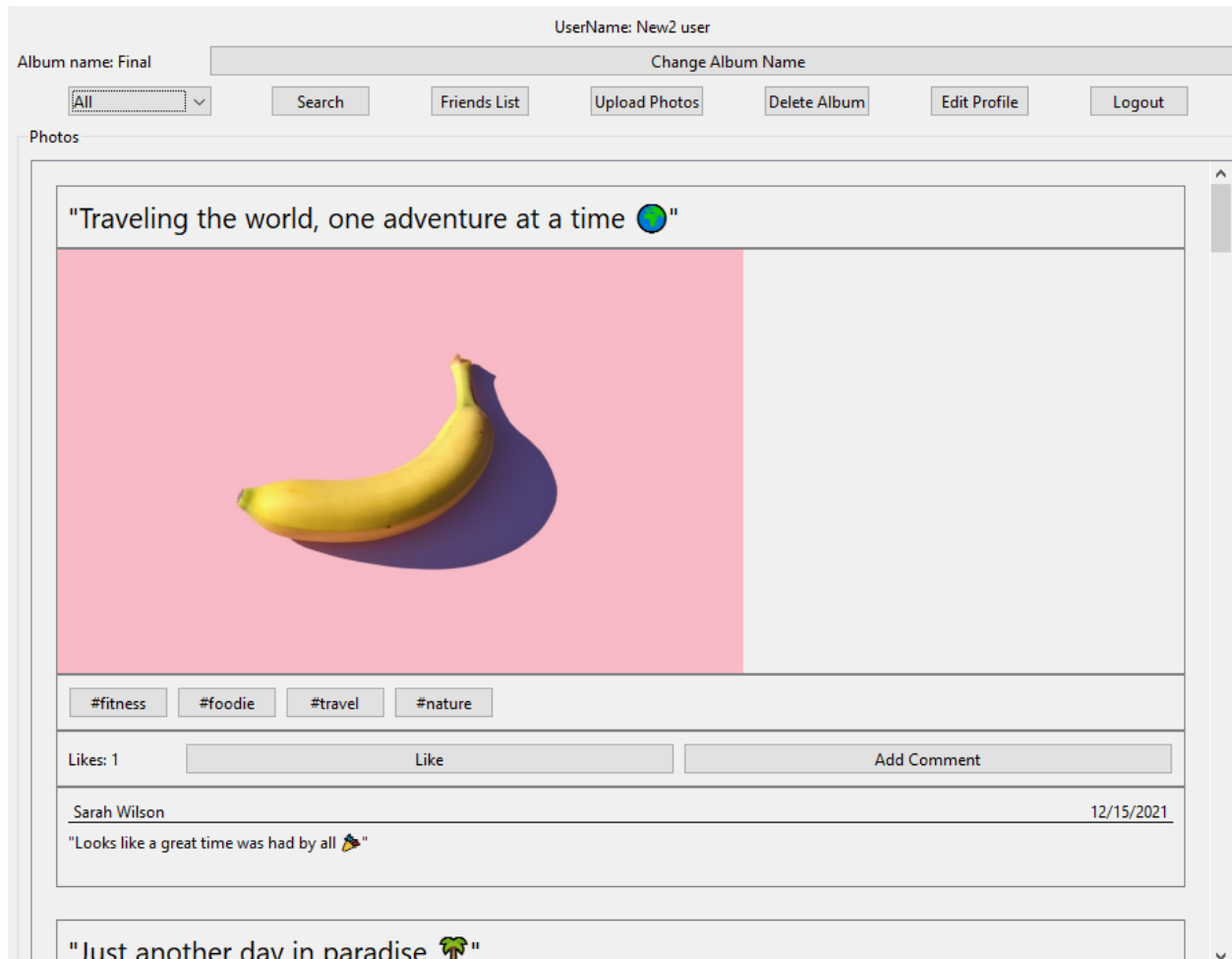
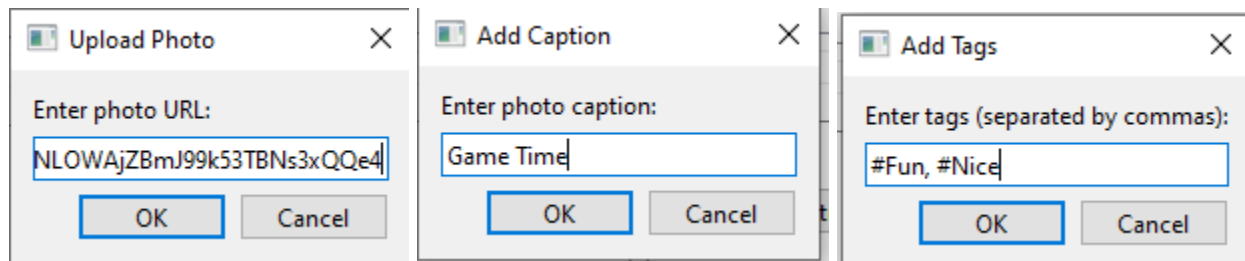


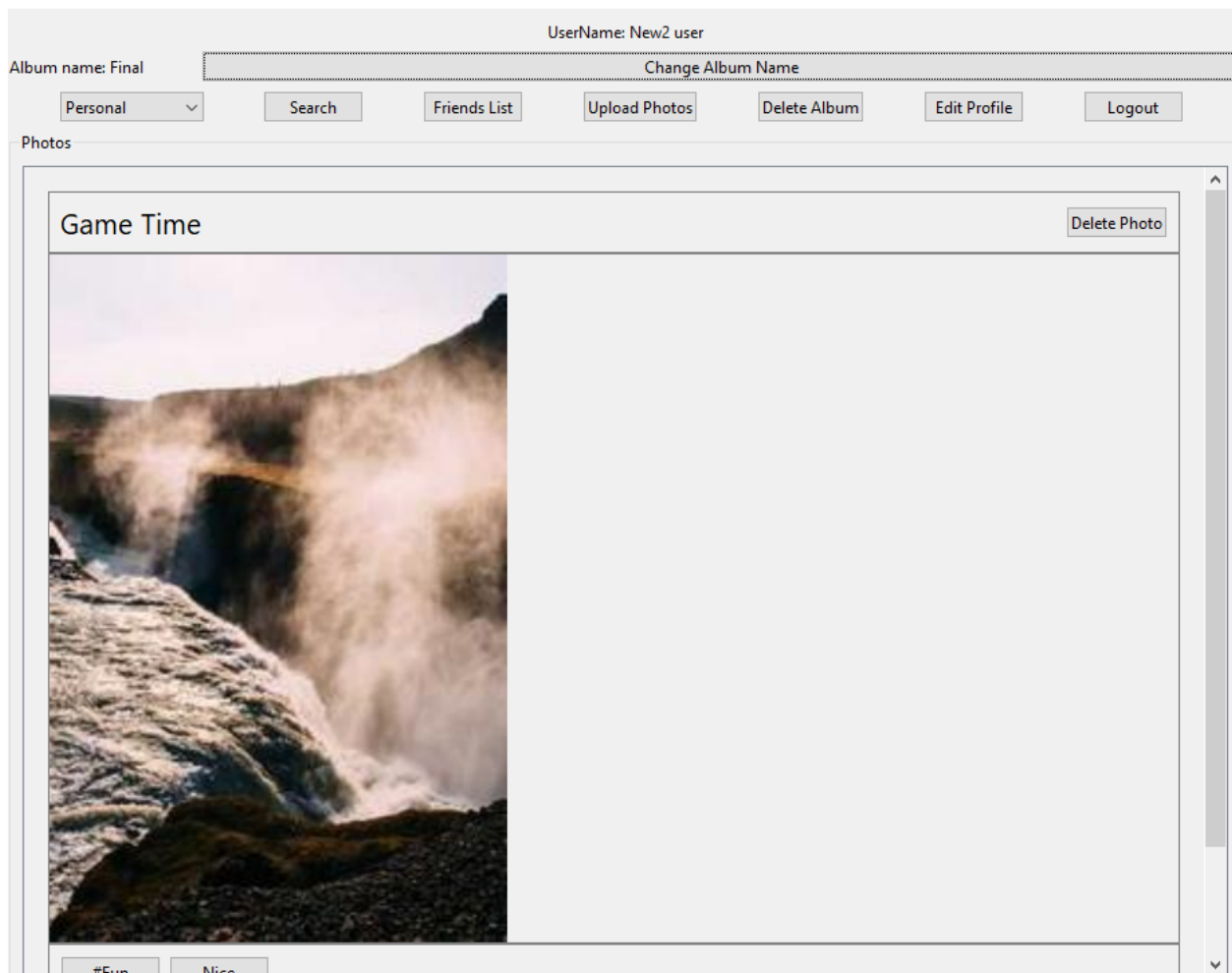
Photo and album creating

The user can click on the Upload Photos button in the main screen to enter in a URL for their photo, caption and tags. Here we have also changed the album name with the “change album name” button.



The image shows three overlapping dialog boxes from a web application. The first dialog, titled "Upload Photo", has a text input field containing a long alphanumeric string "NLOWAjZBmJ99k53TBNs3xQQe4" and "OK" and "Cancel" buttons. The second dialog, titled "Add Caption", has a text input field containing "Game Time" and "OK" and "Cancel" buttons. The third dialog, titled "Add Tags", has a text input field containing "#Fun, #Nice" and "OK" and "Cancel" buttons.

The photo will be saved to their “Final” album.




Tag management

Viewing all photos by tag name

Photos with tag '#fitness'

"Traveling the world, one adventure at a time 🌍"



#fitness

#foodie

#travel

#nature

Likes: 1

Like


Add Comment

Sarah Wilson

12/15/2021

"Looks like a great time was had by all 🎉"

"Life is better at the beach 🌊"



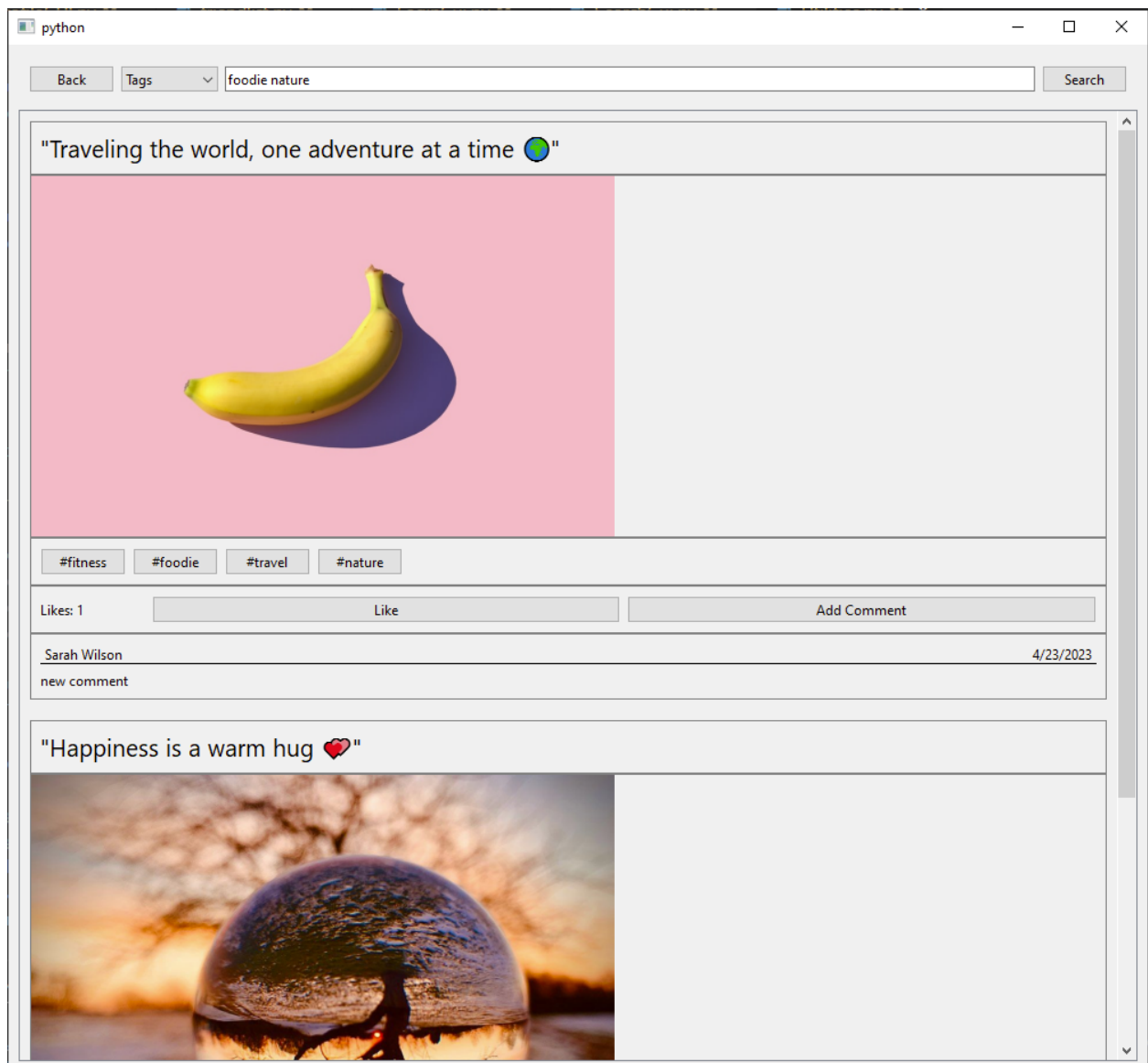
Once you click the tags in the main window, this window will pop, it will show all the photos with the tag just clicked. And users could like and comment on the photos in this window.

Viewing the most popular tags

Popular Tags		
1.	#fitness	3
2.	#foodie	3
3.	#travel	3
4.	#art	2
5.	#fashion	2
6.	#lifestyle	2
7.	#nature	2
8.	#photography	2
9.	#music	1
10.	#tech	1

In the main screen on the bottom right corner, shows the top ten most popular tags.

Photo search



The drop down menu must first be selected as Tags to search for photos. Users can search for photos based on the tags that the photos contain. To search for a photo, the # is not needed as part of the search. The user can search for specific tags where photos containing only those tags will exist. Each of the searched tags are separated by an empty space.

Comments

Leaving comments and Like functionality

"Traveling the world, one adventure at a time 🌍"



#fitness #foodie #travel #nature

Likes: 1 Like Add Comment

Sarah Wilson 4/23/2023

new comment

In each photo, there is a like button that will allow the user to like and unlike the post, and a comment button to give a comment to the photo. The comment button will be replaced with an uncomments button if there exists a comment.

Search on comments

python

Back Comments What Search

Christopher Anderson Already Following Unfollow

The drop down menu must first be selected as Comments to search for Comments. The user can provide a string of text and it will display the comment's owner's name that matches that text.

Recommendations

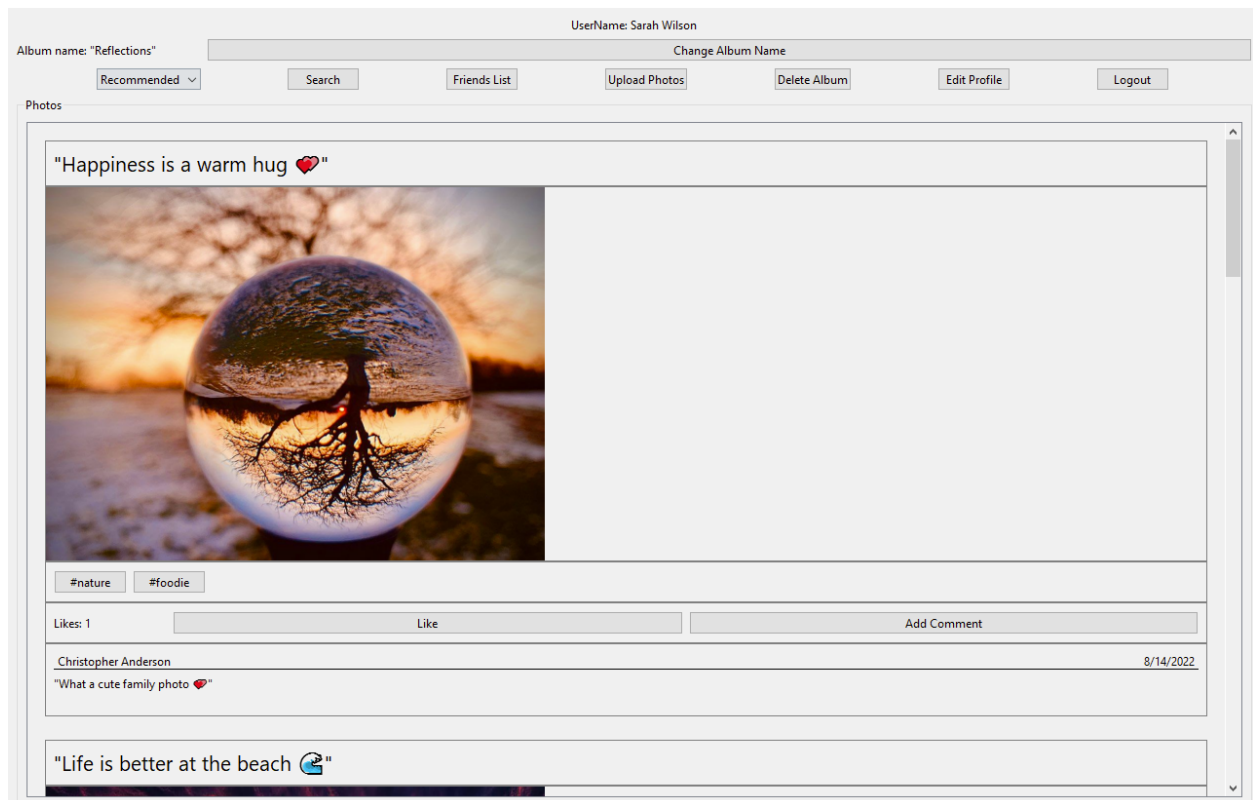
Friend recommendation

Friends	Recommendations
1 Emily, Davis	9 Doe, John <button>Add Friend</button>
2 David, Brown	
10 michael , Johnson	

Back

Friends list page will show your current friends and friends recommendations, once you click the “add friend” button, it will add the user in recommendation list to the friends list. And you could click the back button to go back to the main window.

You-may-also-like' functionality



On the drop down menu, if the user selects the recommended option, the main screen will provide a series of photos related to the tags that the user has posted with ones with the most commonly used tags to the least commonly used.

User profile

Make change to profile

First Name:

Last Name:


Date of Birth:

Home Town:

Email:

Password:

Gender:

 **Your profile has been saved.**

You could click the test box and change things you want to change, then click “save” button to save the changes, noting that email address cannot be changed

Reset profile

First Name:

Last Name:

Date of Birth:

4/23/23

Home Town:

Email:

test5

Password:

Gender:

male

Save

Reset

Back

!











Your profile has been reset.

OK











After you click the reset button, all the attributes(except email and date of birth) will be set to empty and data of birth will be set to the current date. You can always click the “back” button to go back to the main window, this will not save any changes.

Tables in Database

Users

pid	  	aid	  	caption	 	data	 
Search column...		Search column...		Search column...		Search column...	
1	1256		1245786	"Traveling the world, ...		"https://images.unspl...	
2	1343		6543210	"Just another day in ...		"https://www.planet...	
3	1569		1245786	Cool Car		"https://imageio.forb...	
4	2132		2468103	"Life is better at the ...		"https://cdn.pixabay....	
5	2135		7890123	"Happiness is a warm...		"https://ichef.bbci.co....	
6	2345		5678901	"Making memories w...		"https://images.unspl...	
7	3153		9876543	"Grinning from ear to...		"https://media.istock...	
8	3727		9876544	School		"https://www.brookin...	
9	4372		4567890	"Life is short, buy the...		"https://www.planet...	
10	4627		9876544	New Computer		"https://cdn.thewirec...	
11	4757		3216549	"Making the most of ...		"https://images.unspl...	
12	6268		9876549	APple		"https://www.applesf...	
13	6972		9876548	Rocket		"https://media.cnn.co...	
14	7248		1023456	"Always exploring an...		"https://www.planet...	
15	8226		6789012	"Love is in the air ❤️"		"https://i.pinimg.com...	

Albums

	aid   	aname  	uid   	date  
	Search column...	Search column...	Search column...	Search column...
1	1023456	"Treasures"	9	5/31/2022
2	1245786	"Reflections"	3	6/23/2022
3	2468103	"Moments"	2	4/15/2022
4	3216549	"Discoveries"	7	8/1/2022
5	4567890	"Journeys"	8	11/20/2022
6	5678901	"Memories"	1	1/2/2022
7	6543210	"Visions"	5	12/12/2022
8	6789012	"Milestones"	10	2/17/2022
9	7890123	"Adventures"	6	3/4/2022
10	9876543	"Dreams"	4	9/10/2022
11	9876544	Album	13	04/21/2023
12	9876545	5	14	04/23/2023
13	9876546	TEst1	15	04/23/2023
14	9876547	Final	16	04/23/2023
15	9876548	New Album	17	04/23/2023
16	9876549	ian	18	04/23/2023

Tags

	tag	pid
	<div><div><div></div><div>Search column...</div></div><div><div></div><div></div></div></div>	<div><div><div></div><div>Search column...</div></div><div><div></div><div></div></div></div>
1	#foodie	2345
2	#travel	2132
3	#fitness	1256
4	#music	3153
5	#fashion	1343
6	#nature	2135
7	#art	4757
8	#photography	4372
9	#tech	7258
10	#lifestyle	8226
11	#photography	2345
12	#lifestyle	2345
13	#fitness	2132
14	#foodie	1256
15	#travel	1256
16	#nature	1256
17	#fashion	3153
18	#art	1343
19	#foodie	2135
20	#travel	4757

21	#fitness	8226
22	#Class	6271
23	#Class	9537
24	#Fun	819
25	#foodie	5094
26	#Class	9013
27	#foodie	6972
28	#art	6268
29	#nature	6268
30	#School	3727
31	#Education	3727
32	#Computer	4627
33	#Car	1569
34	#fashion	1569











Comments

	cid		pid		uid		comment		date
	Search column...		Search column...		Search column...		Search column...		Search column...
1		14836		1256		3	"Looks like a great ti...		12/15/2021
2		25381		2135		6	"What a cute family p...		8/14/2022
3		34287		2345		1	"Beautiful picture! 🥰"		1/4/2023
4		45980		4757		7	"Looks like an amazin...		11/7/2021
5		52716		7248		9	"This photo brings ba...		7/5/2022
6		61439		8226		10	"Simply gorgeous 🌸"		1/10/2021
7		68239		3153		4	"Stunning scenery! ...		5/20/2023
8		71395		1343		5	"Love the colors in th...		3/2/2021
9		83271		4372		8	"Such a beautiful mo...		2/1/2023
10		90562		2132		2	"Such a fun memory!...		9/6/2022
11		90563		2135		18	Water		4/23/2023
12		90564		1256		18	Bannana		4/23/2023
13		90565		3727		13	Going Back To School!		4/23/2023
14		90566		6268		13	I Love APples		4/23/2023
15		90567		3153		13	So Cool!		4/23/2023
16		90568		2345		13	Lovely Flowers!		4/23/2023

Likes

pid		uid	
Search column...		Search column...	
1	2345	1	
2	2132	2	
3	1256	3	
4	3153	4	
5	1343	5	
6	2135	6	
7	4757	7	
8	4372	8	
9	7248	9	
10	8226	10	
11	3727	13	
12	6268	13	
13	2345	13	
14	2135	13	
15	7248	13	
16	8226	13	
17	4627	13	

Friends

	uid		fuid		fdate
	   		   		 
	Search column...		Search column...		Search column...
1		1		10	6/5/2022
2		2		9	12/13/2022
3		3		8	8/24/2022
4		4		7	3/1/2022
5		5		6	9/16/2022
6		6		5	11/30/2022
7		7		4	4/12/2022
8		8		3	7/19/2022
9		9		2	5/27/2022
10		10		1	10/2/2022
11		13		1	4/22/2023
12		13		11	4/22/2023
13		13		10	2023-04-22
14		14		1	4/23/2023
15		14		10	2023-04-23
16		14		2	4/23/2023
17		16		1	4/23/2023
18		16		7	4/23/2023
19		16		14	4/23/2023
20		16		10	2023-04-23
21		17		8	4/23/2023
22		17		2	4/23/2023
23		17		3	2023-04-23