

PHOTOS

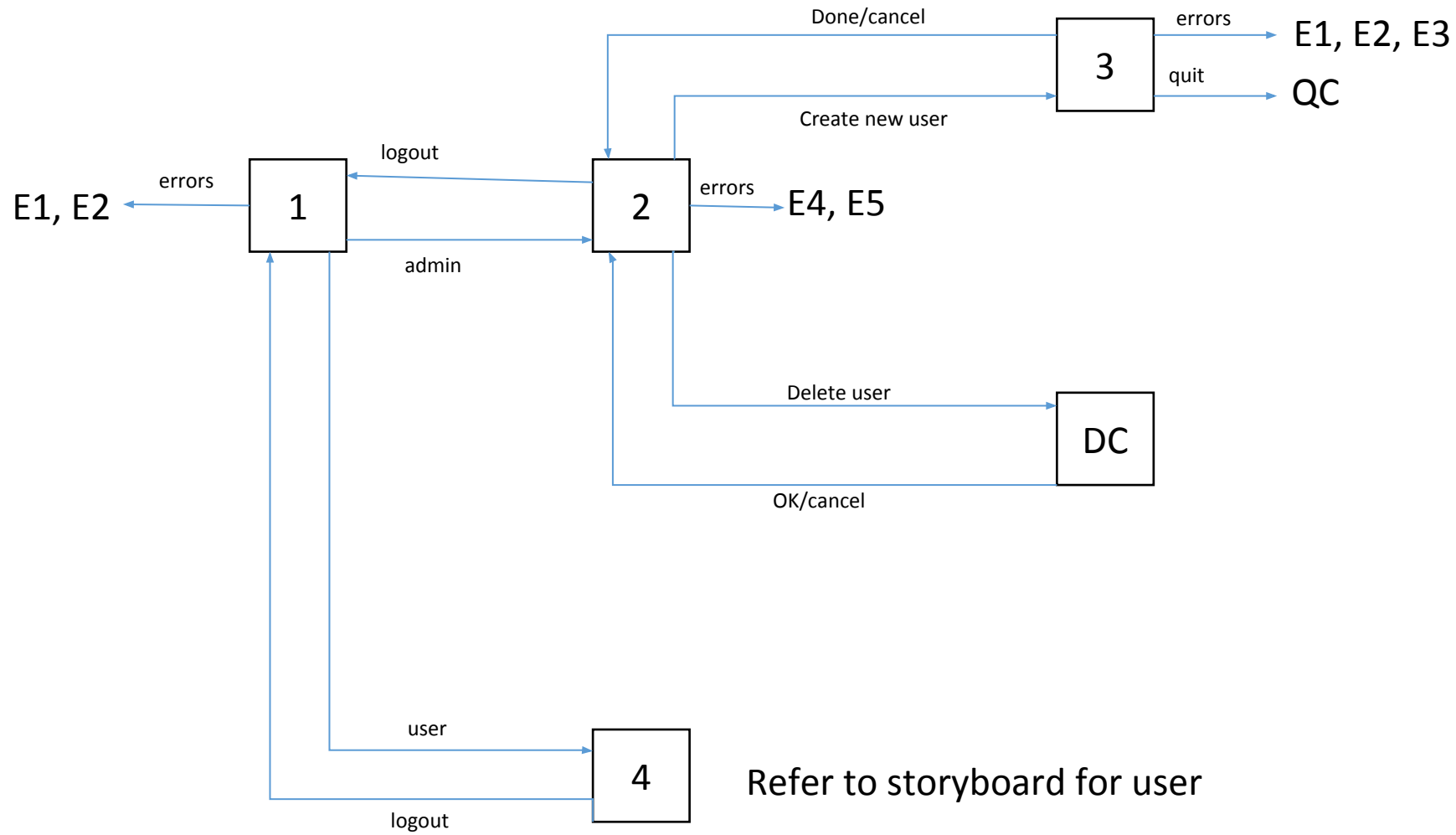
Group 59

Note to grader:

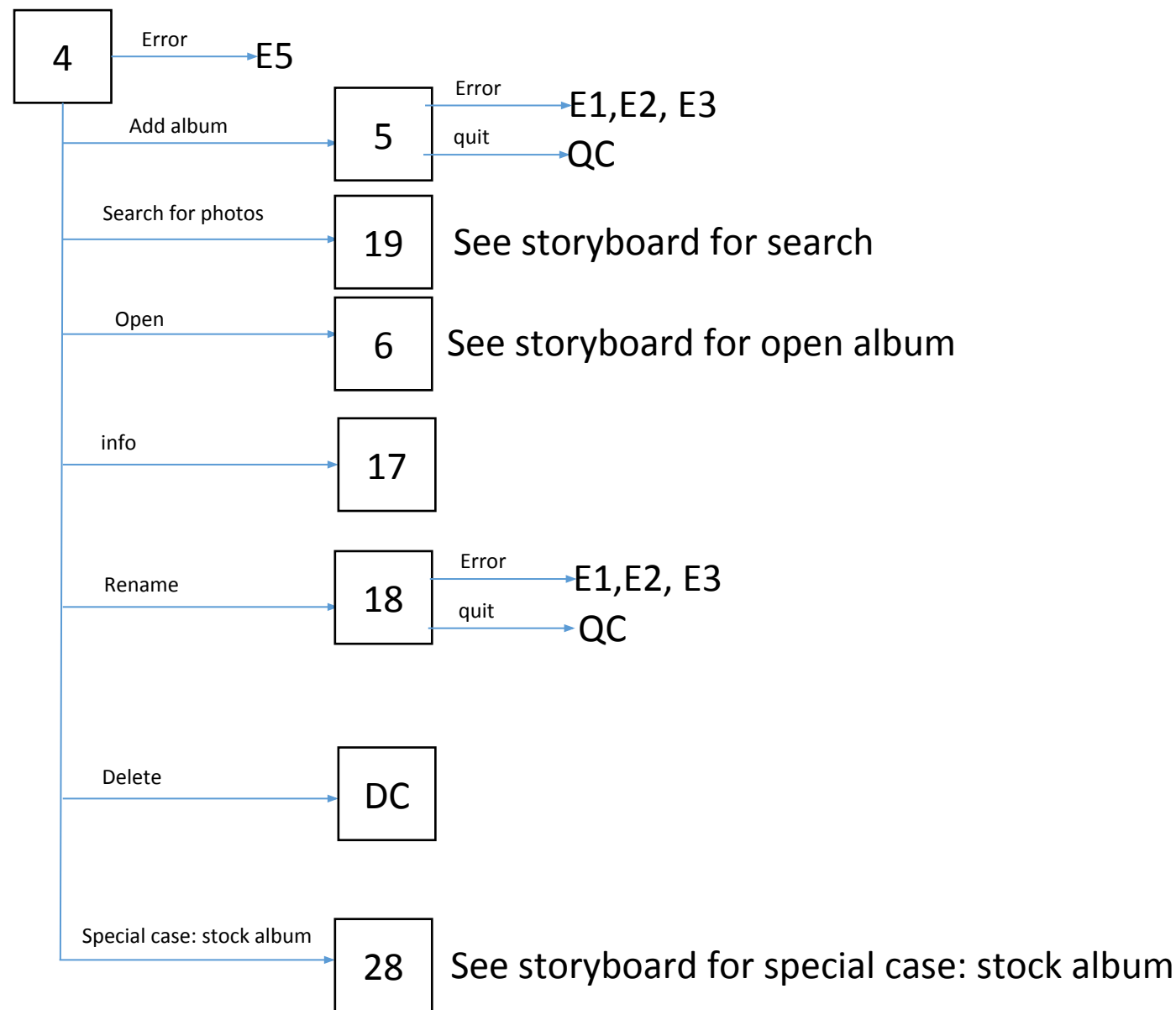
The whole storyboard doesn't fit on one page so I'm going to do relevant portions of the storyboard in one page and each page's storyboard is going to refer to another page's storyboard where necessary.

Photos Storyboard Overview

Storyboard focusing on admin.



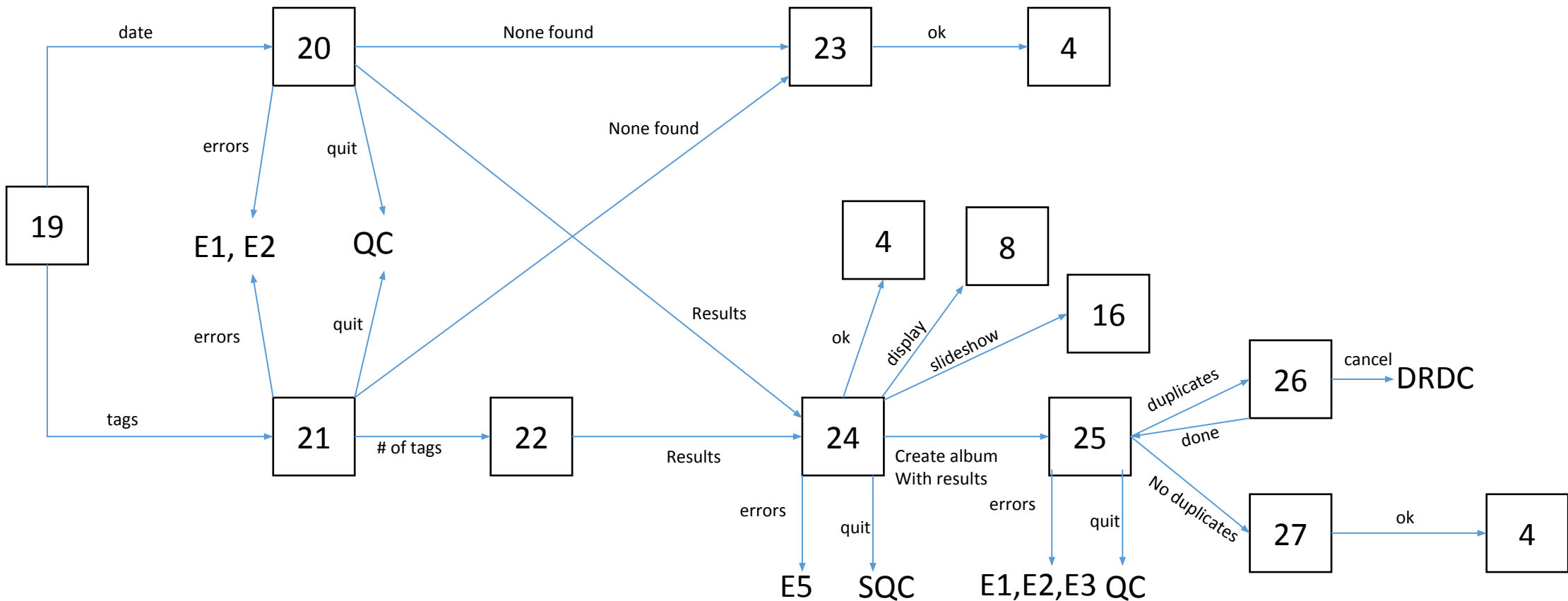
Storyboard focusing on user.



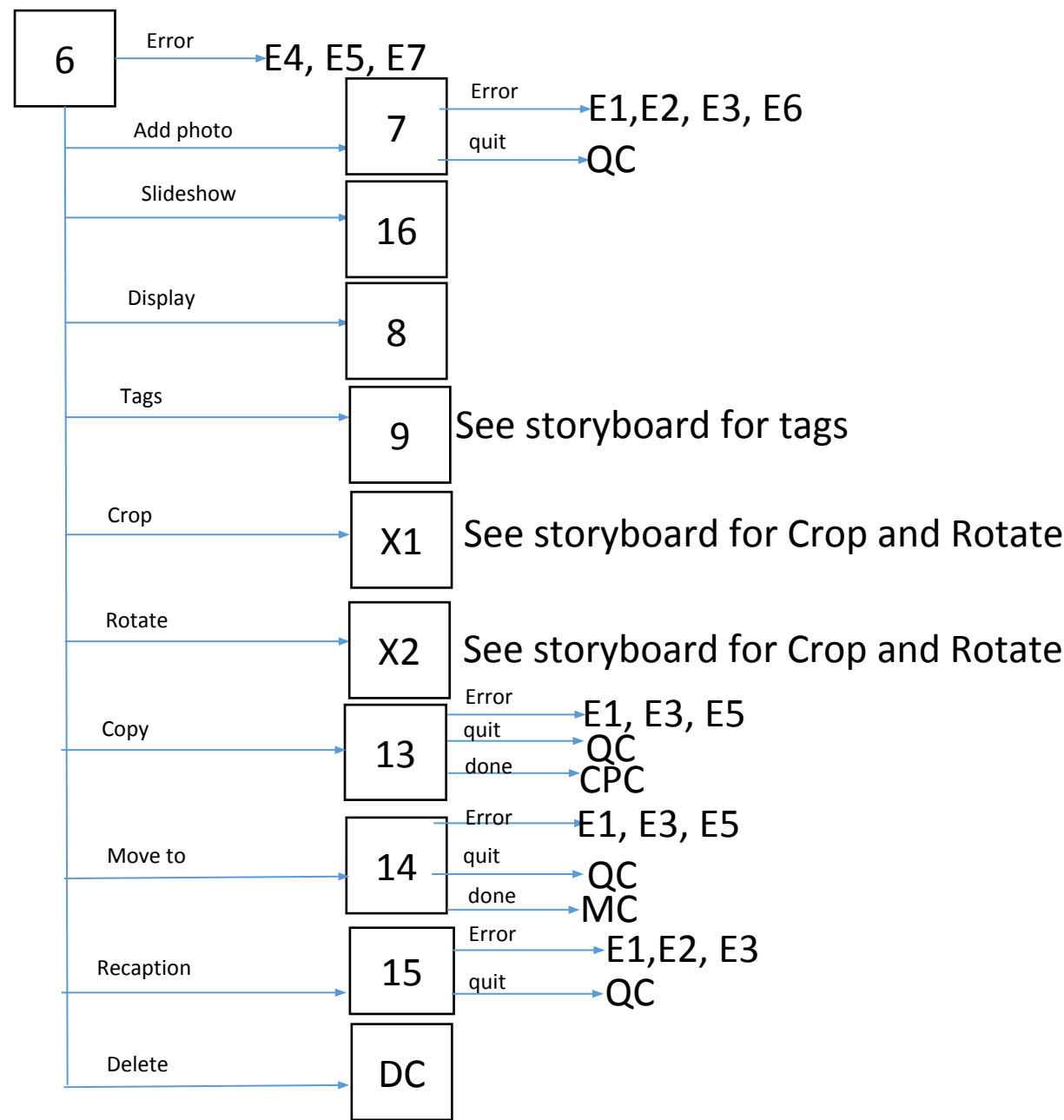
Note: Each of the subsets return to 4 with a Done/Cancel/OK. I haven't marked it because of space.

Storyboard focusing on search.

Note: Some done/cancel arrows go back. I haven't marked it because of space.



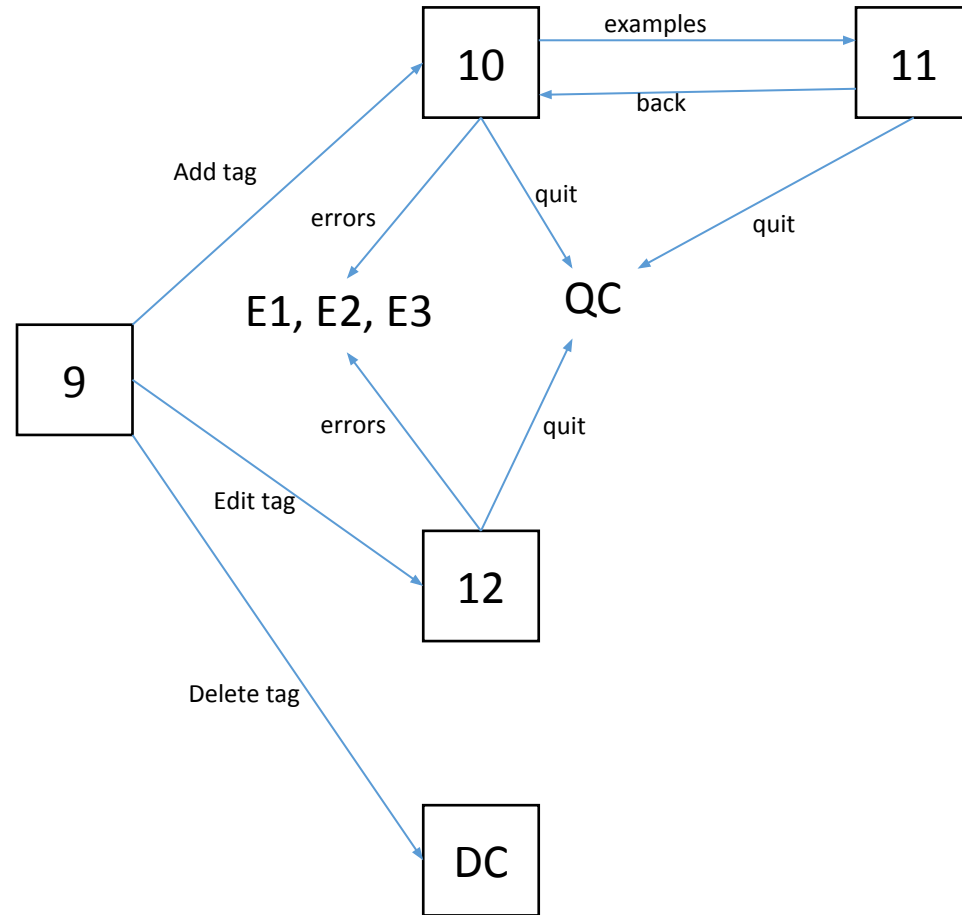
Storyboard focusing on Open Album.



Note: Each of the subsets return to 6 with a Done/Cancel/OK. I haven't marked it because of space.

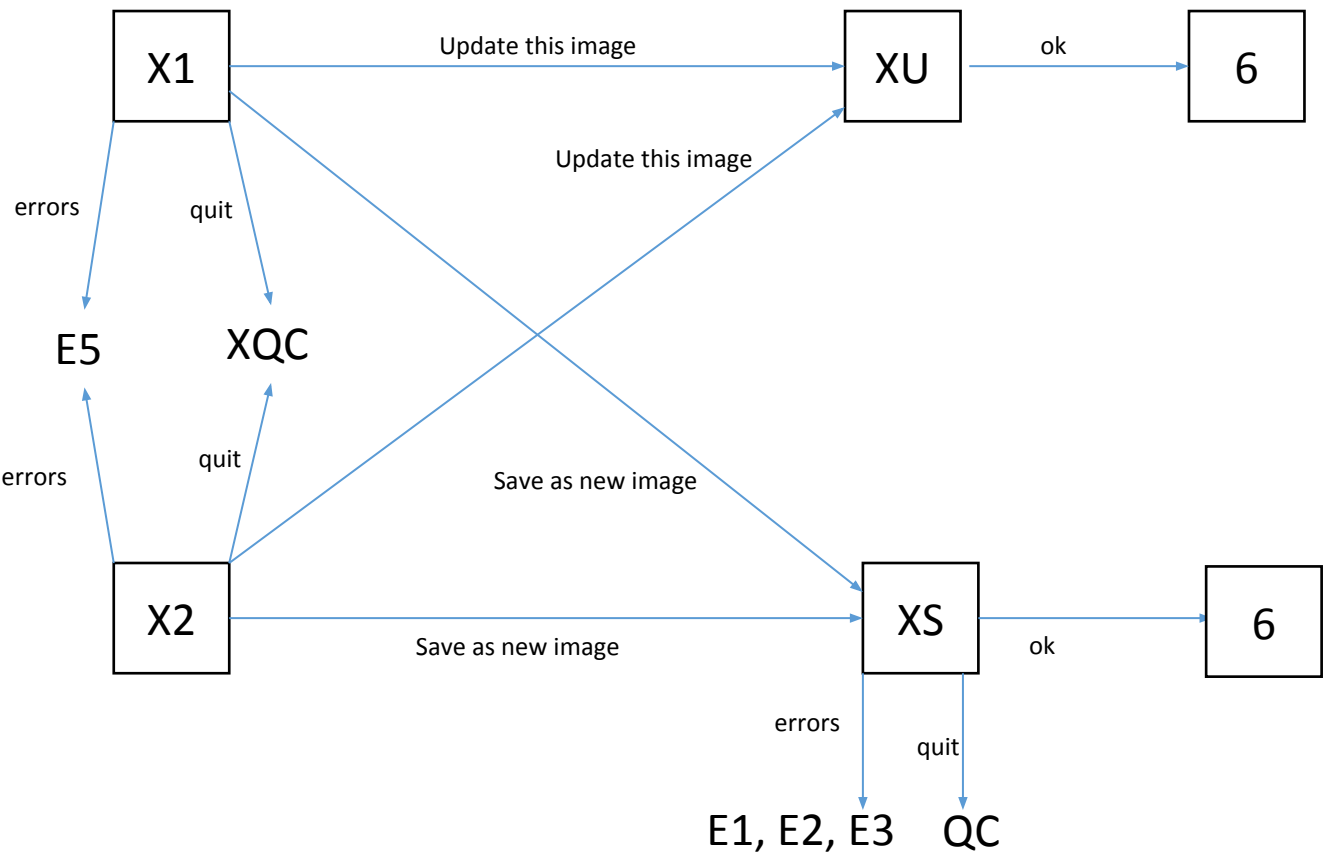
Storyboard focusing on Tags.

Note: Some done/cancel/ok arrows go back. I haven't marked it because of space.

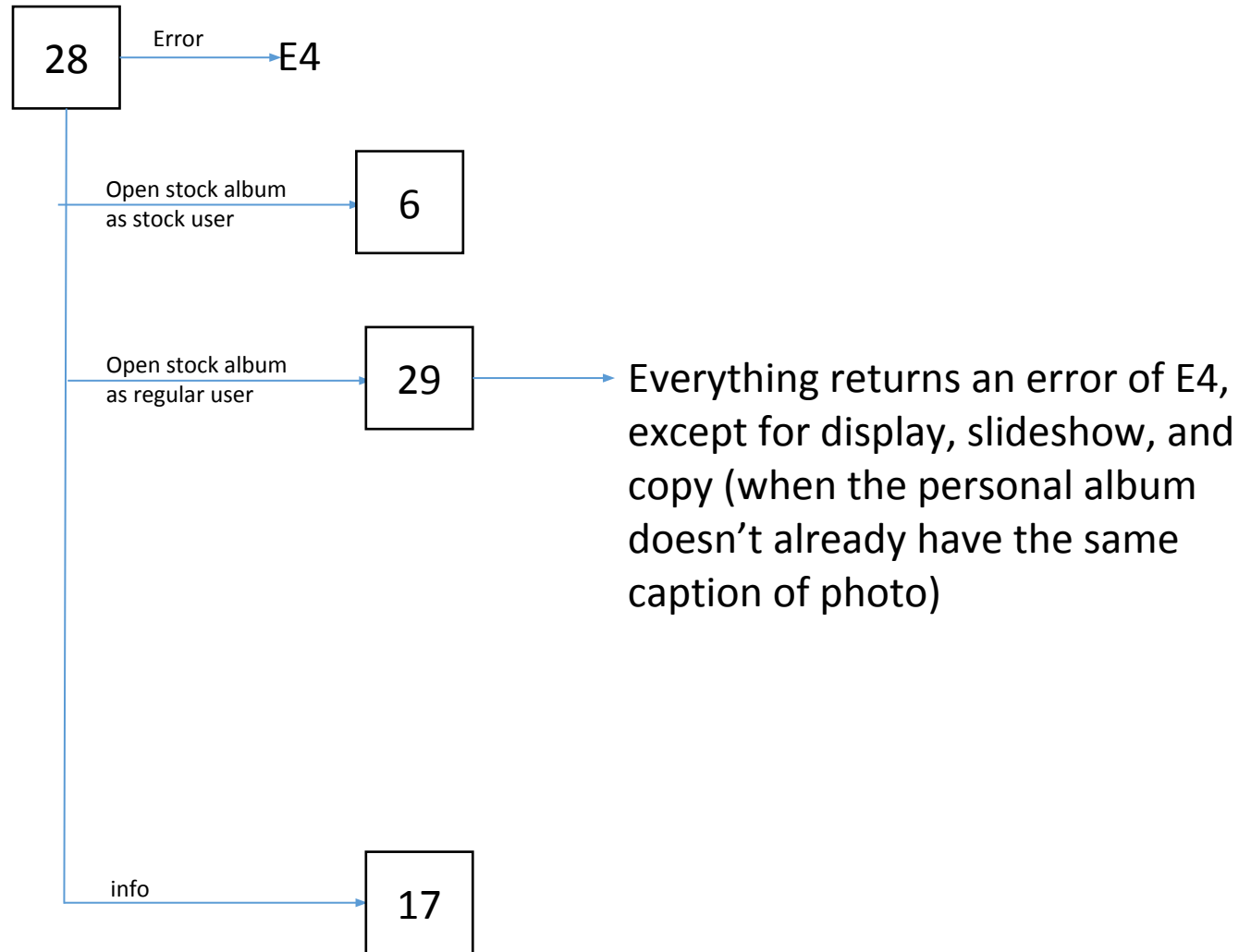


Storyboard focusing on Crop and Rotate.

Note: Some done/cancel/ok arrows go back. I haven't marked it because of space.



Storyboard focusing on special case: stock album.



Note: Each of the subsets return to 4 with a Done/Cancel/OK. I haven't marked it because of space.

Note to grader:

If you see <...> in the UI, it means it will be filled by the appropriate variable.

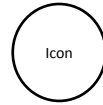
Example: <rules for valid xyz> could be restricting the length or valid characters for entity xyz.

If the buttons look long and ugly because of too much text, then we may change the buttons to links in the final version.

Photos Login

1

Photos Login



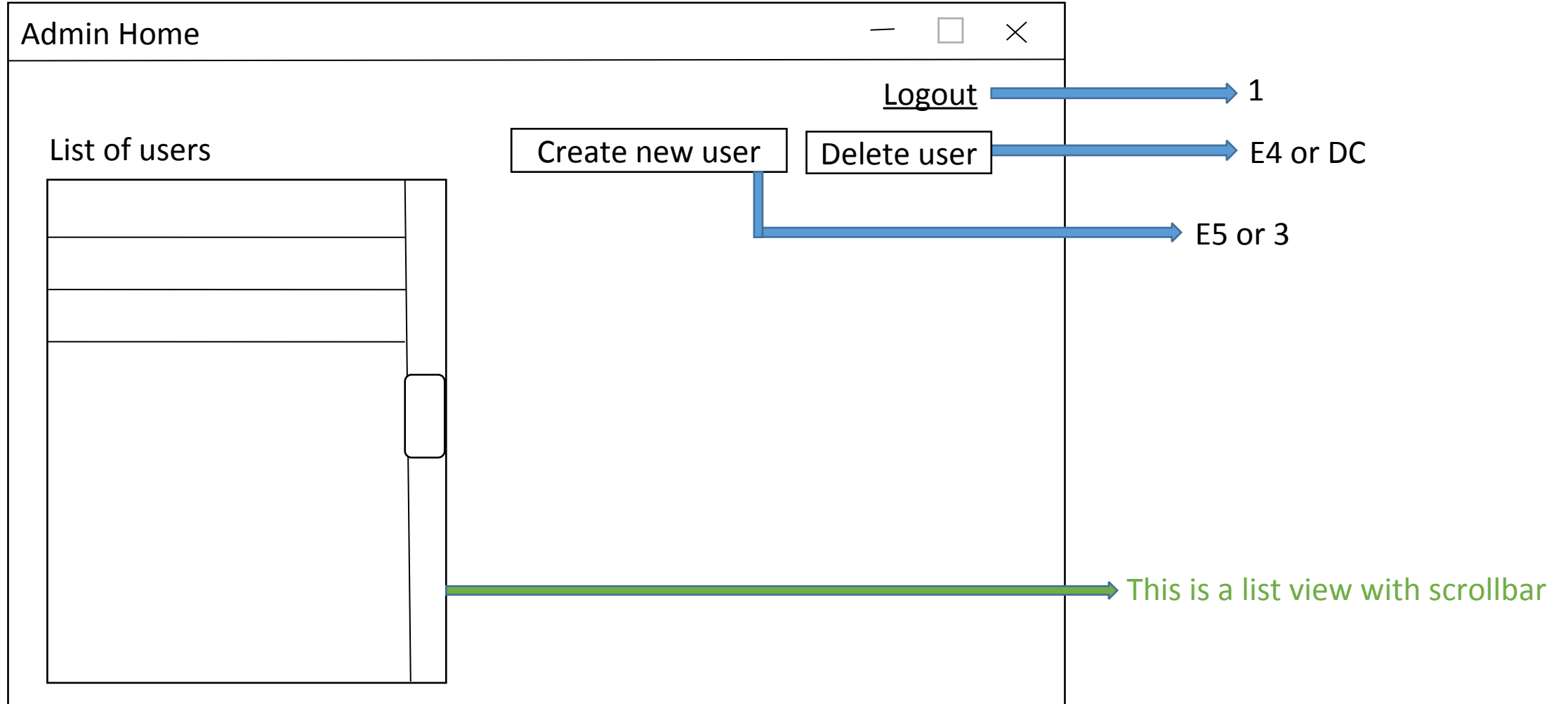
Photos

Username:

Login



E1, E2, 2 or 4



Note to grader about 2:

Depending on how we have our data structures, the list of users can be two ways:

1. Contains admin and stock when you first open. (Errors will be thrown if admin tries to delete admin or stock).
2. Doesn't show admin and stock to make it impossible for the admin to try to delete these accounts. (I.e. list is empty until admin creates a user.)

Create New User 3

Create New User

— □ ×

QC

<rules for valid username>

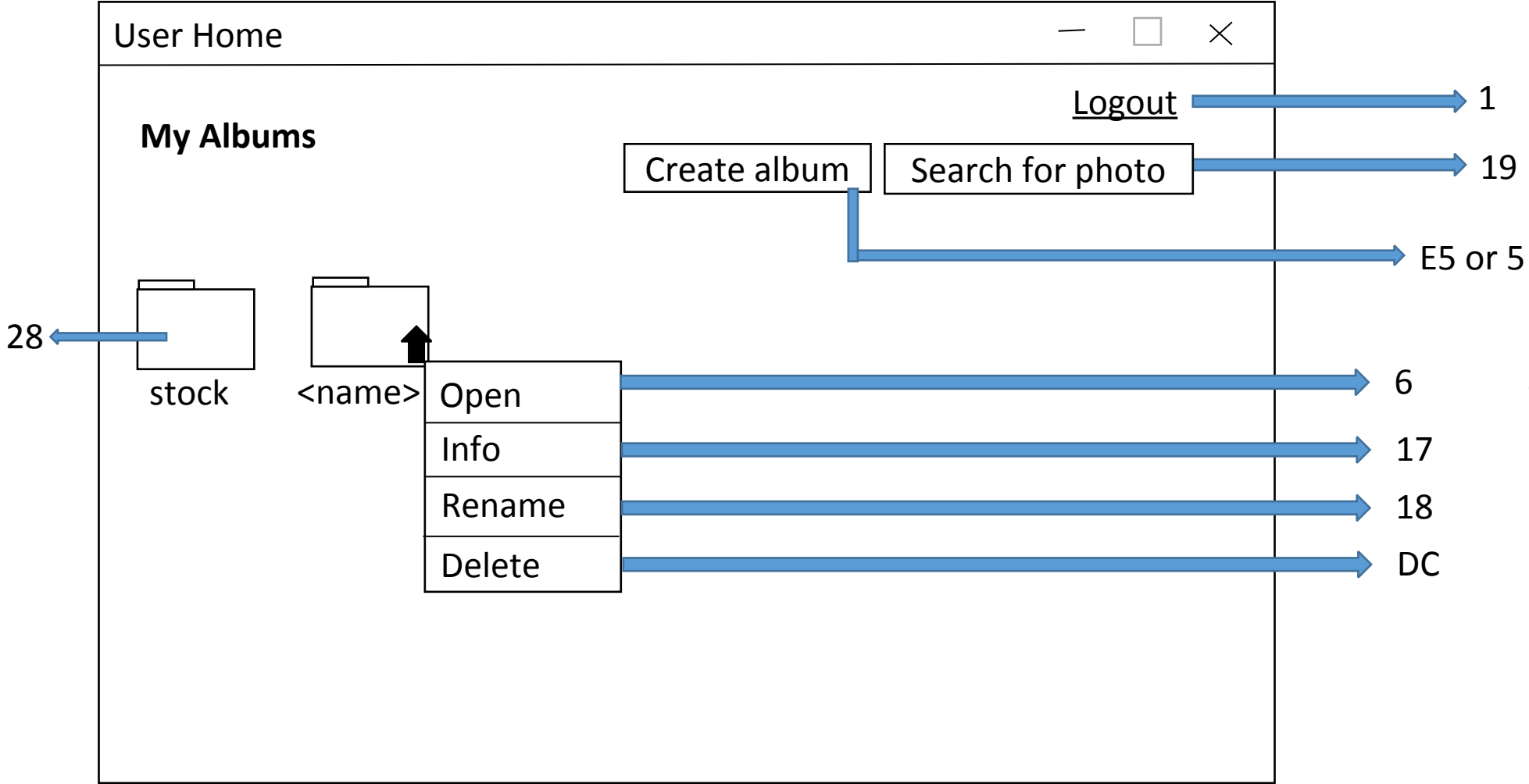
Enter new username:

DONE

CANCEL

2

E1, E2, E3 or 2



The black arrow is the user's cursor right clicking the album which gives the menu.

Note to grader about 4:

There should probably be a light blue selection box when you click an album to show you've selected it, but it was too hard to make in ppt with the items overlapping, so I'm just describing it here.

My albums will contain only stock until user creates album.

If there are no stock photos, stock album will be empty.

If the user right clicks the stock album, it is a special case which goes to 28.

Create Album

5

Create Album



QC

<rules for valid album name>

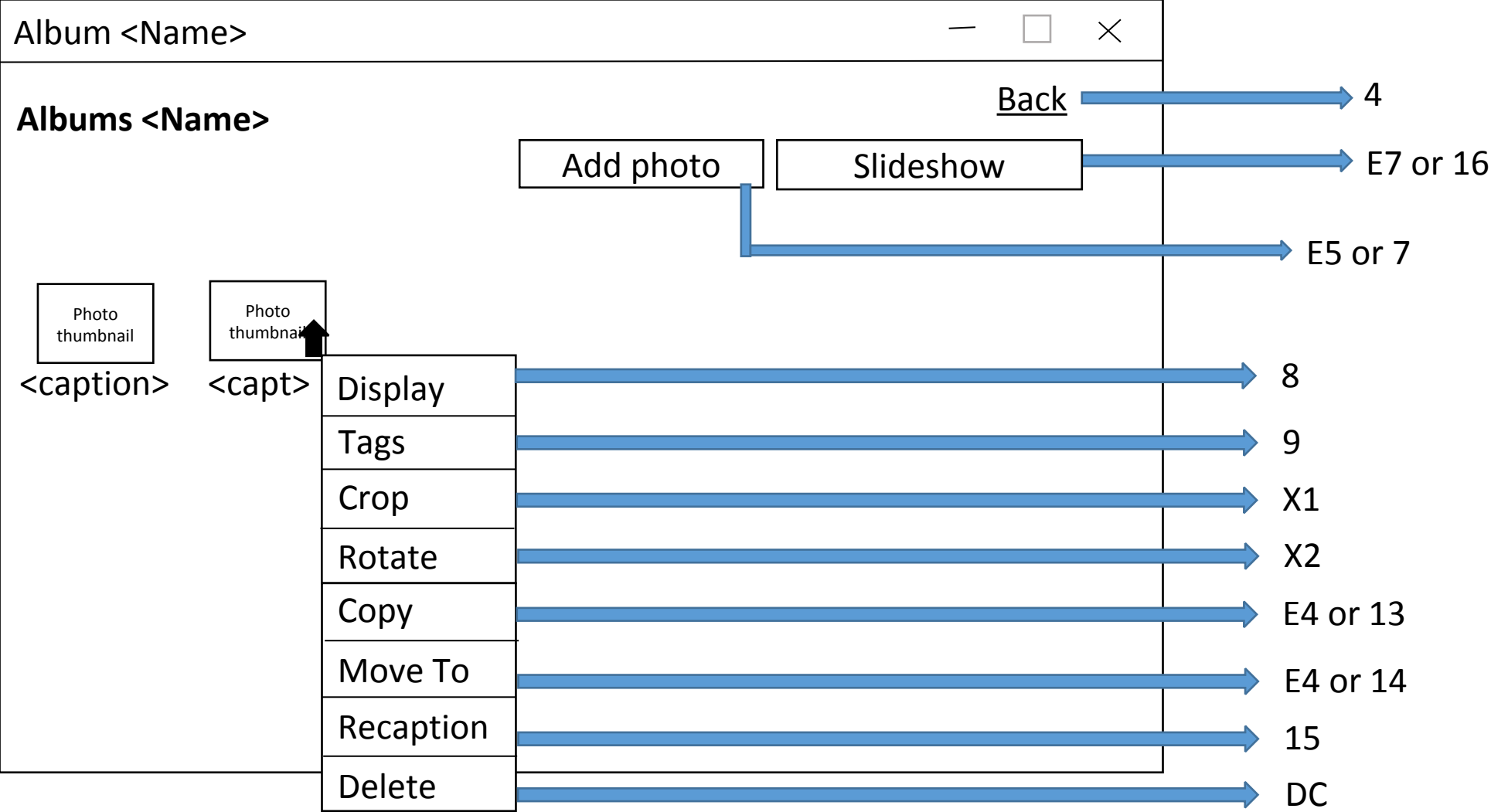
Album name:

DONE

CANCEL

4

E1, E2, E3 or 4



Note to grader about 6:

The black arrow is the user's cursor right clicking the photo which gives the menu.

Here the menu looks larger than the window only for clarity sake. In the real version it will be much smaller.

I've written <capt> instead of <caption> for the second photo only for the sake of space. It is still the photo caption.

There should probably be a light blue selection box when you click an photo to show you've selected it, but it was too hard to make in ppt with the items overlapping, so I'm just describing it here.

Album will be empty until user adds photo.

We will only implement Crop and/or Rotate if time permits (for extra credit).

Add Photo

7

Add Photo

<rules for valid filepath and caption.
Maybe include example of filepath>

Enter filepath of photo:

Caption:

QC

6

E1, E2, E3 , E6 or 6

```
graph TD; subgraph Dialog [Add Photo]; direction TB; Rules["<rules for valid filepath and caption.  
Maybe include example of filepath>"]; Input1["Enter filepath of photo: "]; Input2["Caption: "]; subgraph Buttons; direction LR; Done[DONE]; Cancel[CANCEL]; end; end; Dialog -- "QC" --> QC[QC]; Dialog -- "6" --> 6[6]; Dialog -- "E1, E2, E3 , E6 or 6" --> Options["E1, E2, E3 , E6 or 6"];
```

Display Photo

×

Photo

Album name:

<name>

Caption:

<caption>

Date-Time:

mm/dd/yyyy HH:MM:SS

Tags:

<Tag type> = <Tag value>

6 or 24

Note: This window must be closed to continue working on 6 or 24.
(Prevents user from renaming/deleting a photo while it is in display.)

Note to grader about 8:

The format of Date-Time may change based on what is convenient in `java.util.Calendar` (or `java.time`).
For now we have put date as `mm/dd/yyyy` for month/day/year and time as `HH:MM:SS` for military time
hours:minutes:seconds.

For now we have put a scrollable list for tags in case the user puts a lot of tags and it doesn't fit in display window.
But if it looks better to have it in paragraph format delimited by commas, then we may do that and put a smaller limit
on number of tags allowed per photo.

We've added Album name to display to make it useful for search results display because in that case the albums can be
different.

Tags

Tags for photo <name> in album <name>

Note: you can't have more than <limit> tags for this photo

List of tags

Format tag type = tag value

Back

Add Tag

Edit Tag

Delete Tag

6

E4 or DC

E4 or 12

E5 or 10

Note to grader about 9:

List of tags will be empty until user adds tag.

Add Tag 10

Add Tag

See examples of tag type = tag value pairs

Select a tag type:

Enter a tag value:

<Rules for valid tag value>

DONE CANCEL

QC

11

This is a combo box

9

E1, E2, E3 or 9

The diagram shows a dialog box titled 'Add Tag' with standard window controls (minimize, maximize, close). Inside the dialog, there is a link 'See examples of tag type = tag value pairs', a label 'Select a tag type:' followed by a text input field with a dropdown arrow, a label 'Enter a tag value:' followed by a text input field, and a section header '<Rules for valid tag value>'. At the bottom are 'DONE' and 'CANCEL' buttons. Annotations with arrows point from various elements to labels on the right: a blue arrow from the close button to 'QC', a blue arrow from the link to '11', a green arrow from the dropdown arrow to 'This is a combo box', a blue arrow from the 'CANCEL' button to '9', and a blue arrow from the bottom of the dialog box to 'E1, E2, E3 or 9'.

Example Tags

— □ ×

→ QC

Back

→ 10

Tag type	Tag value
Location	= Paris
Person	= John Doe
.	
.	
.	

Note to grader about 11:

We will probably have about 20 preset tag types. For each tag type, we will give an example of tag type = tag value so that the user gets an idea of how to use it. Having said that, the user is still free to interpret the meaning of a specific tag type whichever way he wants – we may give an example Style = Silhouette (to mean style of photograph), but the user could still say Style = Vogue (to mean style of fashion in the photograph).

When a user enters tag values, we will not be concerned with the meaning of the tag value in search.

i.e. if a user enters location = NJ for one photo, and enters location = New Jersey for another photo, and then he searches for photos with the criteria location = NJ, we will not return the photo that has location = New Jersey.

Even though we know the meaning is similar, it would be too complex to code.

We are not giving specific format for input because users can interpret 'location' whichever way they want. (example: location = Six Flags)

Edit Tag 12

The diagram shows a standard Windows-style dialog box titled "Edit Tag". It features a title bar with minimize, maximize, and close buttons. The main area contains three labels: "Edit tag type:", "Edit tag value:", and "<Rules for valid tag value>". The "Edit tag type:" label is next to a dropdown menu (combo box) with a downward arrow. The "Edit tag value:" label is next to a text input field containing the text "<Old value>". At the bottom right, there are two buttons: "DONE" and "CANCEL". Annotations with arrows point to various parts of the dialog: a blue arrow points from the close button to the text "QC"; a green arrow points from the dropdown menu to the text "This is a combo box"; a blue arrow points from the "CANCEL" button to the text "9"; and a blue arrow points from the "DONE" button to the text "E1, E2, E3 or 9".

Edit Tag

Edit tag type:

Edit tag value:

<Rules for valid tag value>

DONE CANCEL

QC

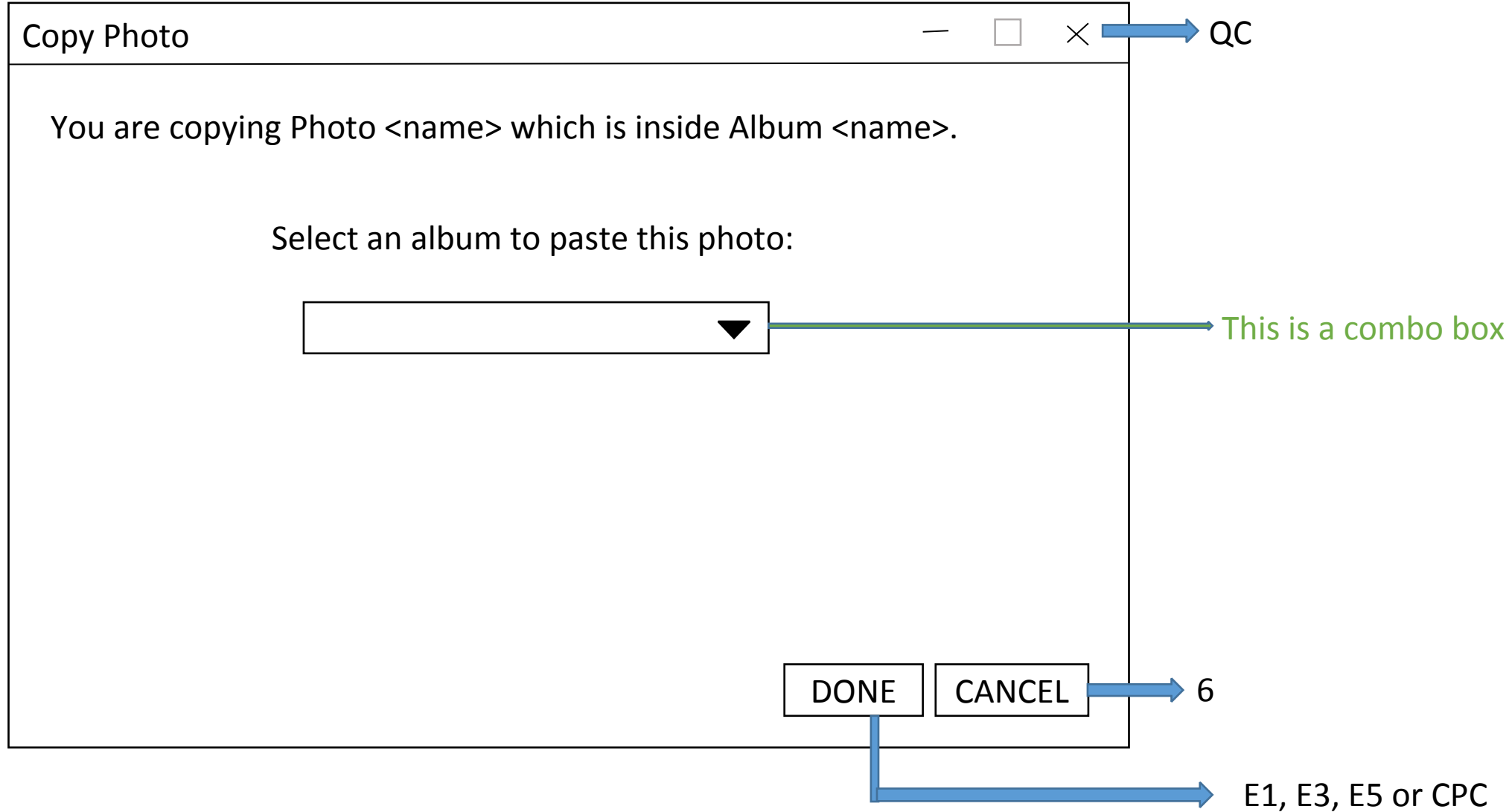
This is a combo box

9

E1, E2, E3 or 9

Copy Photo

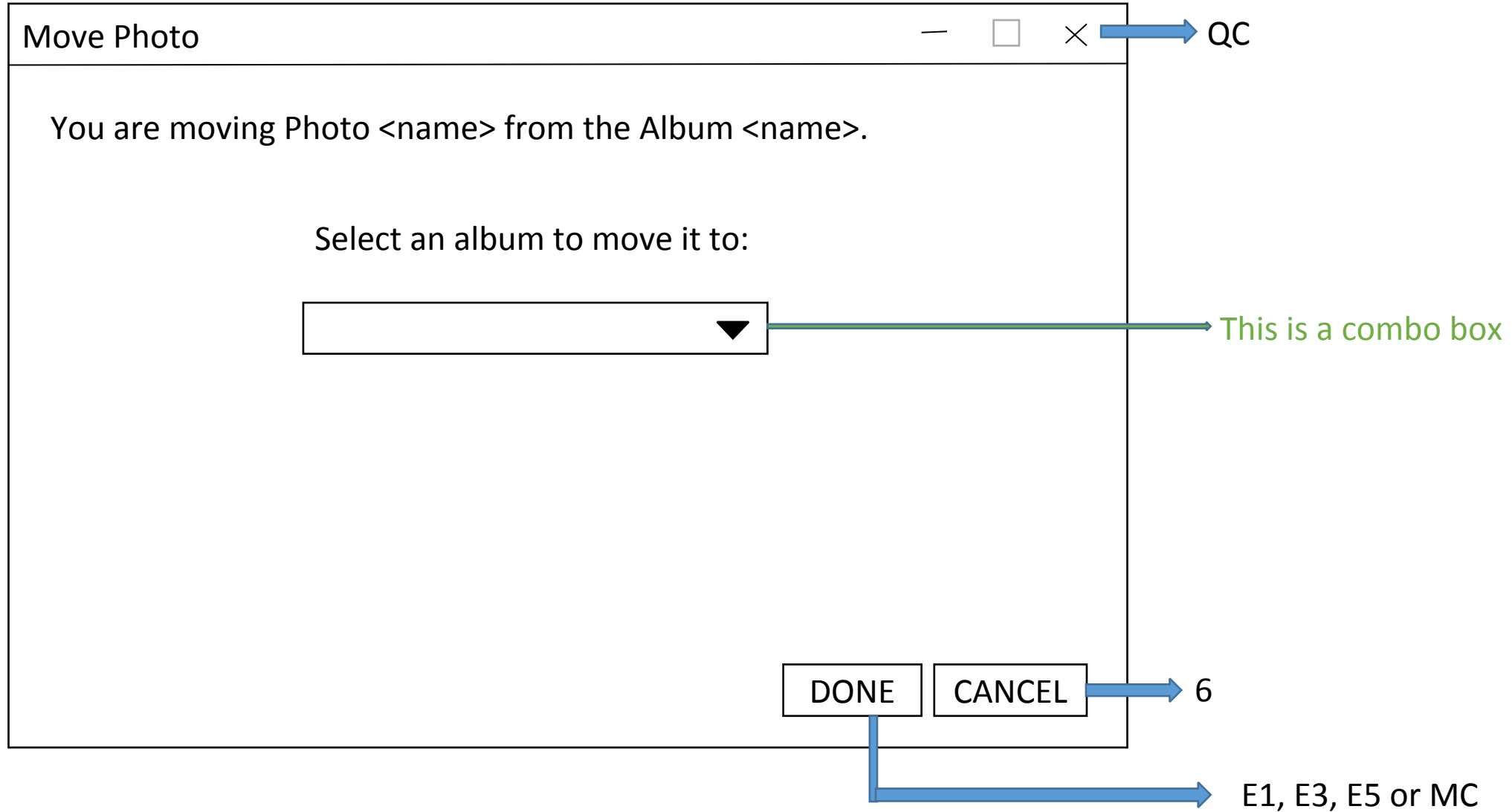
13



Note to grader about 13:

The drop down contains the names of all other albums of the user except the current one. (I.e. you can't copy into the same album.)

The drop down does not contain stock for regular user. (I.e you can't copy into the stock album.)



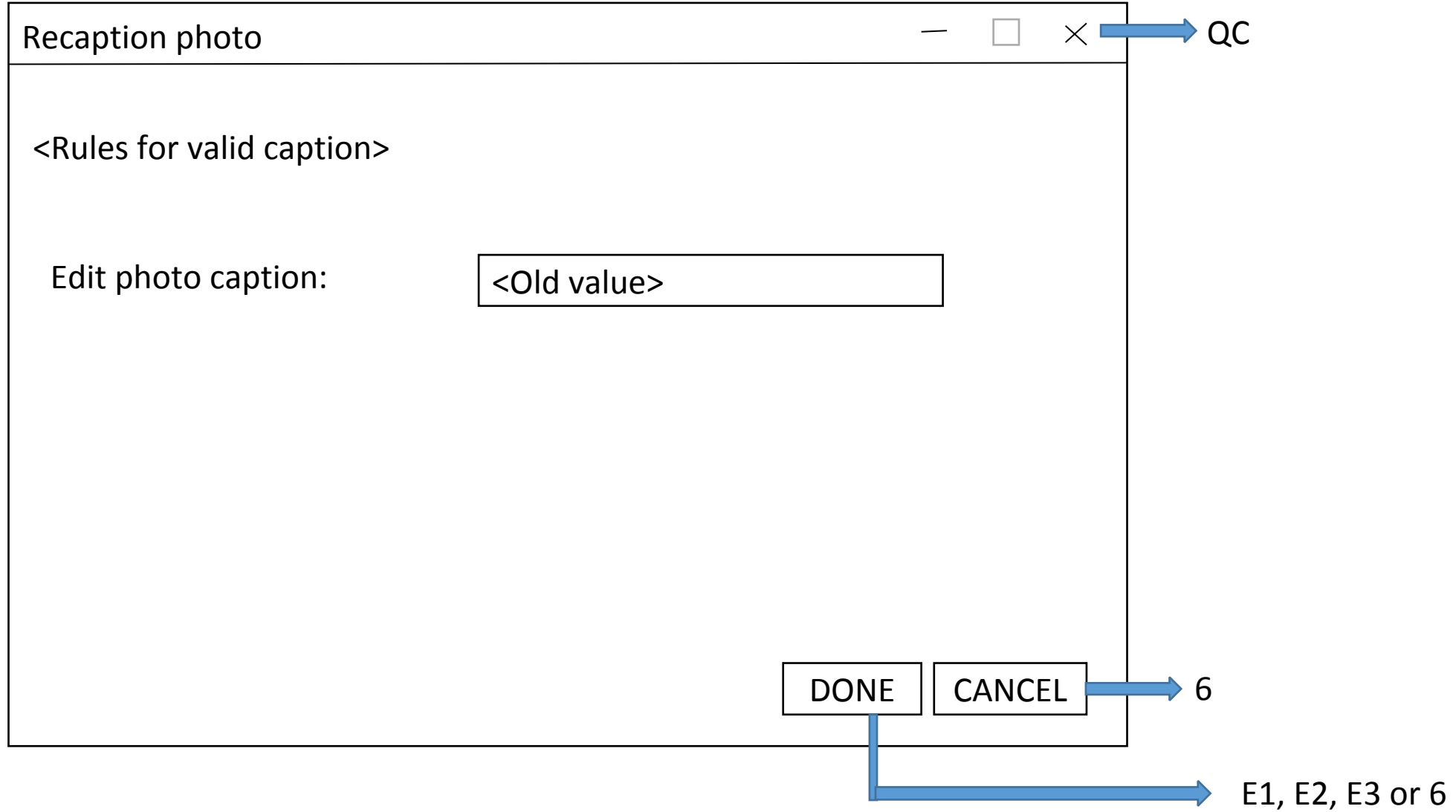
Note to grader about 14:

The drop down contains the names of all other albums of the user except the current one. (I.e. you can't move into the same album.)

The drop down does not contain stock for regular user. (I.e you can't move into the stock album.)

Recaption Photo

15



Slideshow

←

Photo

→

Album name:

<name>

Caption:

<caption>

Date-Time:

mm/dd/yyyy HH:MM:SS

Tags:

<Tag type> = <Tag value>

6 or 24

Note: This window must be closed to continue working on 6 or 24.
(Prevents user from renaming/deleting a photo while it is in slideshow.)

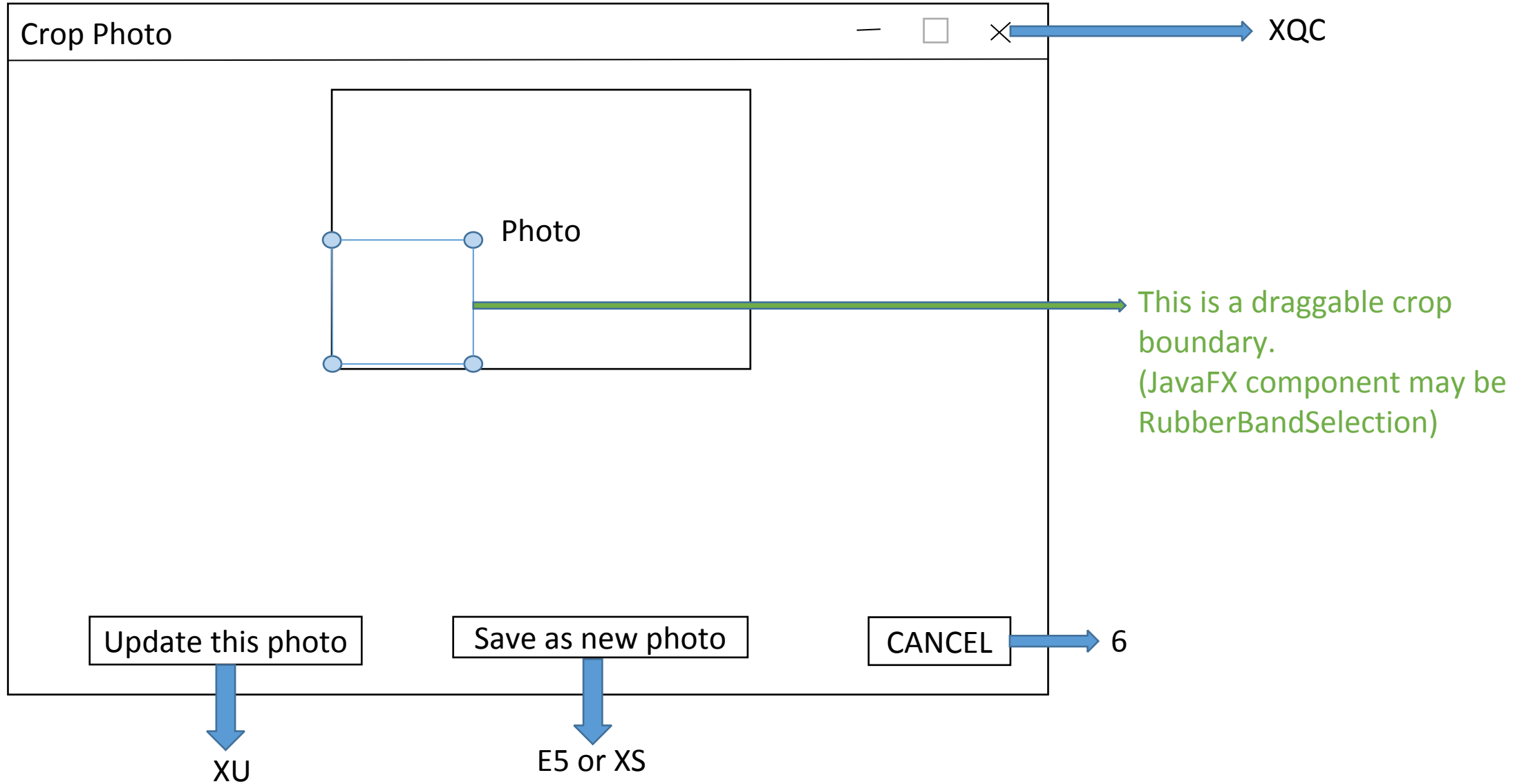
Note to grader about 16:

Notes given for display apply to slideshow too. (i.e. about date-time format and tag format in list/paragraph)

We may do a loop slideshow or we may gray out one arrow for the first and last photo.

We've added Album name to slideshow to make it useful for search results slideshow because in that case the albums can be different.

Crop Photo X1

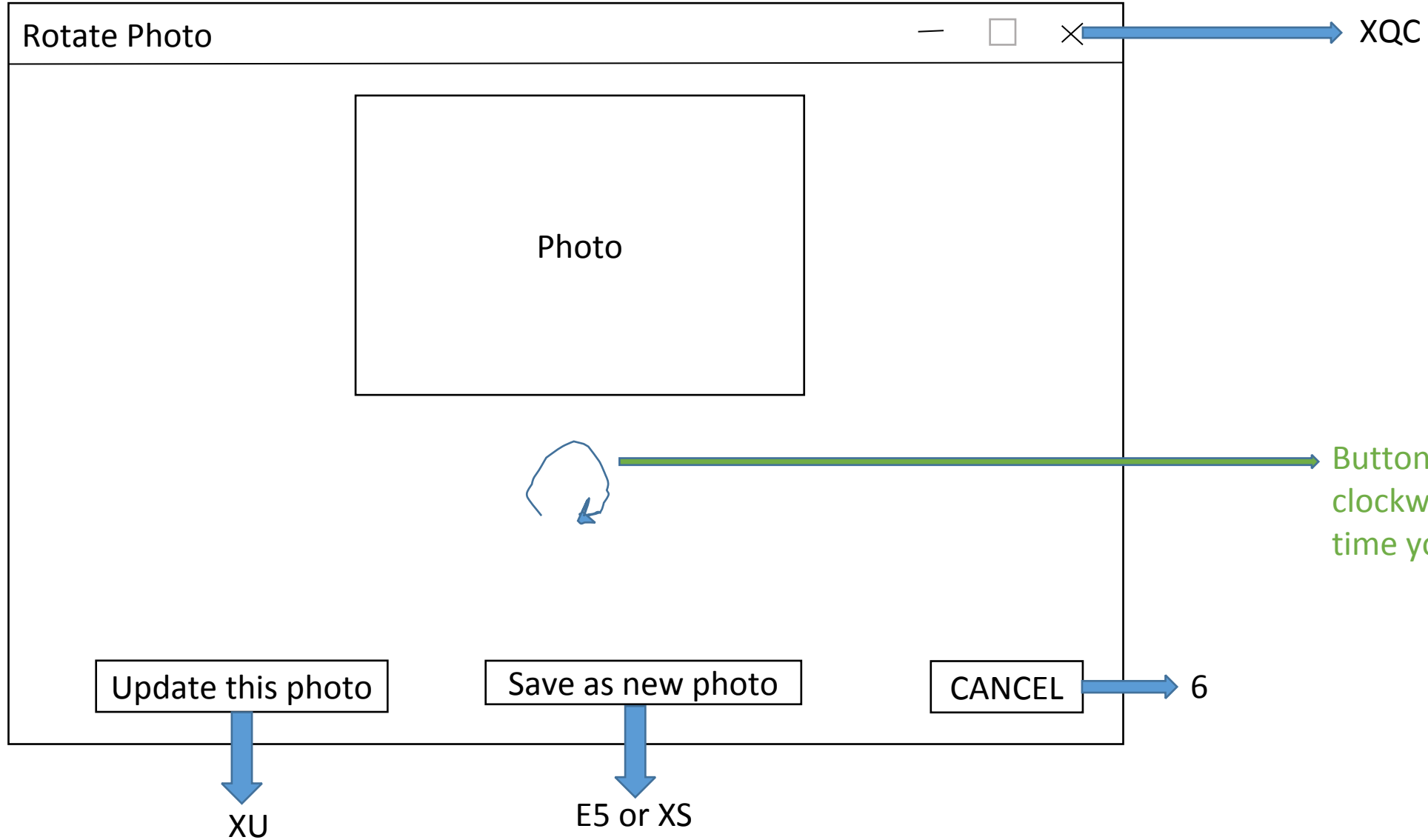


Note to grader about X1:

We may need error pop-up for draggable crop boundary, but we're not sure yet. (It depends on how the user can drag the boundary.)

We may only have "Update this photo" if "Save as new photo" is too difficult to implement because no filepath is given here, unlike regular 'add photos'. (i.e. it depends on how we decide our data structures.)

Rotate Photo X2



Note to grader about X2:

We may only have “Update this photo” if “Save as new photo” is too difficult to implement because no filepath is given here, unlike regular ‘add photos’. (i.e. it depends on how we decide our data structures.)

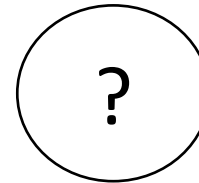
Photo Update

XU

Photo Update



Confirmation



Are you sure you want to update Photo <name> with the <edited> version?

WARNING: You will lose the original photo if you click OK.
This decision is irreversible.

The word <edited> will
be replaced by
"cropped" or "rotated"

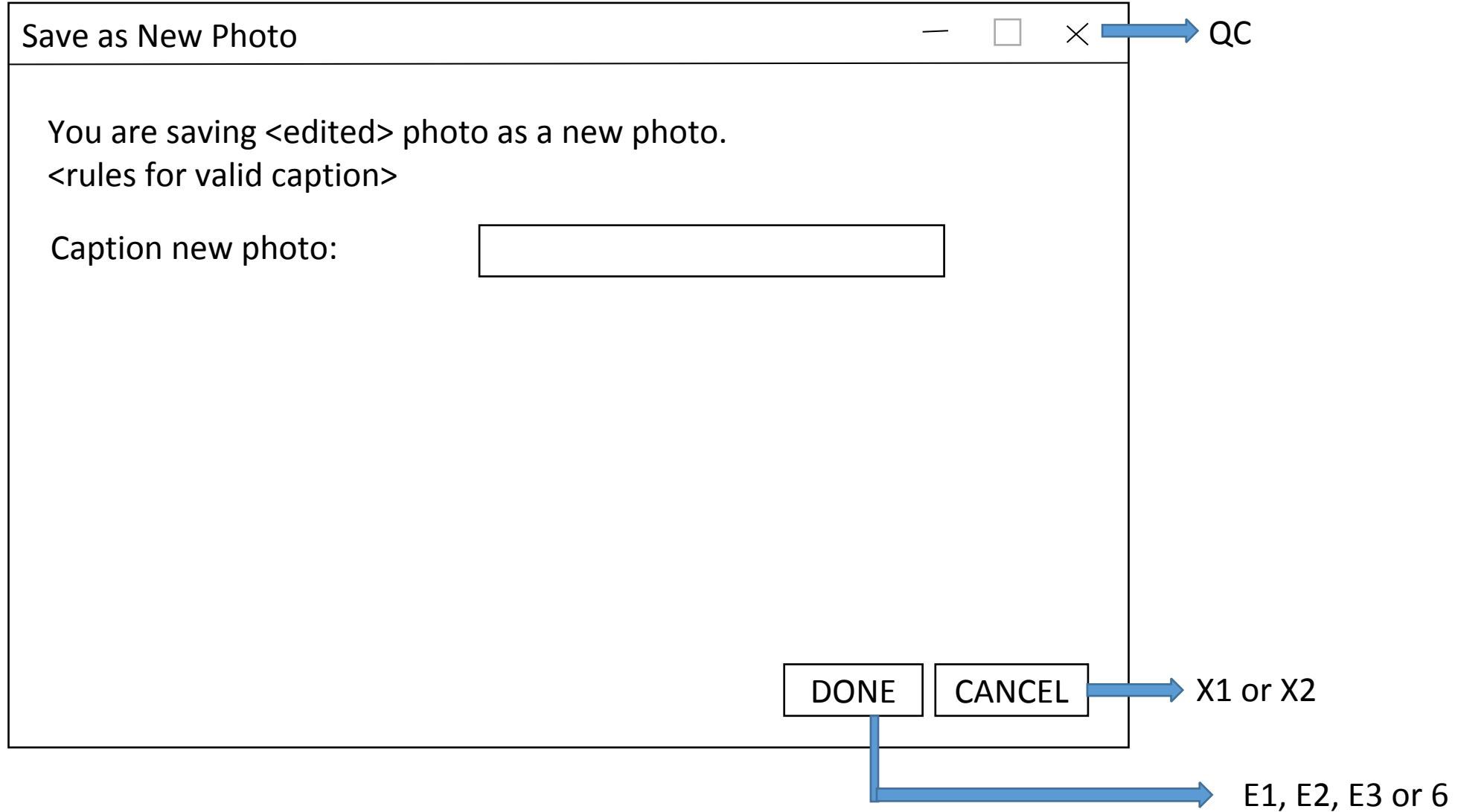
OK

CANCEL

X1 or X2

6

Save as New Photo XS



Album Info

Information

i

Album name: <name>

Number of photos: <number>

Range of dates: mm/dd/yyyy – mm/dd/yyyy

OK

Note: this popup must be closed / click OK before you continue to 4. (Prevents user from editing album while it is in info)

If number = 0, range of dates will say N/A

4

Rename Album

18

Rename Album



QC

<Rules for valid album name>

Edit album name:

<Old value>

DONE

CANCEL

4

E1, E2, E3 or 4

Search for Photos

19

Search for Photos



Search by date



20

Search by tags



21

CANCEL



4

Search by Date 20

Search by Date

—

□

×

→ QC

Enter the range of dates for photos as your search criteria.
Both ends are inclusive.
Format: mm/dd/yyyy

From Date:

To Date:

DONE

CANCEL

→ 19

→ E1, E2, 23 or 24

Note to grader about 20:

We may require the user to enter From date AND To date.

Or if we decide to let the user enter just From date, we will set To date = last date of photos (across albums)

Or if we decide to let the user enter just To date, we will set From date = earliest date of photos (across albums)

For now we want user to enter BOTH dates, but if we have time we will implement the above functionalities.

The image shows a 'Search by Tags' dialog box with the following content:

Search by Tags

How many TagType=TagValue pairs do you want to search by?

Enter number:

For example, if you want to search for photos where:

1. Location = Paris
2. Person = John
3. Person = Betty

Then it is 3 TagType=TagValue pairs. Therefore, enter 3.

Enter any number between 1 and <limit>, inclusive.

At the bottom right are two buttons: 'DONE' and 'CANCEL'.

Annotations (blue arrows):

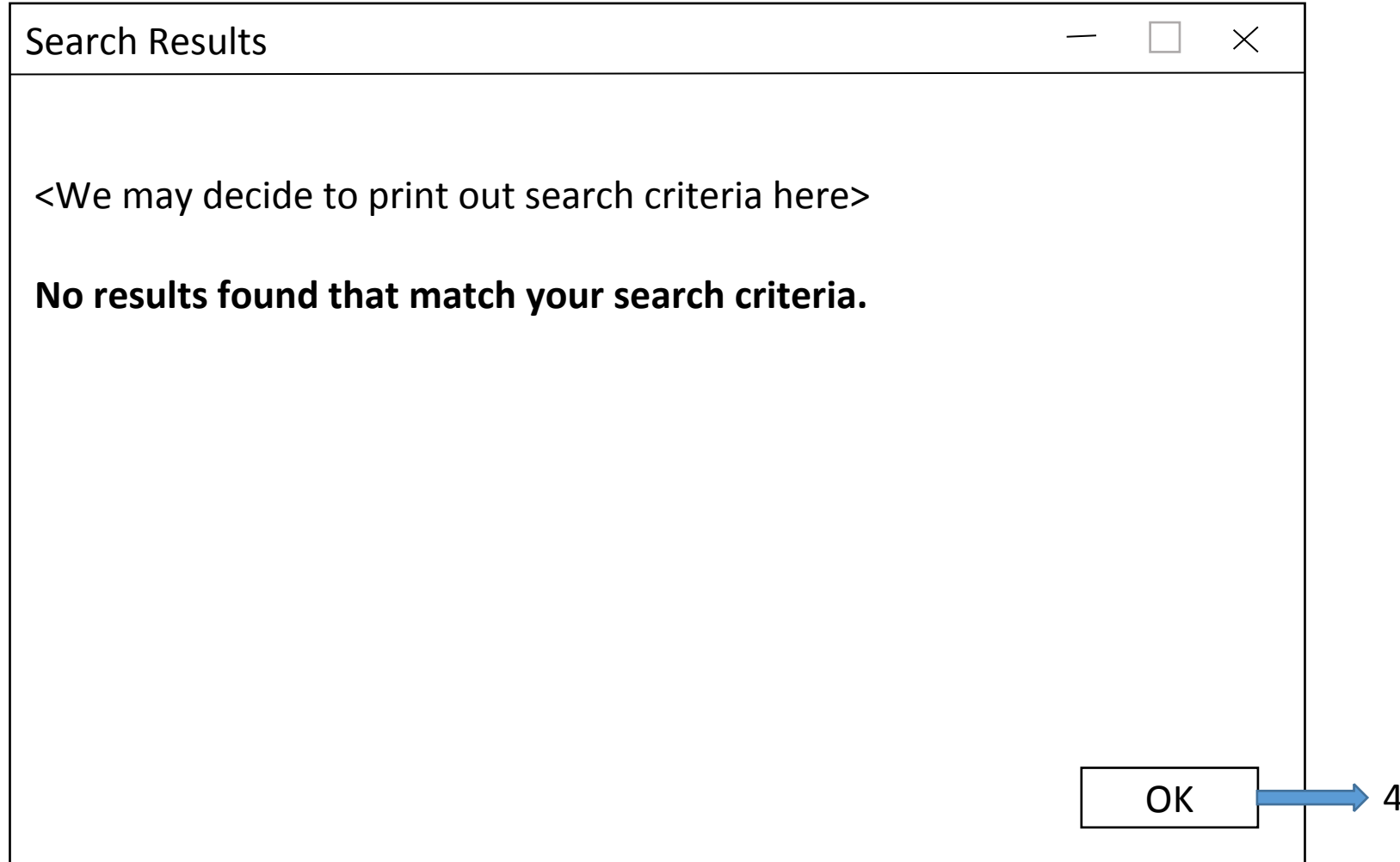
- An arrow points from the window's close button (X) to the label 'QC'.
- An arrow points from the 'CANCEL' button to the label '19'.
- An arrow points from the 'DONE' button to the label 'E1, E2 or 22'.

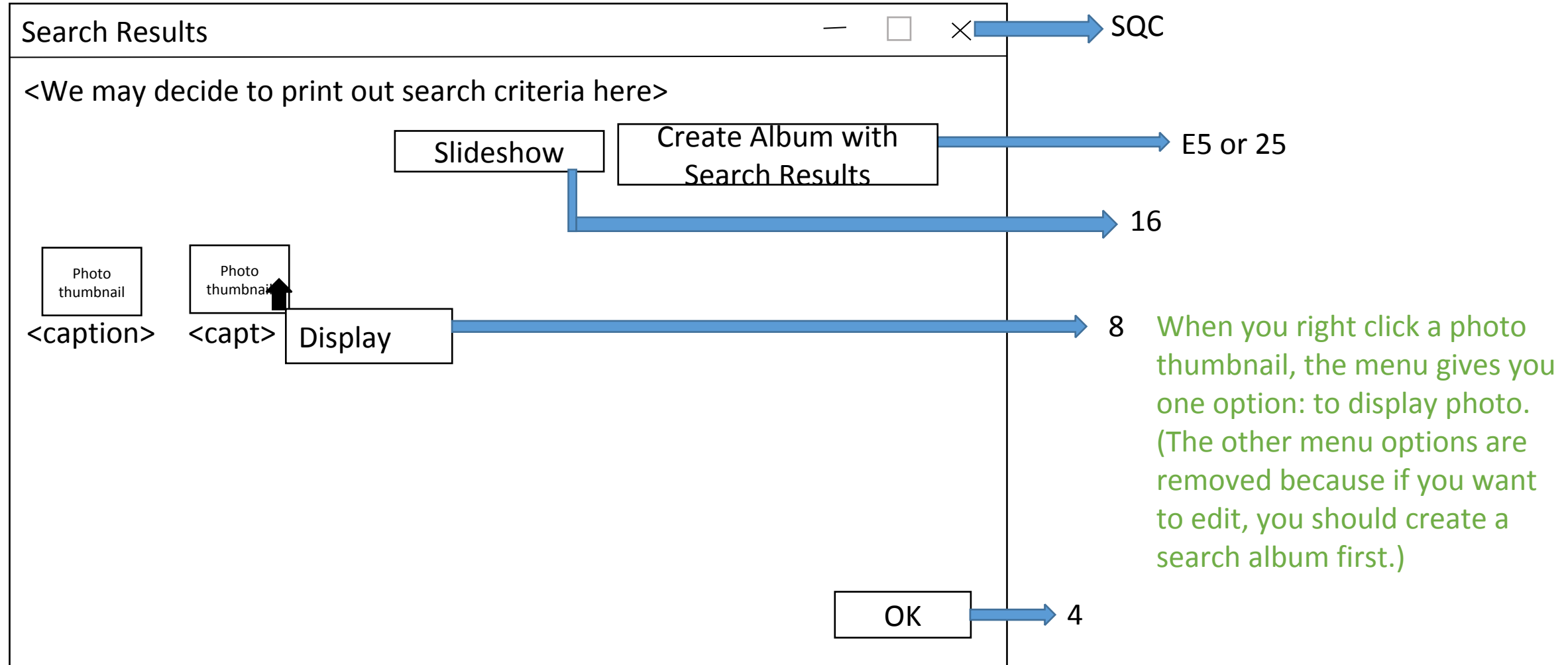
The screenshot shows a dialog box titled "Specify Tags for Search Criteria". It contains two columns: "Tag Type" and "Tag Value". The "Tag Type" column has three dropdown menus, each with a downward arrow, followed by three vertical dots. The "Tag Value" column has three text input fields, each followed by three vertical dots. At the bottom right, there are two buttons: "DONE" and "CANCEL".

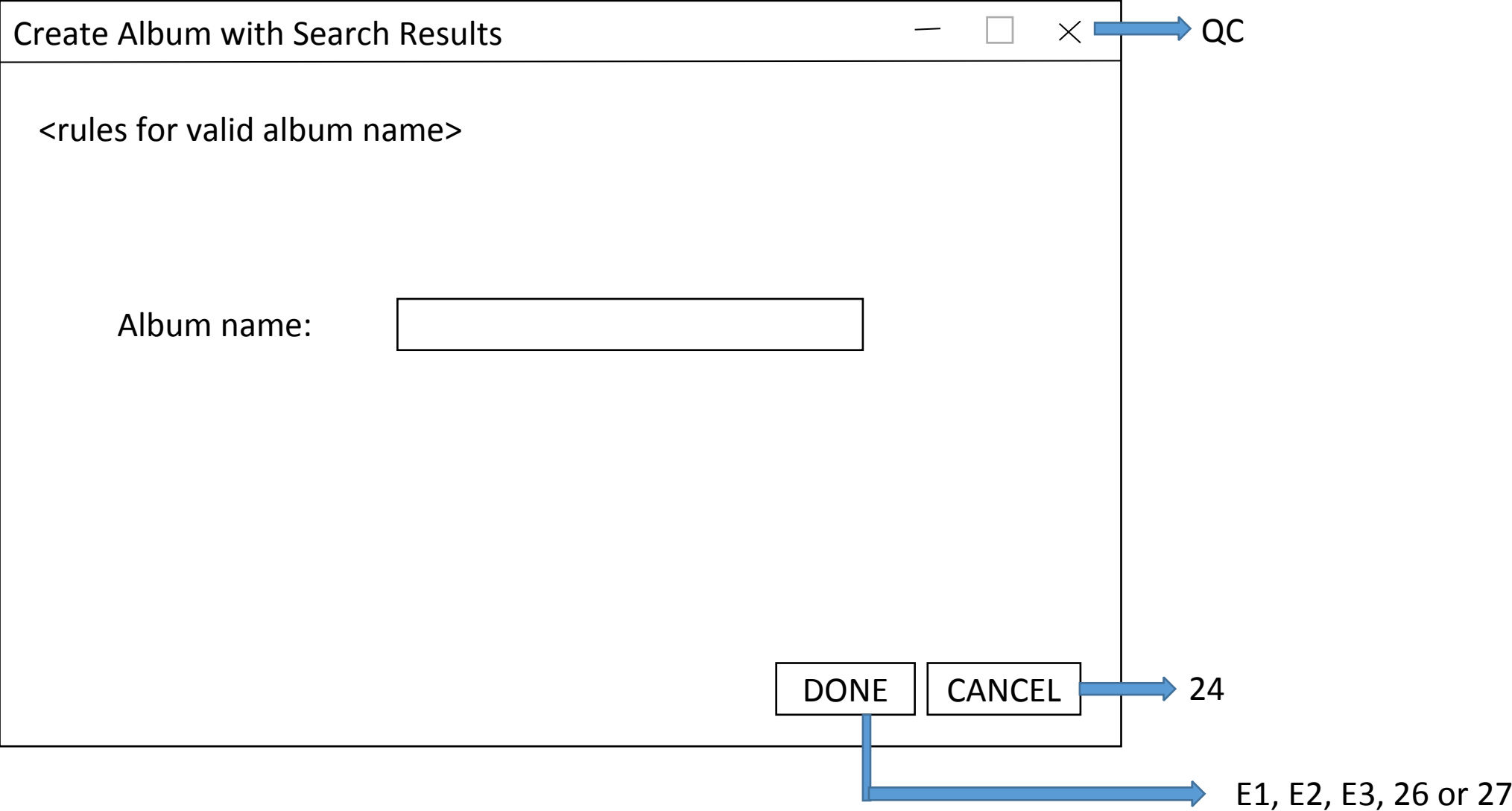
Annotations:

- A blue arrow points from the close button (X) in the dialog's title bar to the text "QC".
- A blue arrow points from the "CANCEL" button to the text "21".
- A blue arrow points from the "DONE" button to the text "E1, E2, E8, 23 or 24".

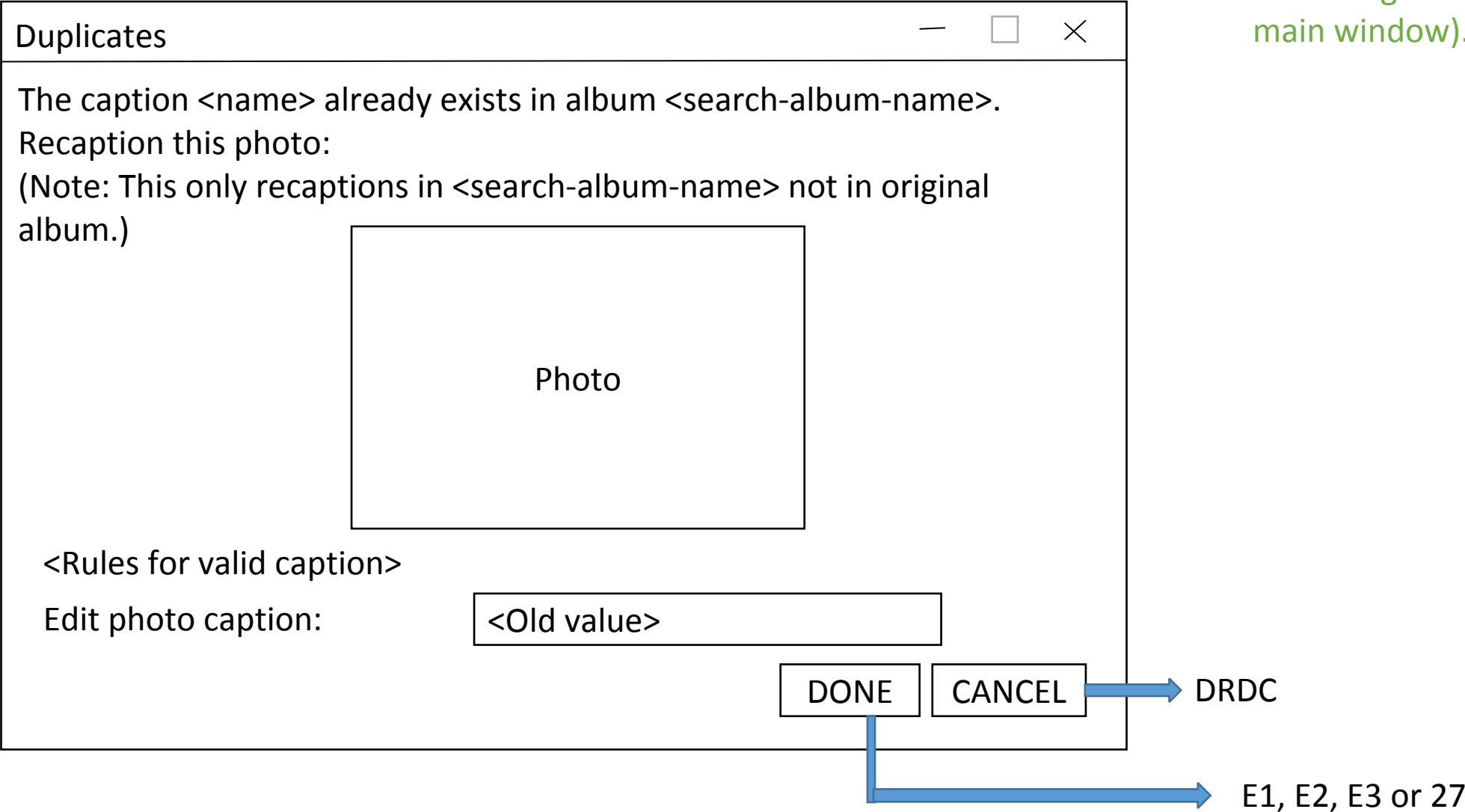
Note: The number of combo boxes and text fields on this scene depends on what the user entered in scene 21.







This is a pop-up which must be acknowledged or closed in order to get back to 25 (the main window).



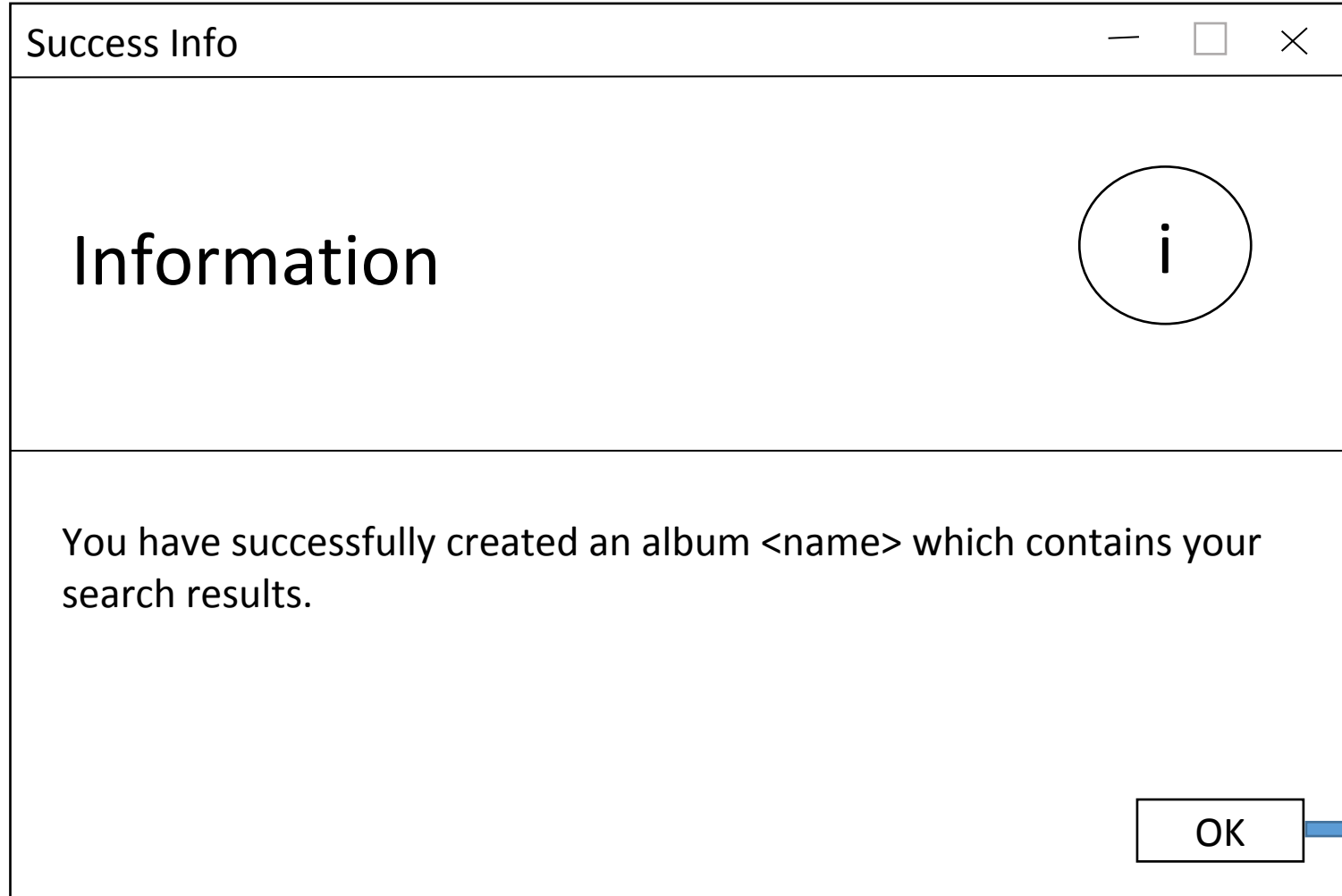
Note to grader about 26:

We may try to auto-recaption the duplicates so that the user doesn't have to. If we accomplish this, then there is no need for 26.

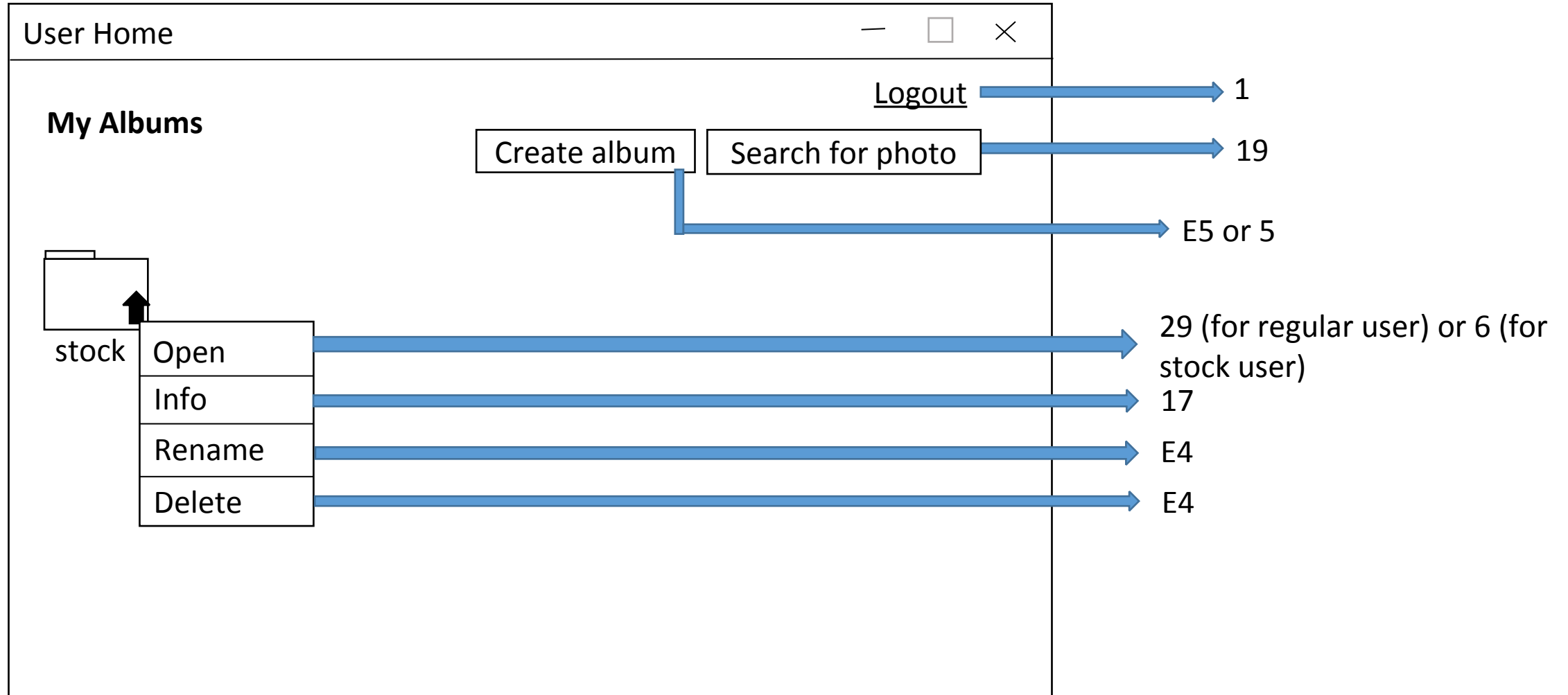
Example: if user searches location = London. Let's say the search results contain 3 duplicate captions called "MyTrip" (each from a different album). When user clicks create album with search results, the new album cannot contain 3 photos with the same caption. So we will try to code it such that the new album contains: "MyTrip", "MyTrip2", "MyTrip3" (i.e the # of copy is appended).

Success Info

27



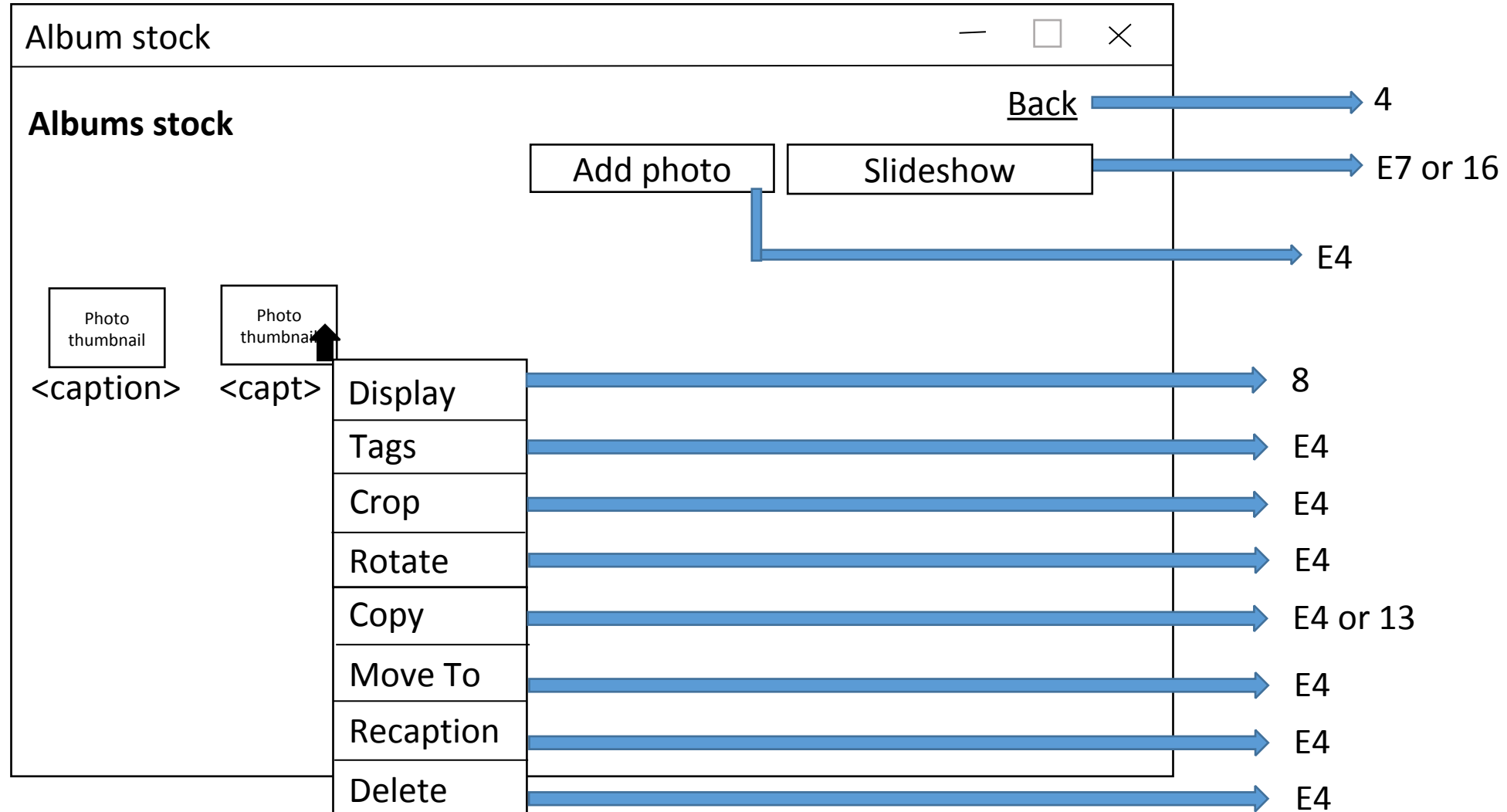
Note: this popup must be closed / click OK before you continue to 4.



Note to grader about 28:

No user (not even stock user) is allowed to rename or delete the stock album.

We want the stock album to exist for all users even if it is empty so that if stock user makes changes inside the stock album, those changes can be reflected to all users.



Note to grader about 29:

Regular user can edit anything inside the stock album (i.e. add photos/ tags/ crop/ rotate/ move/ reception/ delete)
This is because we want stock album to be same for all users.

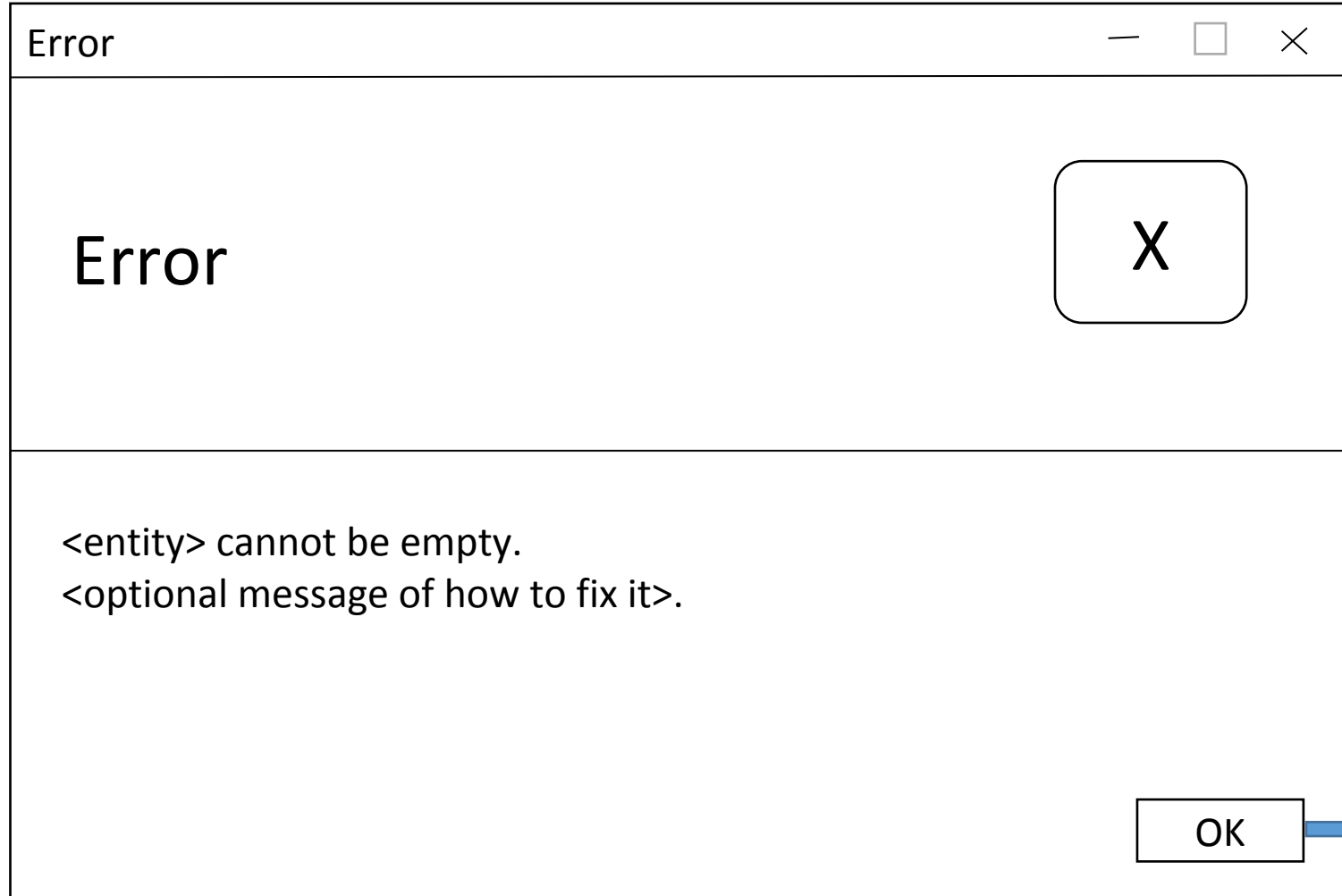
The user can display photo or click slideshow.

The user can copy a photo from the stock album to one of their personal albums (as long as the personal album doesn't already contain that caption).

For example: if a user really wants to crop a stock photo, they can copy the photo from stock album to personal album, and then crop the version that is in their personal album.

Error

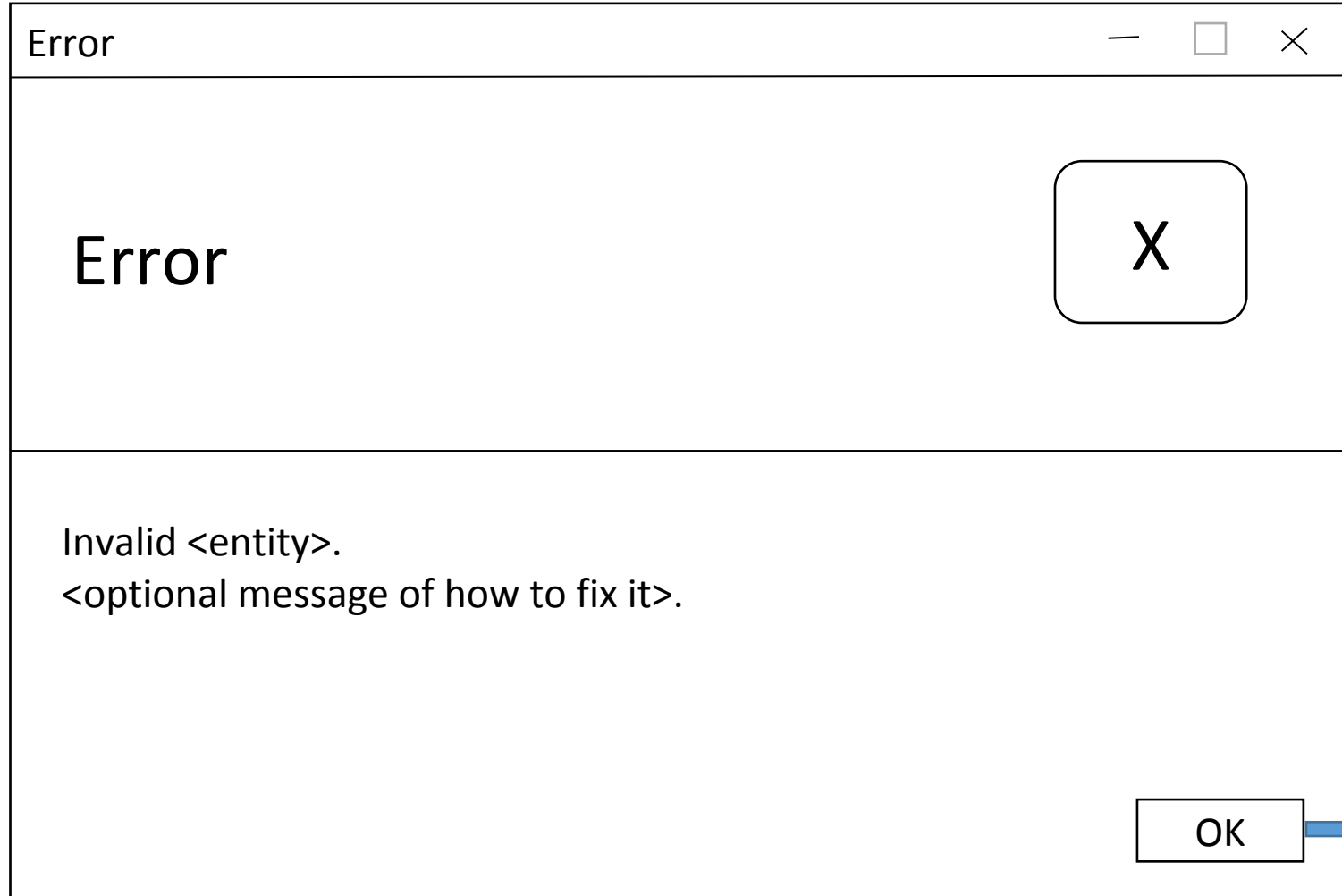
E1



Return to place that called

Error

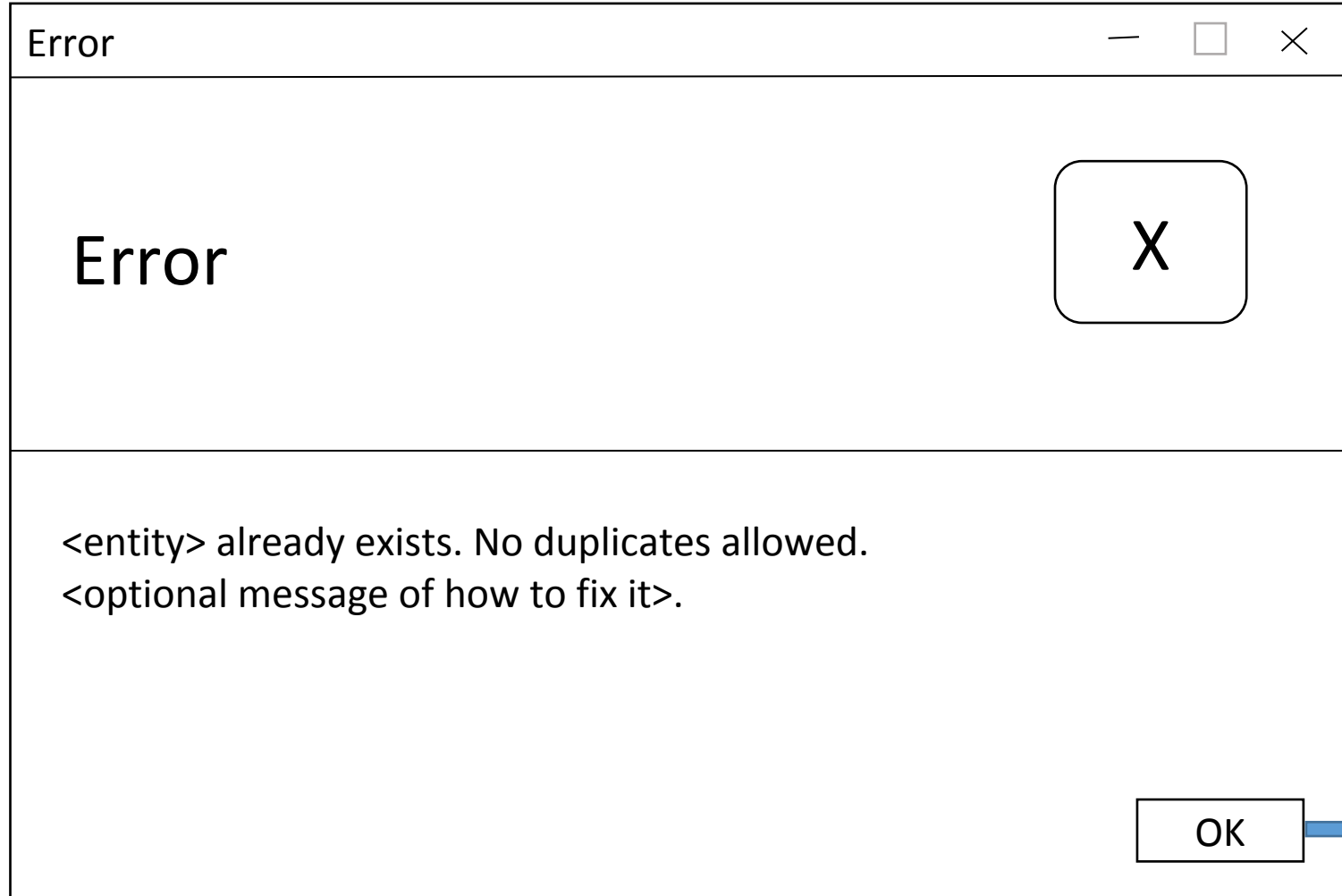
E2



Return to place that called

Error

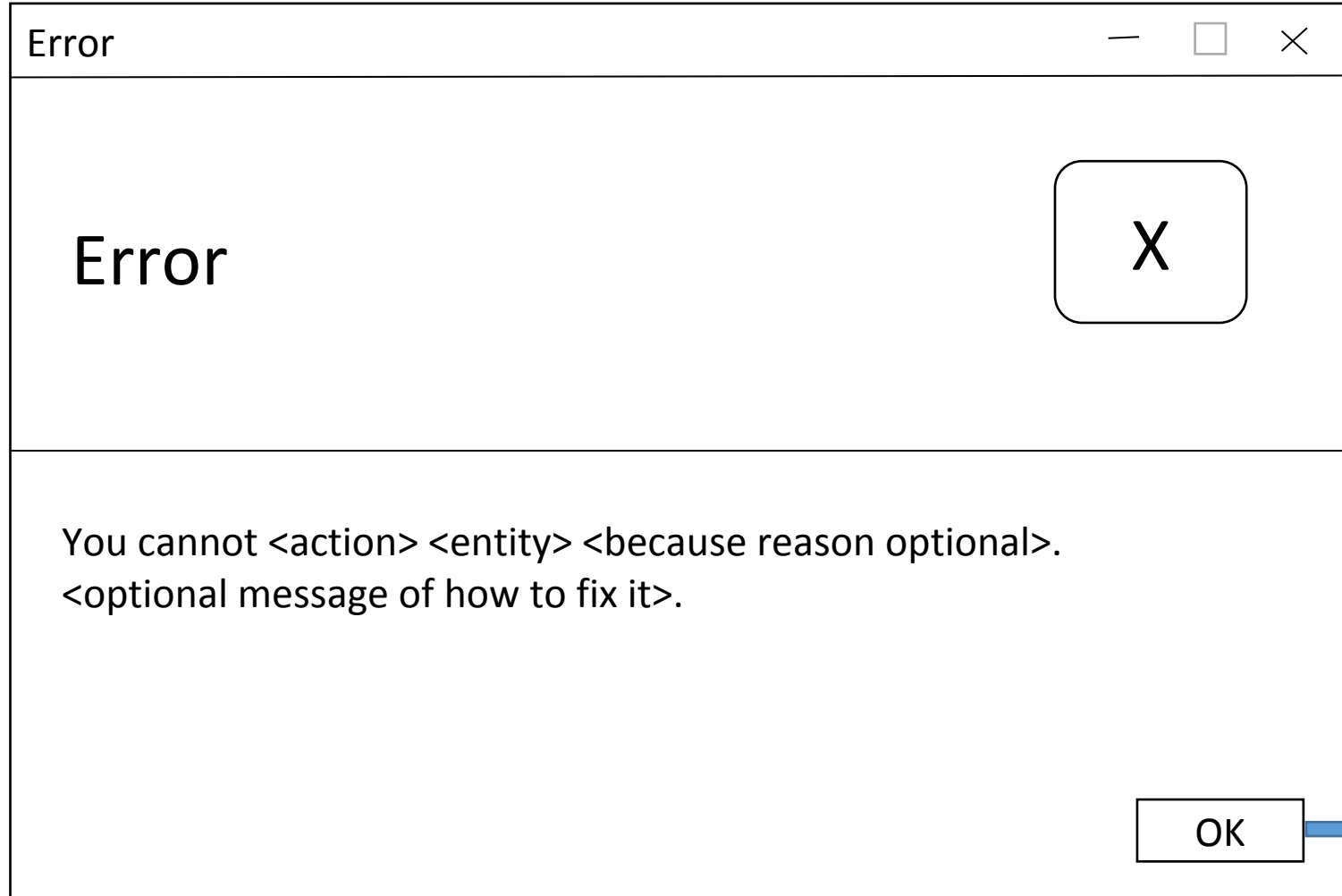
E3



Return to place that called

Error

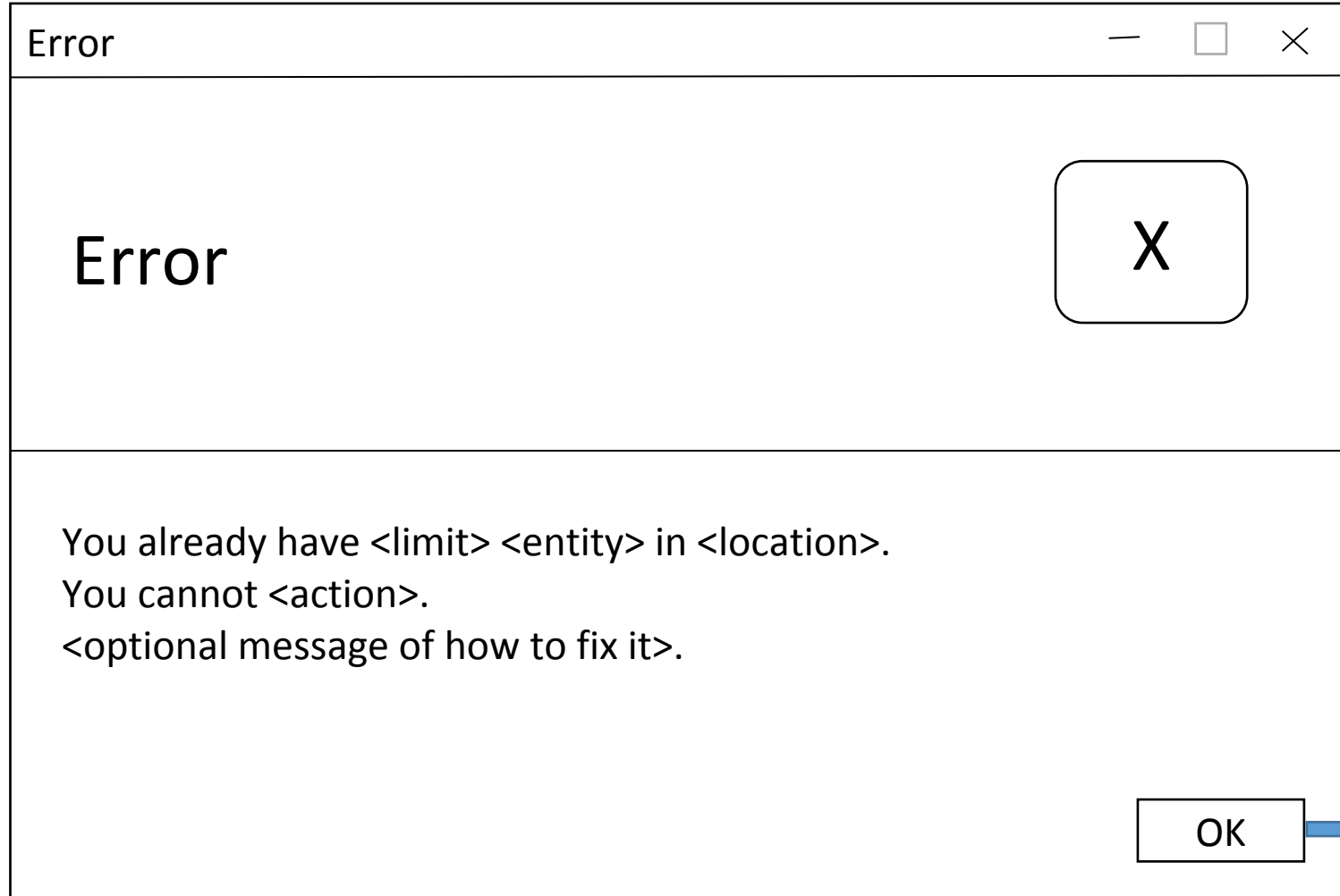
E4



Return to place that called

Error

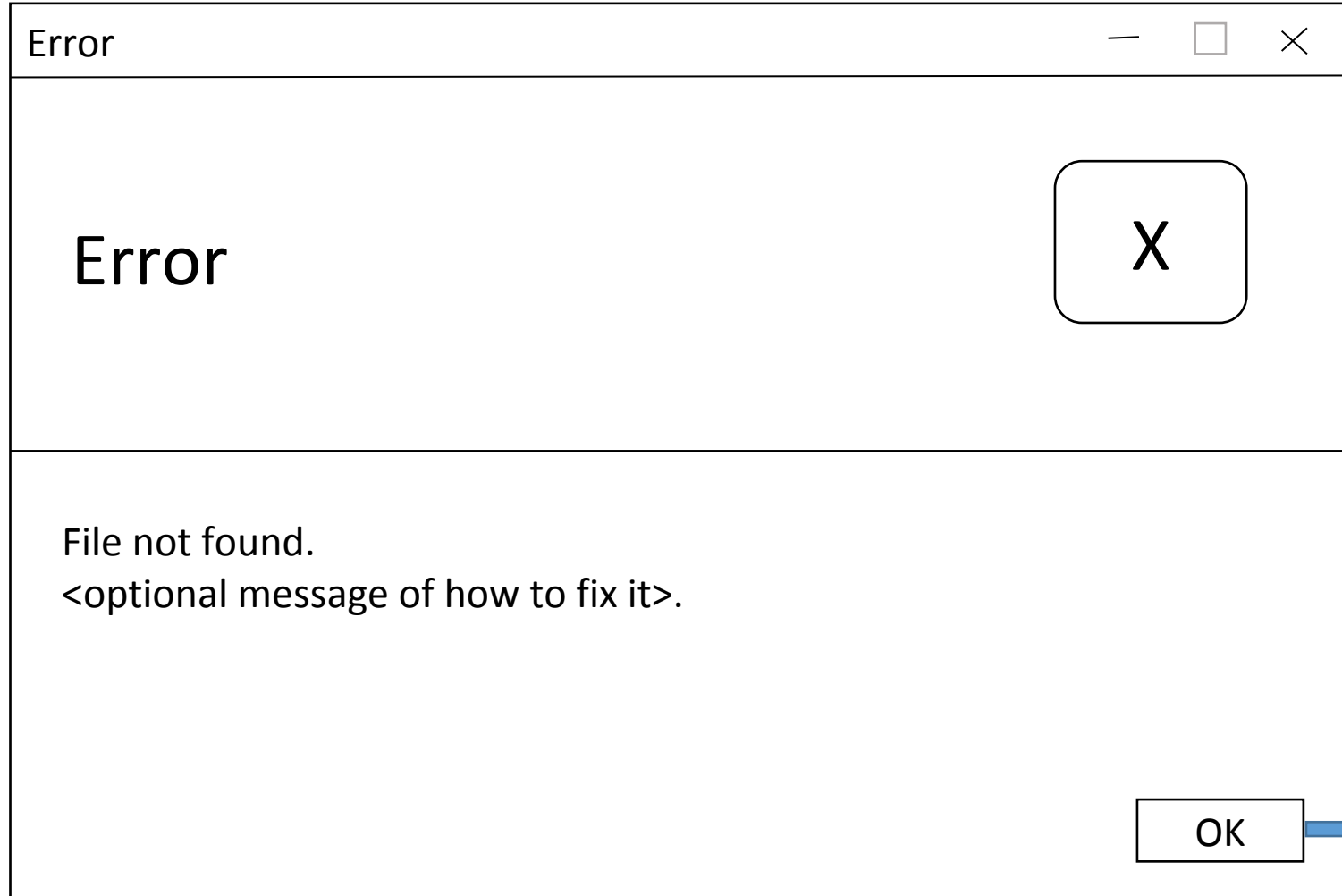
E5



Return to place that called

Error

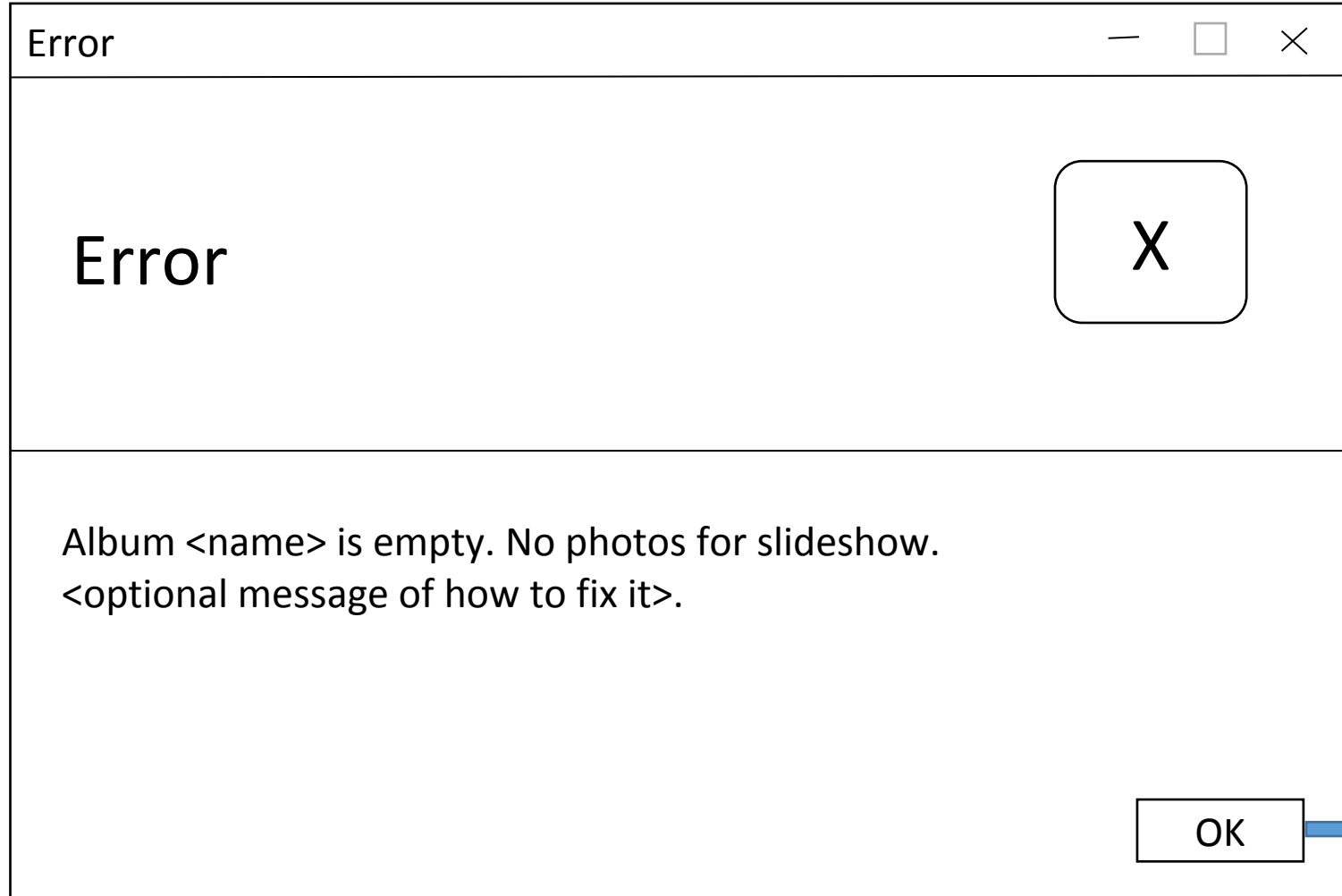
E6



Return to place that called

Error

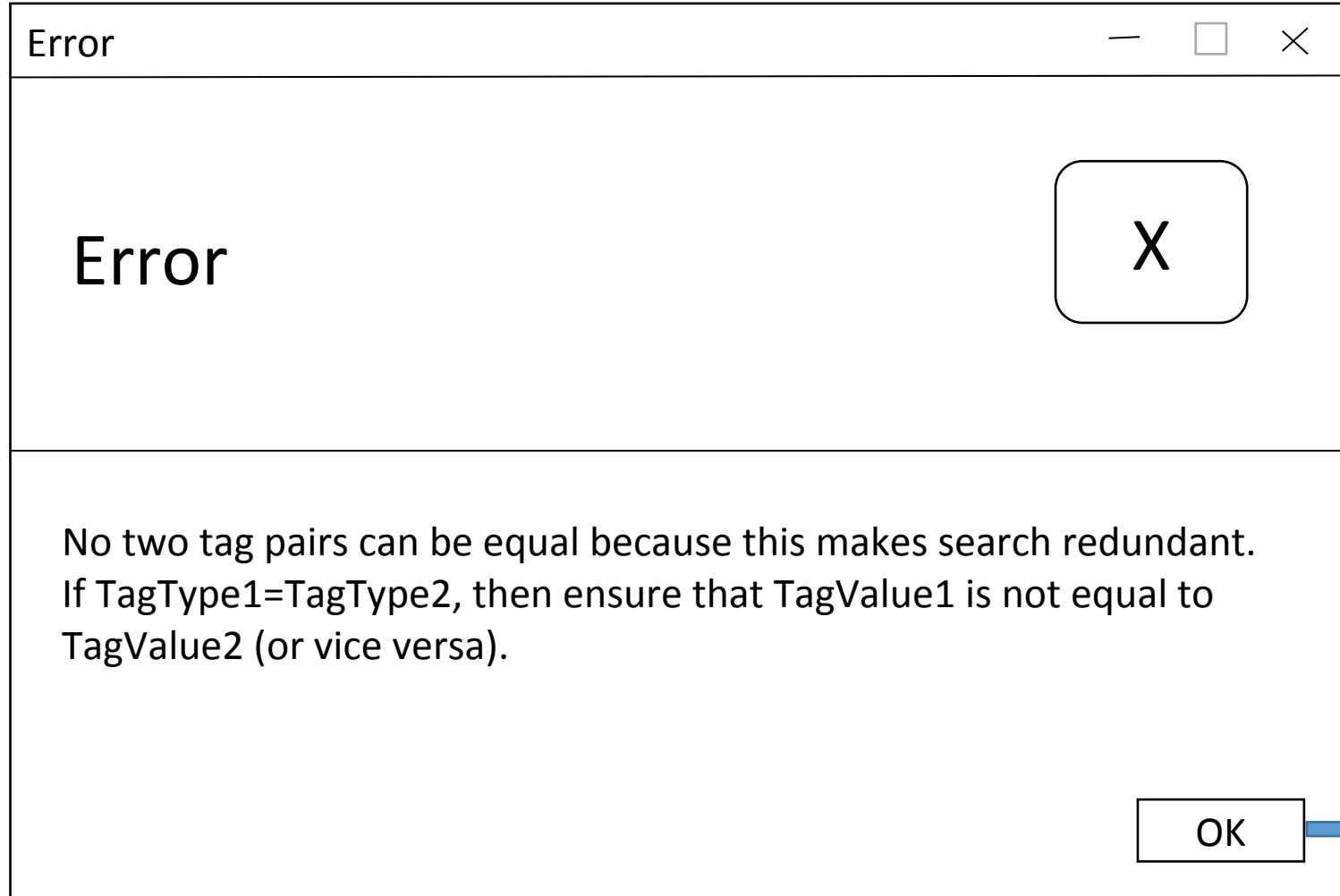
E7



Return to place that called

Error

E8



Return to place that called

Delete Confirmation

DC

Confirmation

Confirmation

Are you sure you want to delete <entity> from <location>?
This decision is irreversible.

OKCANCEL

Don't update and return to place that called

Update and return to place that called

Copy-Paste Confirmation

CPC

Confirmation

Confirmation

Are you sure you want to copy Photo <name> from Album <name> to Album <name>?

OKCANCEL

Don't update and return to place that called

Update and return to place that called

Move Confirmation

MC

Confirmation

Confirmation

?

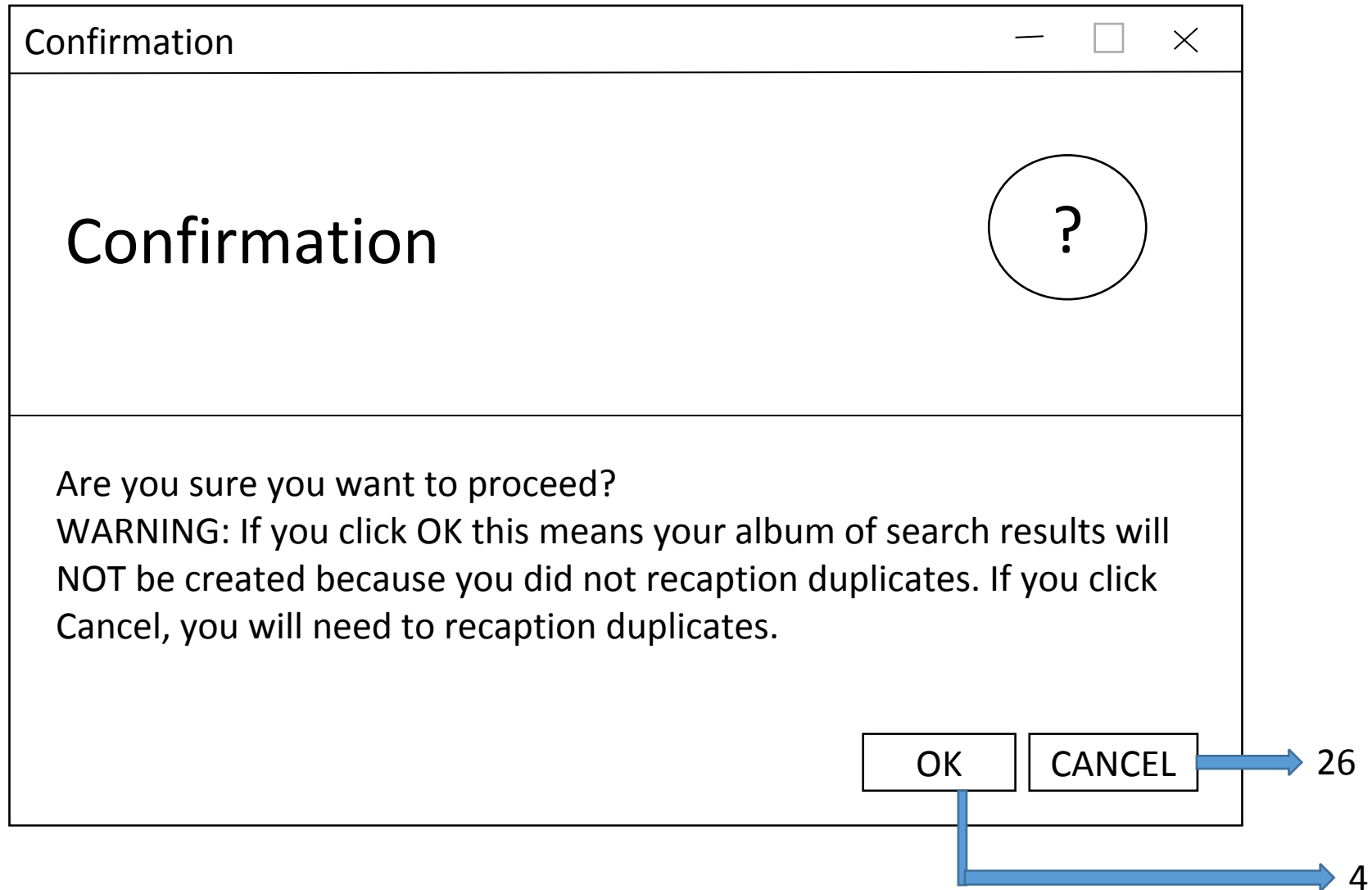
Are you sure you want to move Photo <name> from Album <name> to Album <name>?

OK

CANCEL

Don't update and return to place that called

Update and return to place that called



Quit Confirmation

QC

Confirmation

Confirmation

?

Are you sure you want to quit?

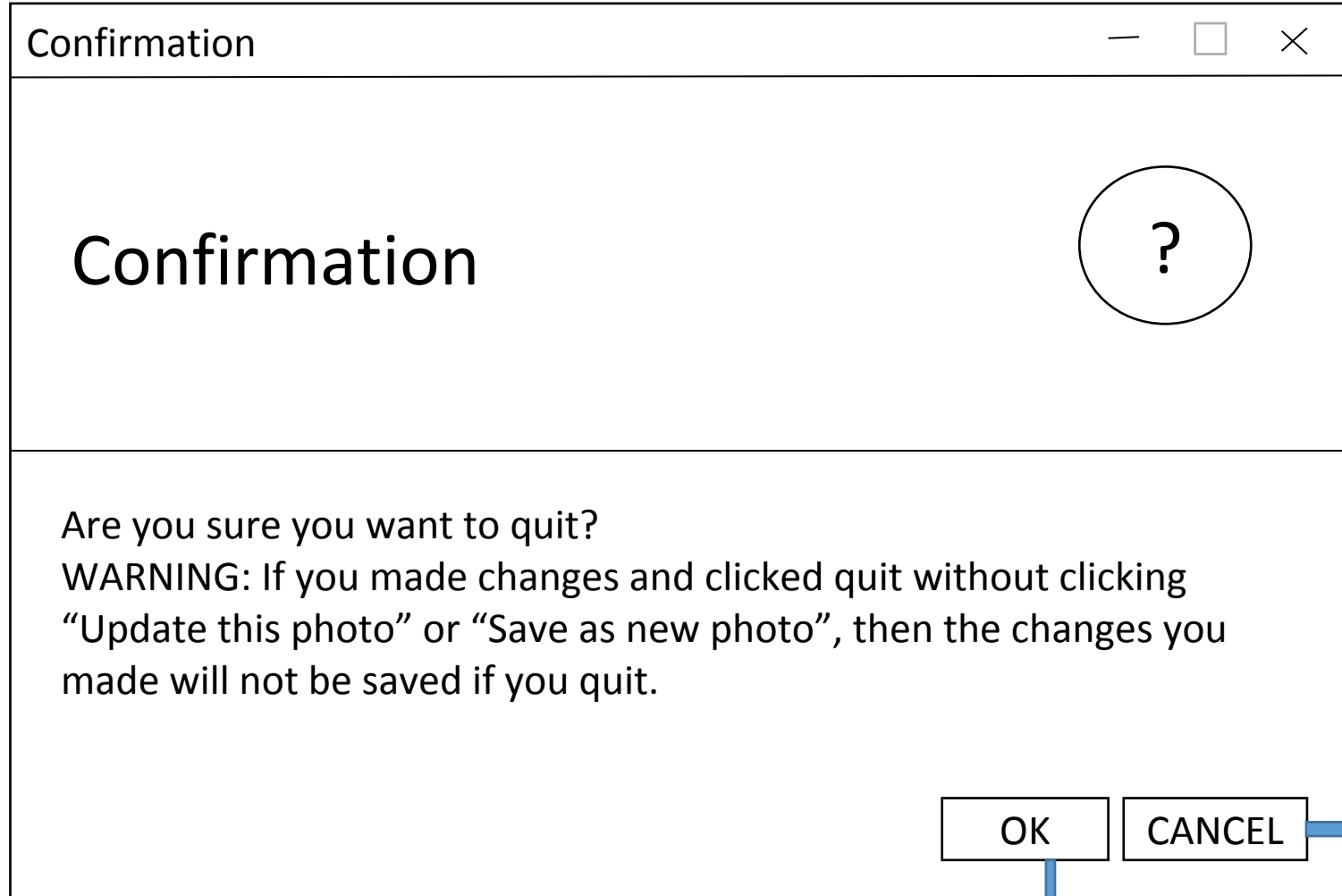
WARNING: If you made changes and clicked quit without clicking done or cancel, then the changes you made will not be saved if you quit.

OK

CANCEL

Return to place that called

Close application



Return to place that called

Close application

For Search Results - Quit Confirmation

SQC

Confirmation

Confirmation

?

Are you sure you want to quit?

WARNING: Your search results won't be saved unless you click "Create album with search results." If you quit now you will lose your search results.

OK

CANCEL

Return to place that called

Close application