Photo Album Storyboard Overview

Login
- Login, Admin account → **Admin - List of Users**
- Log out ← Admin
- Login User account/Stock account → **Regular Users - List of albums**
- Log out ← Regular Users
- User does not exist (loop)

Admin - List of Users
- Create new user → **Enter username**
- Create/Cancel ← Enter username
- Enter username: Duplicate username (loop)
- Select, delete → **Are you sure you want to delete user?**
- Yes/Cancel ← Are you sure you want to delete user?

Regular Users - List of albums
- Create album → **Enter album name**
- Create/Cancel ← Enter album name
- Enter album name: User has Duplicate album name (loop)
- Select, delete → **Are you sure you want to delete album?**
- Yes/Cancel ← Are you sure you want to delete album?
- Select, Open/Double-click ↔ **Album opened**
- Return ← Album opened

Album opened
- List of photos/thumbnail/captions
- Photo detail area

- Add a photo → **Browse photo location**
- Add/Cancel ← Browse photo location
- Browse photo location: Photo with the same path exists (loop)

- -Enter location tag or Enter person tag(s)
- Yes/Cancel ↔ Album opened
- Select, Add tag

- Select photo, Select tag, delete

- Select, Remove → **Are you sure you want to remove photo(s)?**
- Yes/Cancel ← Are you sure you want to remove photo(s)?

- Slide Show → **Slides of photos**
- Esc ← Slides of photos
- Next/Previous photo (loop)

- Select to recaption/Caption → **Enter caption**
- Yes/Cancel ← Enter caption

- Highlight/select photo(s), Move/Copy to... → **- Enter album name - Move to or -Copy to**
- Yes/Cancel ← Enter album name / Move to or Copy to

- Search ↔ **Search by - date range - Input tag(s): single tag/Conjuntive/Disjuntive Result area**
- Return ← Search by

Search by
- Create allbum → **Enter album name**
- Create/Cancel ← Enter album name
- Enter album name: Duplicate album name (loop)
- Result area: Display result (loop)

Login[1]

Once the Photo Album application is invoked, a login window is shown.

For most of the non-pop-up windows, a "cross" button on the top right allows user to quit the entire application safely, which means automatically save changes that were made during the user's session on disk

After the **Login** button is pushed, base on the input, the system will determine rather the user:
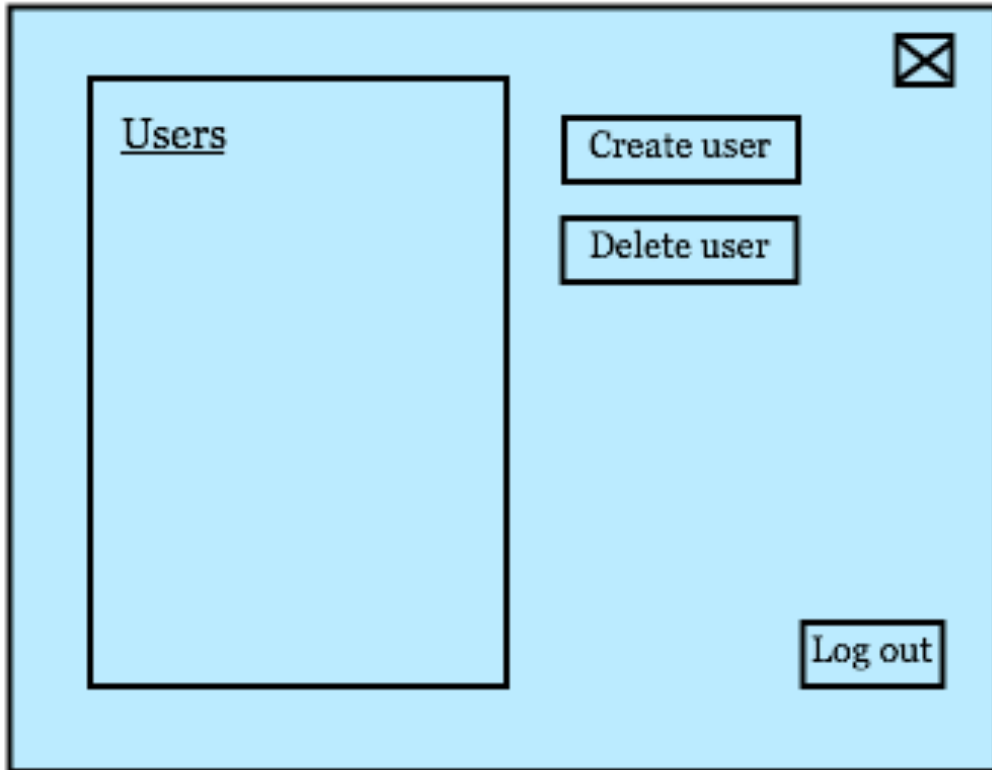
- Is admin

- Is regular User

- Does not exist

If the user does not exist, a red text "User does not exist" will be shown below the Login button

If the user is an admin, the user will be directed to the **Admin[2]** main window
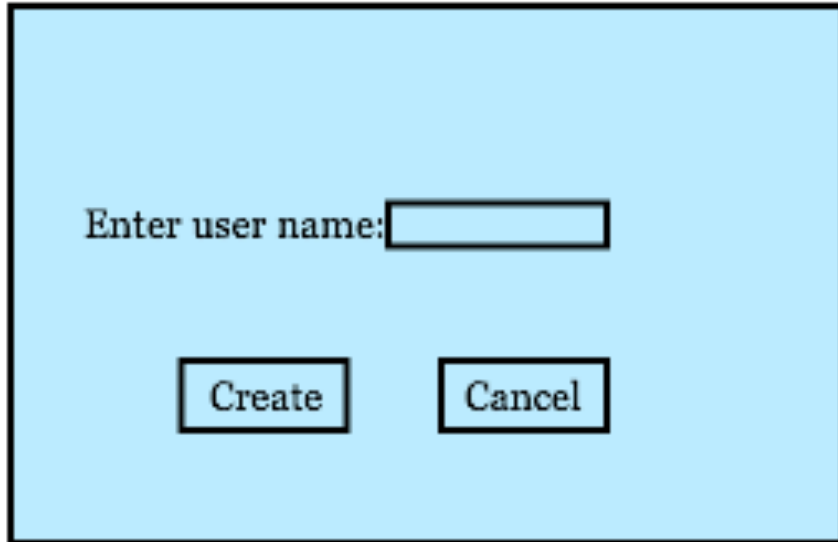
If the user is a regular user, the user will be directed to the **Regular user[5]** main window

Admin[2]

- **Users**– display a list of users that have been created

- **Create user** button – direct user to **Create user[3]** pop-up window

- **Delete user** button – direct user to **Delete user[4]** pop-up window, only if a user from the **Users** list has been selected, otherwise a red text "Please select a user to delete" will be shown

- **Log out** button – direct user back to the **Login[1]** window

Admin – Create User[3]

Enter user name: [   ]

[Create]   [Cancel]

- **Create** button – a new user will be created with the user name input from the input box, and then directs back to **Admin[2]** window. If an username from the system matches the user input, a red text "The user already exist" will be shown under the input box, a new user will not be created

- **Cancel** button – no changes will be made, direct back to **Admin[2]** window

Admin – Delete User[4]
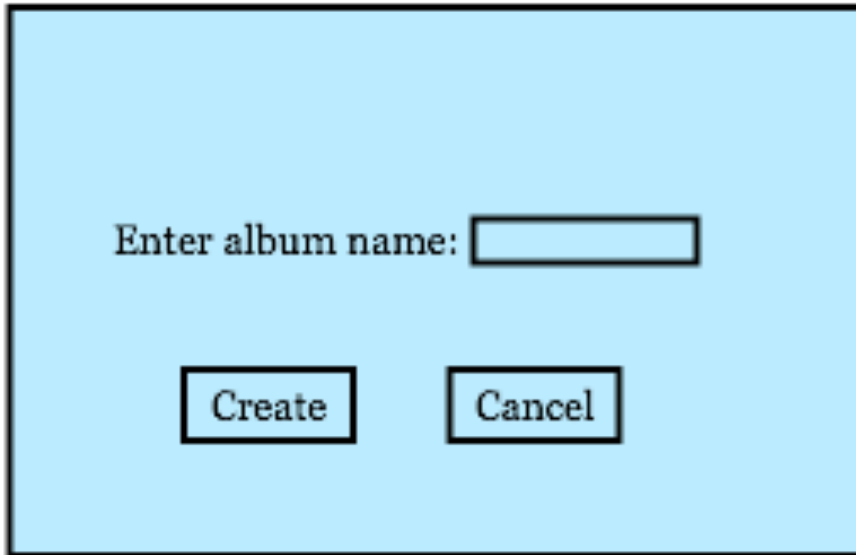
- **Yes** button – The selected user will be deleted from the system, along with all the albums and photo data. Then direct back to the **Admin[2]** window

- **Cancel** button – no changes will be made, direct back to **Admin[2]** window

Regular User[5]
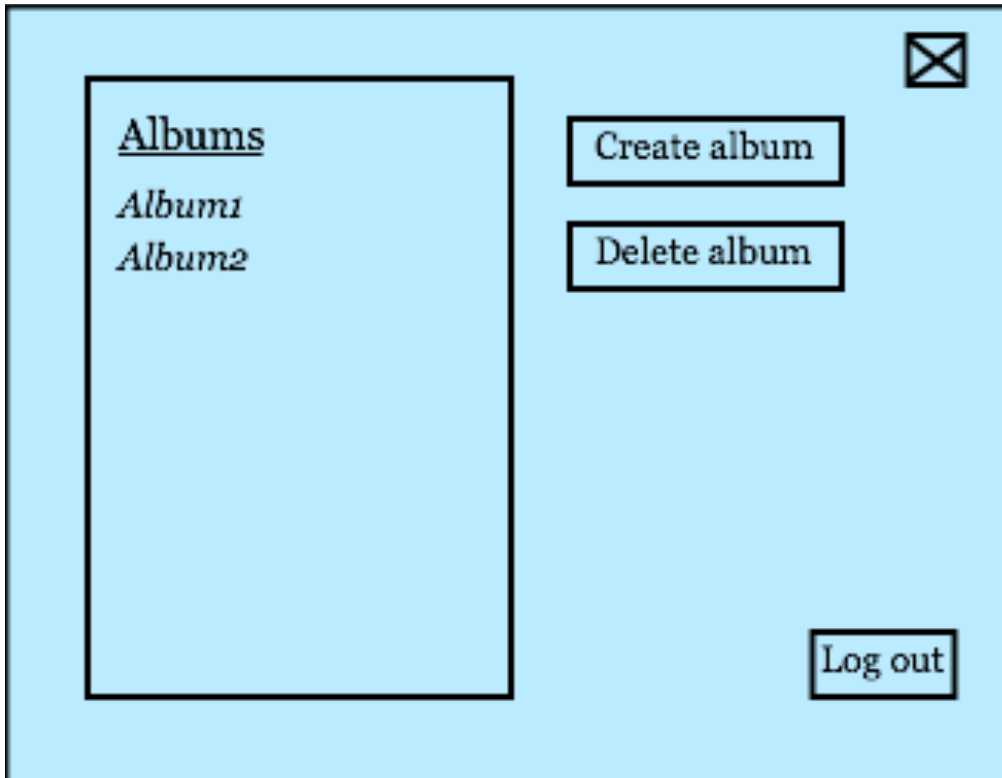
- **Albums**– display a list of albums that have been created
  - If an album has been double-clicked, user will be directed to **Album Opened[8]**
- **Create album** button – direct user to **Create Album[6]** pop-up window
- **Delete album** button – direct user to **Delete Album[7]** pop-up window, only if an album from the **Albums** list has been selected, otherwise a red text "Please select an album to delete" will be shown
- **Log out** button – direct user back to the **Login[1]** window

Regular User – Create Album[6]

Enter album name: [   ]

Create   Cancel

- **Create** button – a new album will be created with the album name from the input box, and then direct back to **Regular User[5]** window. If the user has an album that matches the user input, a red text "The album already exist" will be shown under the input box, a new album will not be created

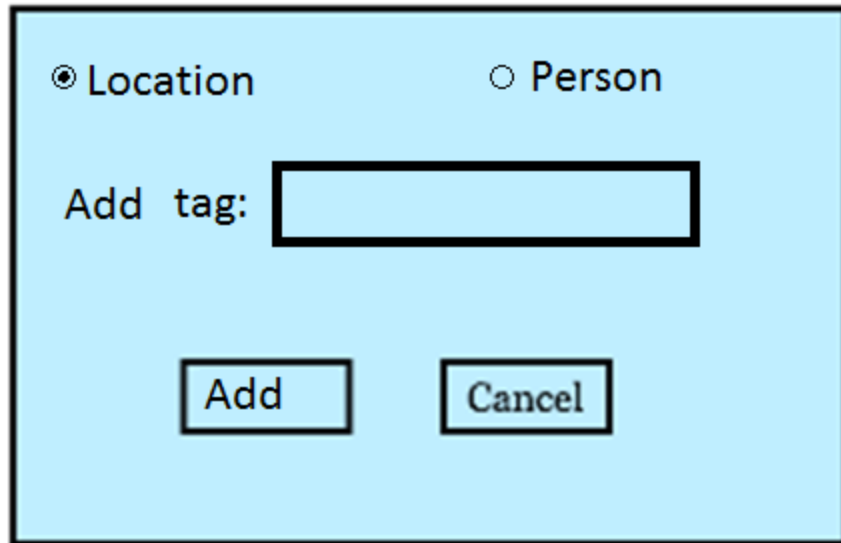- **Cancel** button – no changes will be made, direct back to **Regular User[5]** window

Regular User – Delete Album[7]
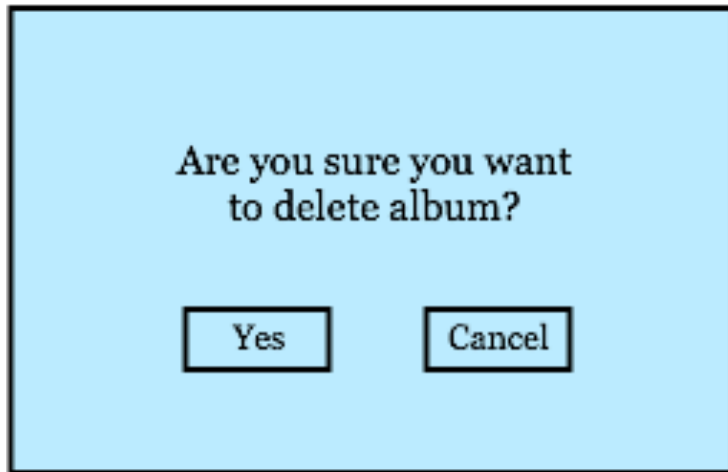
- **Yes** button – The selected album will be deleted from the user's session, along with all the photo data in the album. Then direct back to the **Regular User[5]** window

- **Cancel** button – no changes will be made, direct back to **Regular User[5]** window

Album Opened[8]
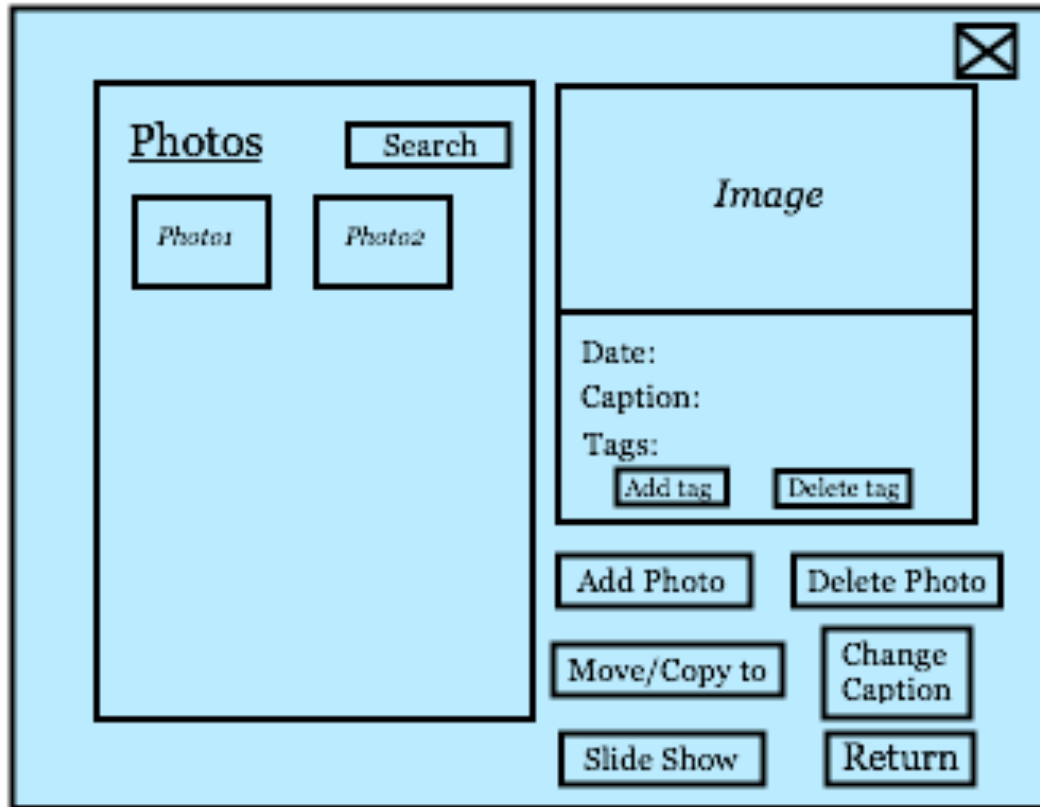
- **Photos**– display the thumbnails of the photos that have been added to the corresponding album
    - If a photo has been selected, the photo will be displayed at the *Image* area, and the details of the photo will be shown below
- **Add tag** button – direct user to **Add Tag[9]** pop-up window
- **Delete tag** button –a tag will be deleted only if a tag from the **Tags** has been selected, otherwise a red text "Please select a tag to delete" will be shown.
- **Add Photo** button – direct user to **Add Photo[10]** pop-up OS file browser
- **Delete Photo** button – direct user to **Delete Photo[11]** pop-up window, only if a photo from the **Photos** area has been selected, otherwise a red text "Please select a photo to delete" will be shown.
- **Move/Copy to** button – direct user to **Move/Copy to[12]** pop-up window
- **Change Caption** button – direct user to **Enter Caption[13]** pop-up window
- **Slide Show** button – direct user to **Slideshow [14]** full screen window
- **Search** button – direct user to **Search[15]** pop-up window
- **Return** button – direct user back to the **Regular User[5]** window

Add Tag [9]

- **Add** button – a new tag will be created base on the tag input from the input box and the tag type from the bubble input. This will overwrite the existing Location tag if Location bubble was chosen or add a new person tag if Person option was chosen. The user will then be directed back to the **Album Opened[8]** page.

- **Cancel** button – no changes will be made, direct back to **Album Opened[8]** page
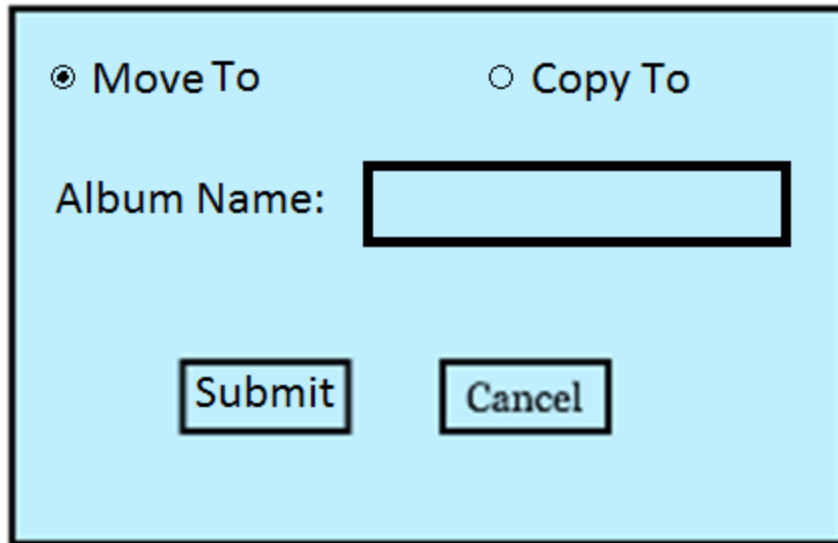
Add Photo[10]

- A OS file browser pop-out will be opened. Once the photo has been selected, it will be added to the album, duplicate photos in the same album will not be allowed, which means photos with the same path. Cancel to return to **Album Opened[8]**

Delete Photo[11]
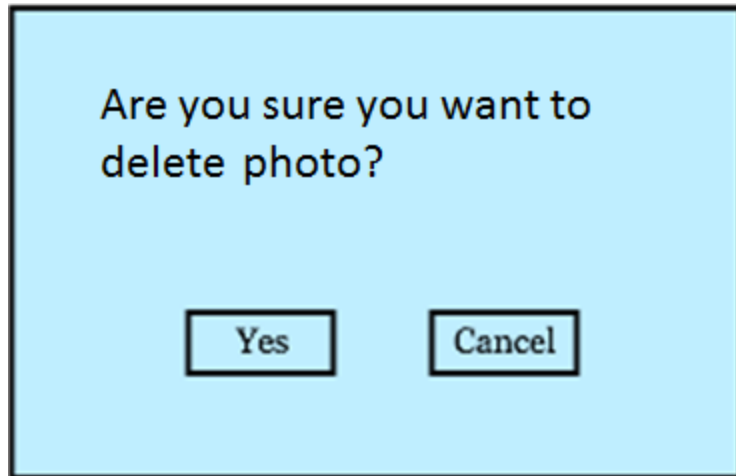
- **Yes** button – The selected photo will be deleted from the album. Then direct back to the **Album Opened[8]** page

- **Cancel** button – no changes will be made, direct back to **Album Opened[8]** page
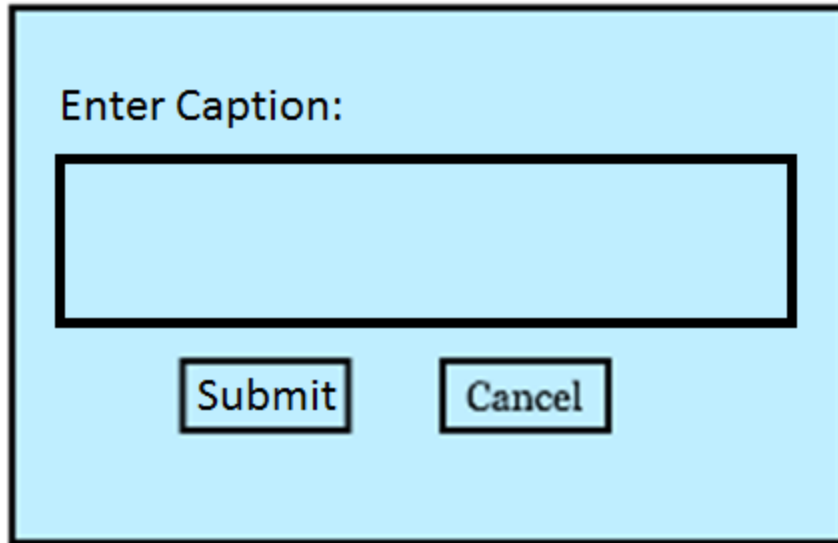
Move/Copy to[12]

- **Submit** button – The selected photo will be either moved or copied to (option chosen by bubble form) another album with the name from the input box. If the album does not exist, a new album will be created with the selected photo inside. Then direct back to the **Album Opened[8]** page.

- **Cancel** button – no changes will be made, direct back to **Album Opened[8]** page

Enter Caption[13]

- **Submit** button – a new caption will be created with the tag input from the input box, and then direct back to **Album Opened[8]** page. This will override any existing caption to the photo.

- **Cancel** button – no changes will be made, direct back to **Album Opened[8]** page

Slideshow (Full Screen)[14]

- Big box in the center displays current photo.
- Left Arrow – Goes to **Slideshow[14]** with the previous photo displayed .
- Right Arrow – Goes to **Slideshow[14]** with the next photo displayed.
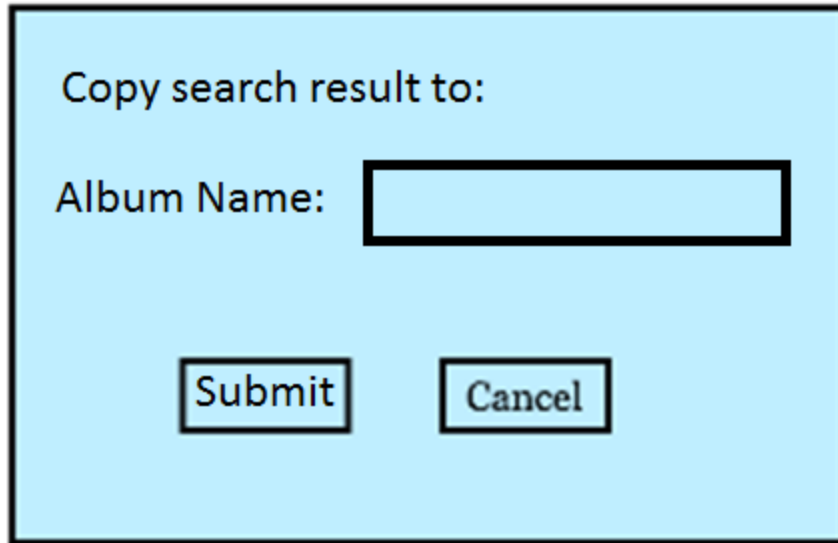- Hitting the ESC key will close out of slideshow and return back to **Album Opened[8]** .

Search Results[15]

- **Results** button – display the results on the area below base on the input criteria.
  - User can select to search base on **Tags** or **Date** range. With **Tags**, user can:
    - Search with single tag by selecting the tag to be **Person** or **Location**, and fill in the desired tag, and leave the second input box blank
    - Search with double tags by choosing **and/or** option to decide rather the user wants conjunctive or disjunctive combination search base on the tags, and then fill in both input boxes with the desired tags.

- **Cancel** button – no changes will be made, and direct the user back to **Album Opened[8]**.

- **Create Album with Results** button – directs to the **Result Album[16]** pop-up window.

Result Album[16]

- **Submit** button – a new album will be created with the **Album Name** input from the input box, and then direct back to **Search Results[15]** window. If an album from the user's albums matches the user input, a red text "The album already exist" will be shown under the input box, a new album will not be created.

- **Cancel** button – no changes will be made, direct back to **Search Results[15]** window