

CONSTRAINTS

1. COMMENTS

- a. Each user can make more than 1 comment
- b. Every comment belongs to one user
- c. A comment belongs to only one photo
- d. A photo could have multiple comments

2. PHOTOS

- a. Every photo can have as many tags, including 0
- b. A tag belongs to at least one Photo.
- c. A photo belongs to just one album

3. ALBUMS

- a. A user can have multiple albums
- b. An album belongs only to one user

4. FRIENDS

- a. Every user can have multiple friends

5. TAG

- a. A tag name is unique

INCOMPLETE FUNCTIONS

1. Existing Functions

- a. upload
 - i. Asks the user to upload a photo with a caption
- b. uploadtoalbum
 - i. Asks the user to upload a photo into an album with a caption
- c. addfriend
 - i. Asks the user to add a friend using the friend's email
 - 1. The friend must be a registered user
- d. createalbum
 - i. Asks the user to create an album, entering the album name and the date of creation manually
- e. deletealbum
 - i. Asks the user whether to delete an album or not. If user selects the delete button, album is deleted
 - 1. Photos inside the album are also deleted by default
- f. deletephoto
 - i. Asks the user whether to delete a photo
 - 1. The photo is also removed from the album.
- g. Addtag

- i. Asks the user to add a tag to a photo, entering the name of the tag
 - 1. Every photo can have many or zero tags
 - h. Viewalbum
 - i. Shows a list of albums which include the name of the album and the user album belongs to
 - 1. The user can select the album they want to do any upload/delete operations and to view the photos in them.
 - i. viewfriends
 - i. Allows the user to view a list of their friends ordered by their emails
 - j. viewfriendsalbums
 - i. Allows the user to access all albums of their friends, which are ordered by the user's name and album's name.
 - k. Viewalbumphotos
 - i. Allows the user to access all photos in their albums listed by the album_name on top.
 - ii. The photos have captions and tags,
 - iii. The photos have an option to delete
 - l. Viewfriendsalbumsphotos
 - i. Allows the user to access photos in every album created by their user friends
 - m. browsephotos
 - i. Allows the users (and non users) to see every photo that's uploaded to the website so far, with the name of their owners
 - n. browsealbums
 - i. Allows the users (and non users) to see every album that's uploaded to the website so far, with the name of their owners
 - o. searchusers
 - i. Allows the user to search existing users via email
 - p. topTags
 - i. Shows the user the top-3 tags based on the number of times that they appear in a photo – via name basis.
 - q. addlike
 - i. Allows the user to like a photo.
 - r. viewPhotoFromTag
 - i. Allows the user to look up the pictures based on the tags
 - s.

2. Incomplete / Non-Existing Functions

- a. A function to find friend recommendations
- b. A function to reflect the 'you may also like' option
- c. Find photos based on comments

d.

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<li><a href='/mostpopulartags'>View most popular tags </a></li>
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