

System and Software Architecture Description (SSAD)

Pic Share App (RA)

Team 1

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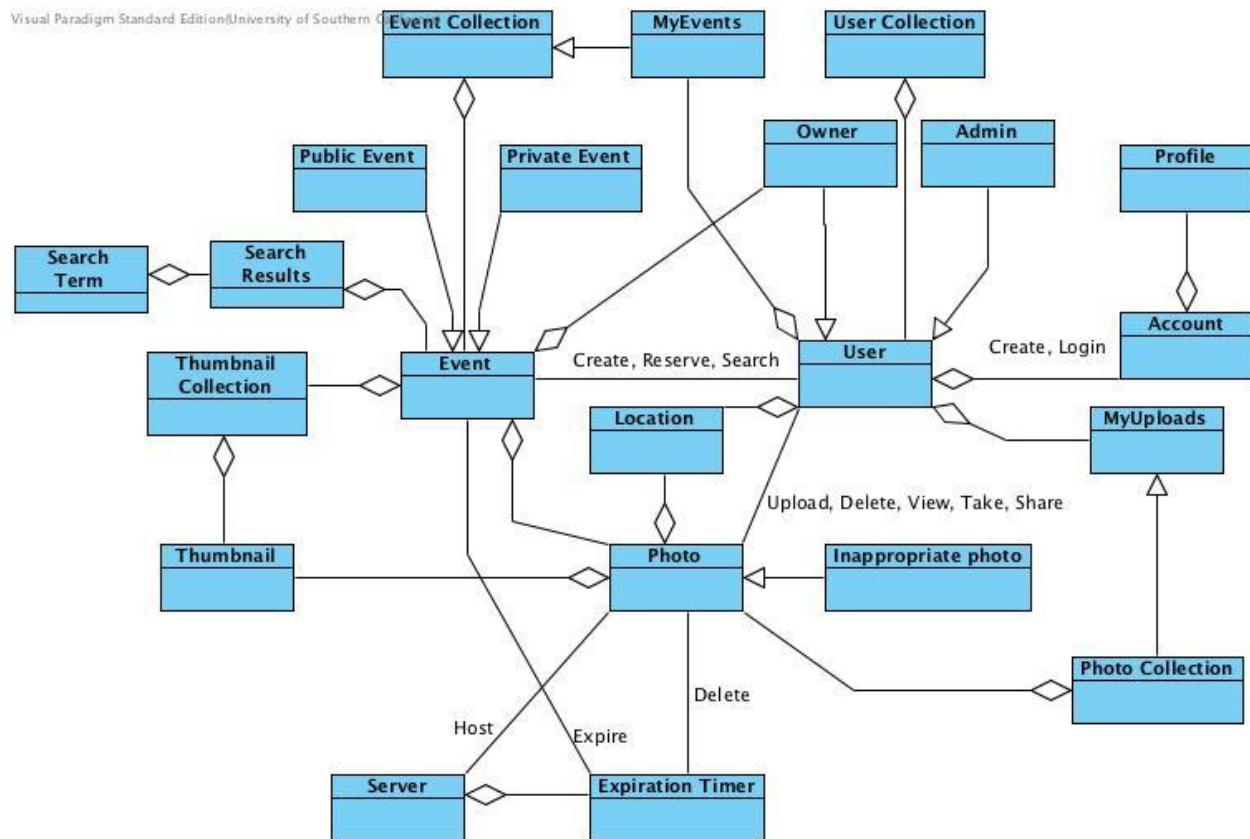
Nicholas Funk – Developer, Quality Assurance Tester

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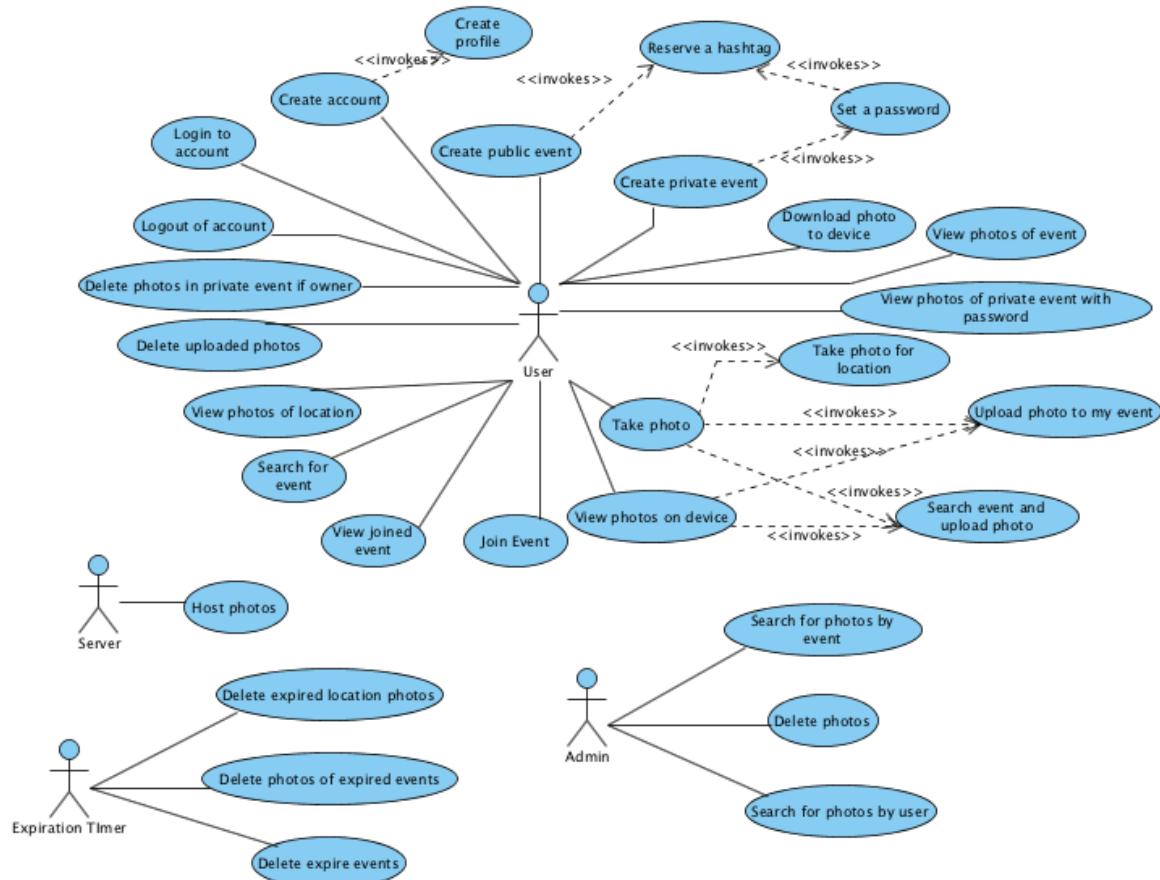
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1. Domain Model & Use Case Diagram

1.1 Domain Model



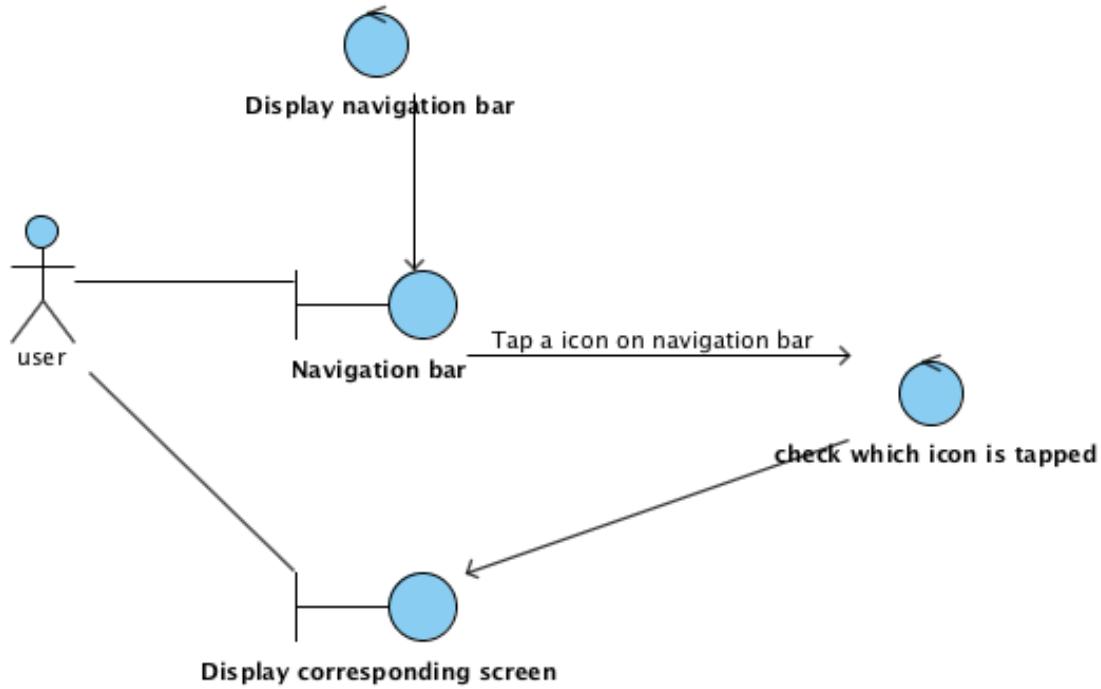
1.2 Use Case Diagram



2. Robustness Diagram

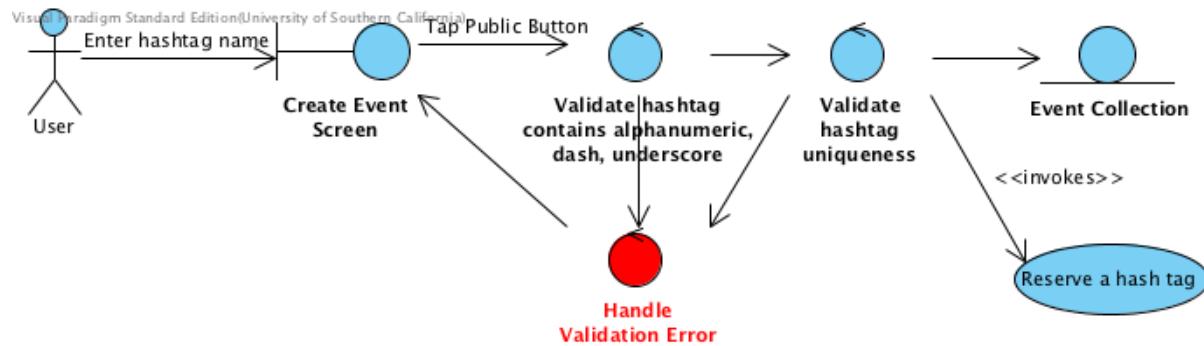
2.1 Navigation Robustness Diagram

Use Case: Navigate between screens

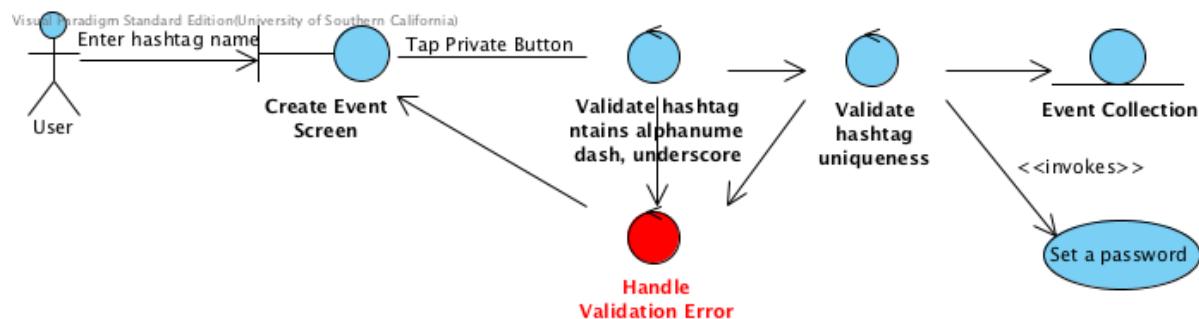


2.2 Event Robustness Diagrams

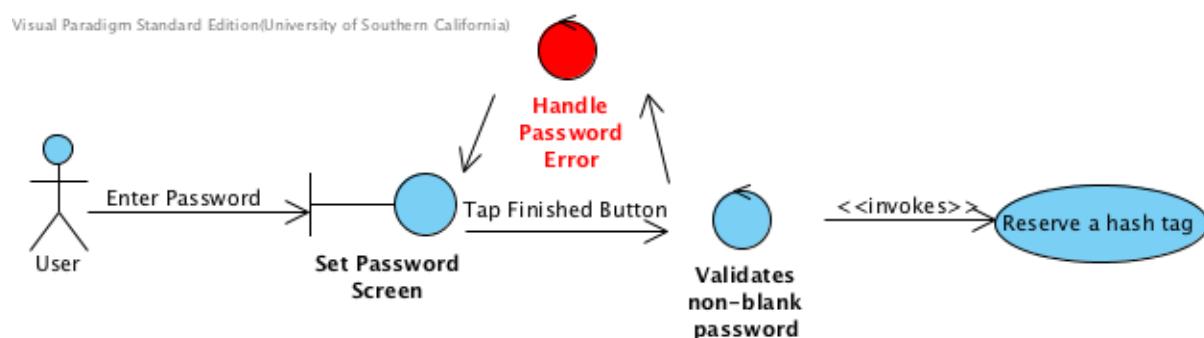
Use Case: Create a public event

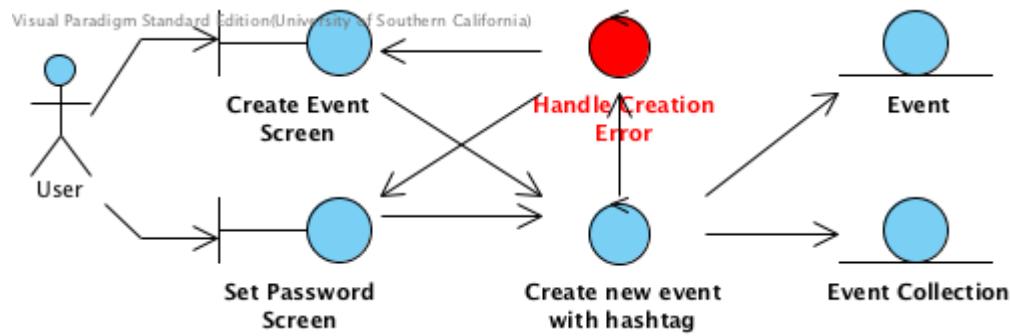
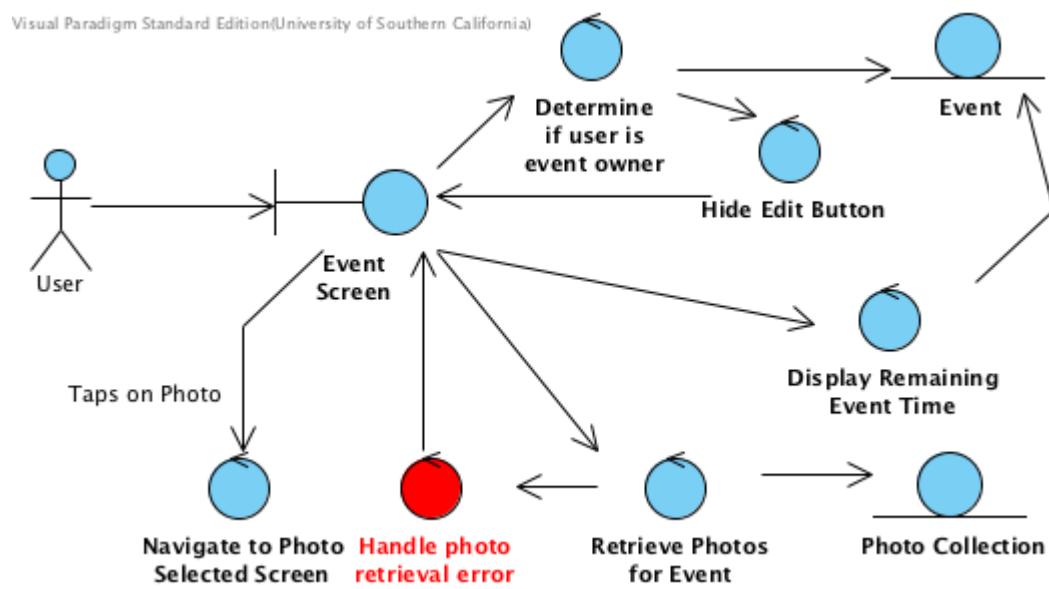


Use Case: Create a Private Event

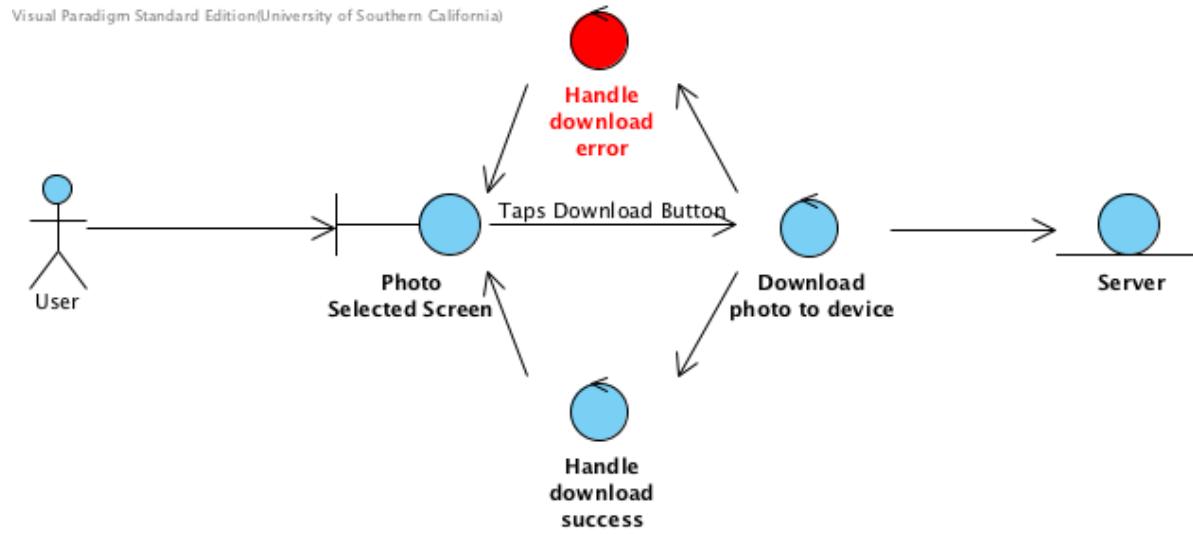


Use Case: Set a Password

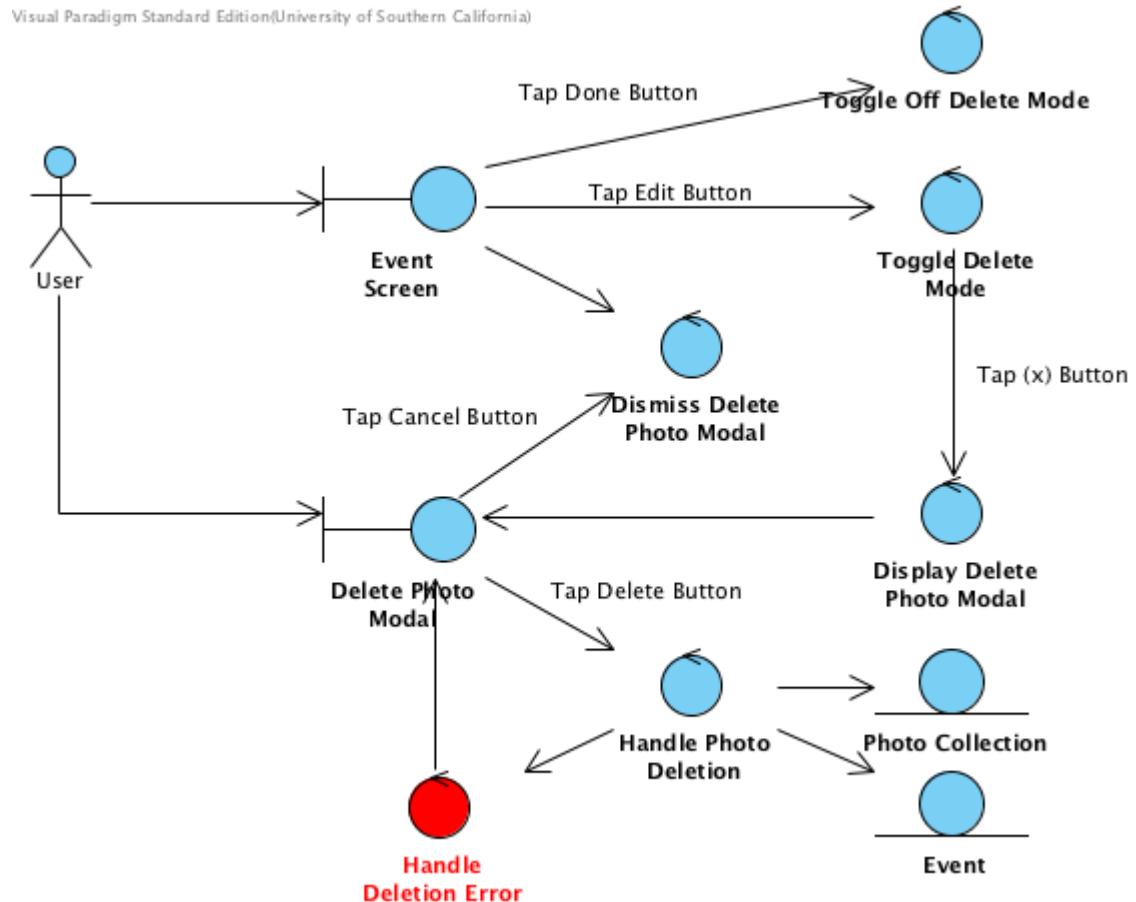


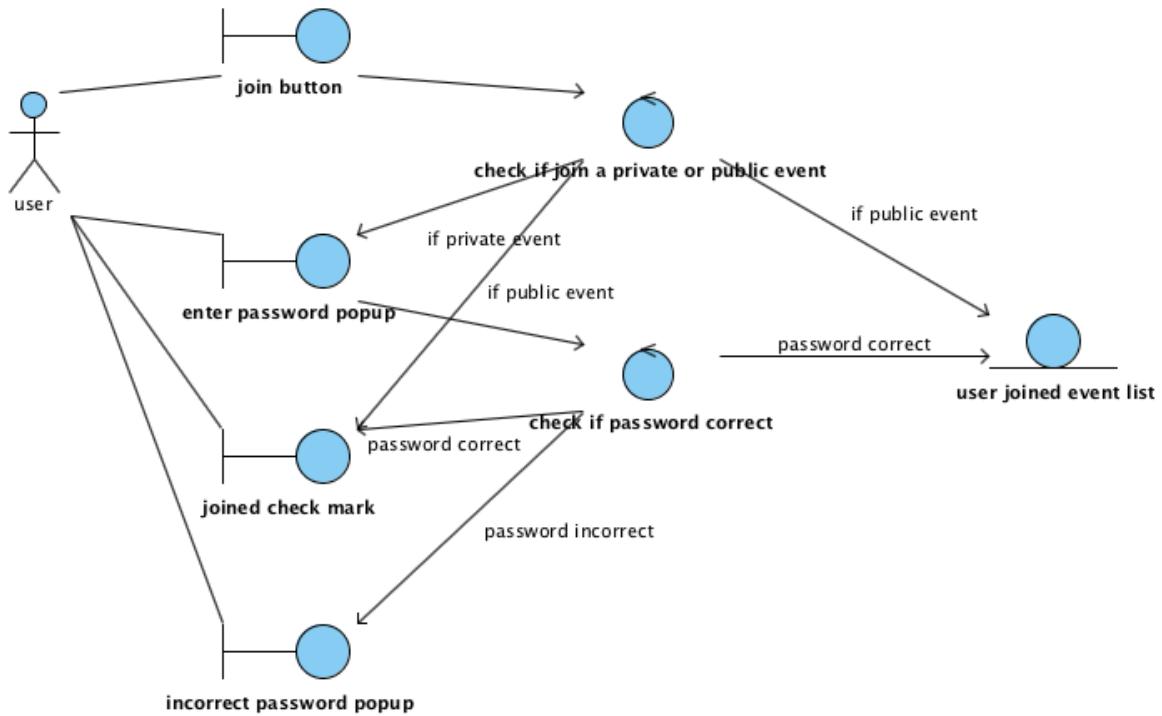
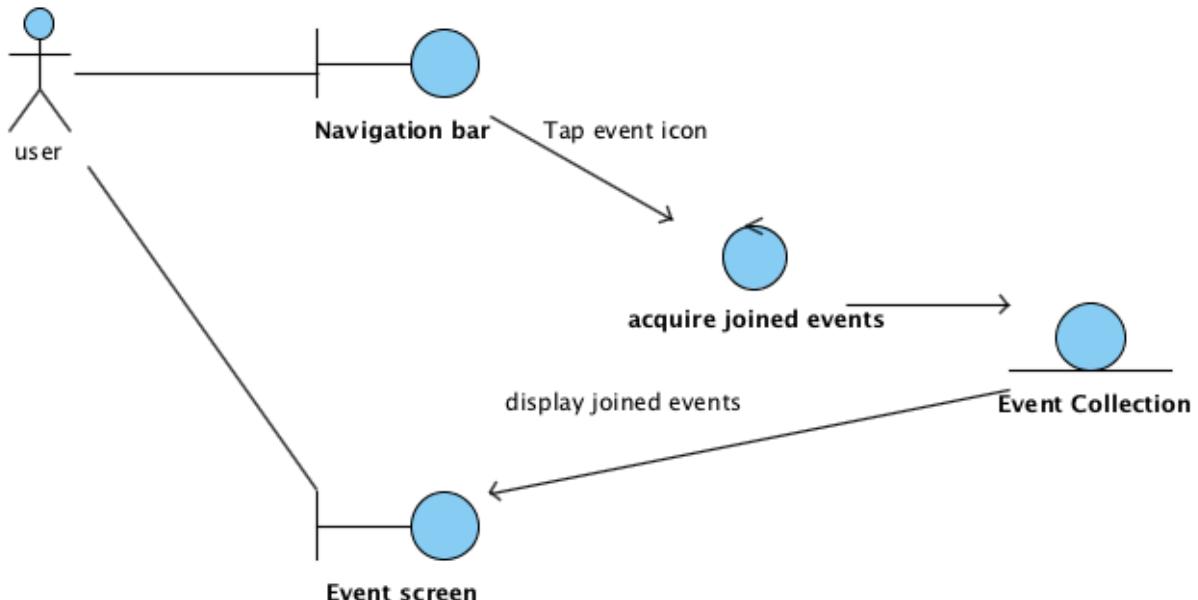
Use Case: Reserve a Hashtag**Use Case: View photos of event/View photos of private event with password**

Use Case: Download Photos to Device



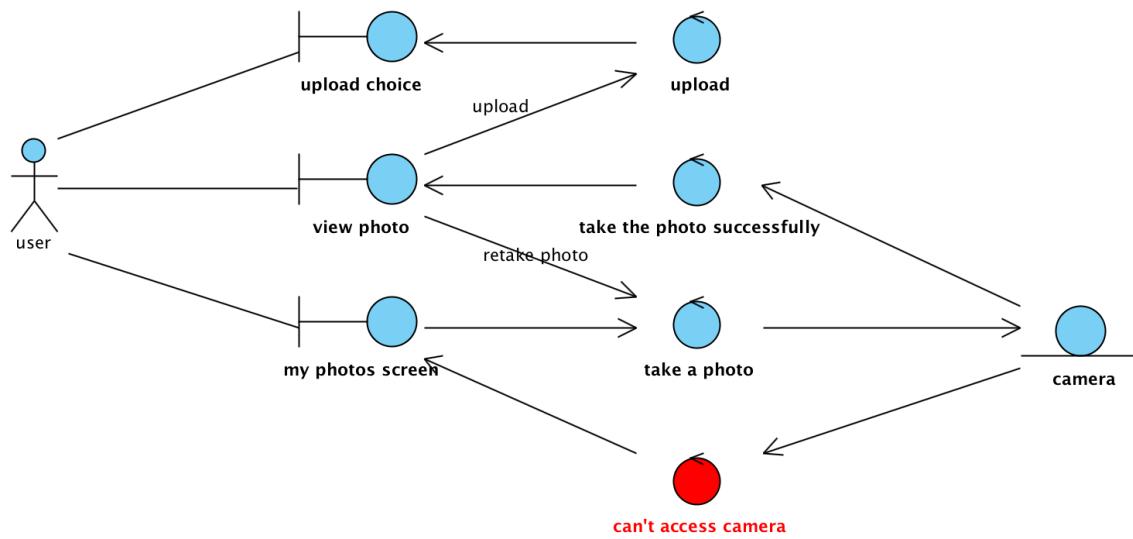
Use Case: Delete Photos in Event if Owner



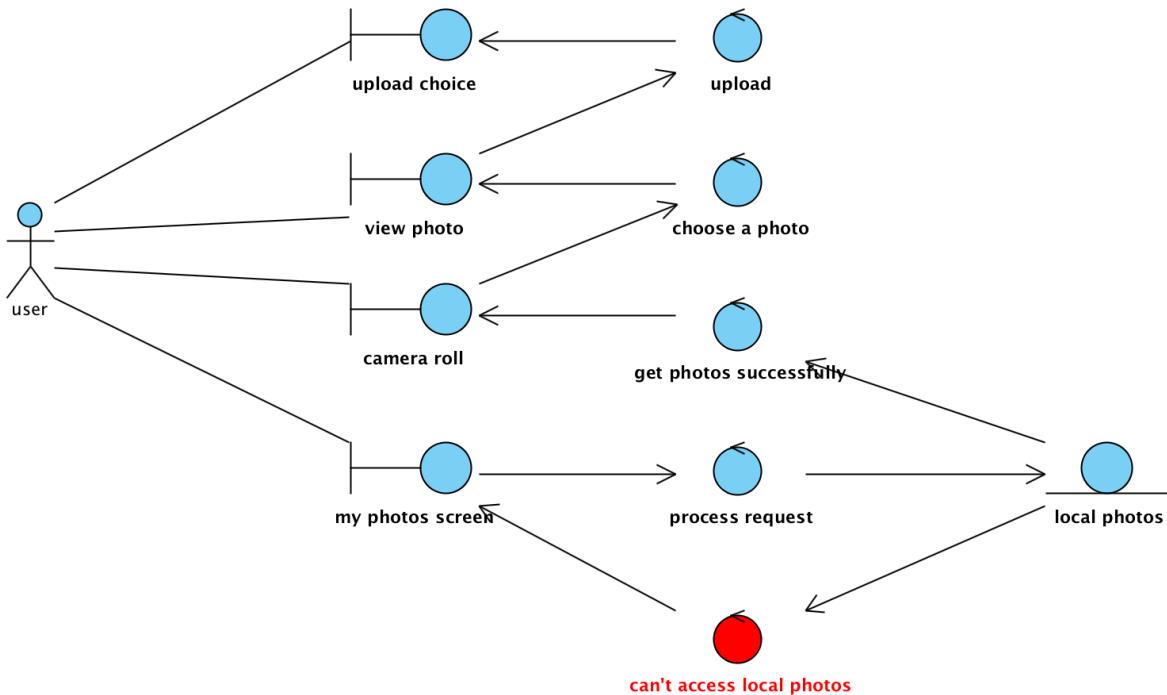
Use Case: Join event**Use Case: View joined Events**

2.3 Photo Management Robustness Diagram

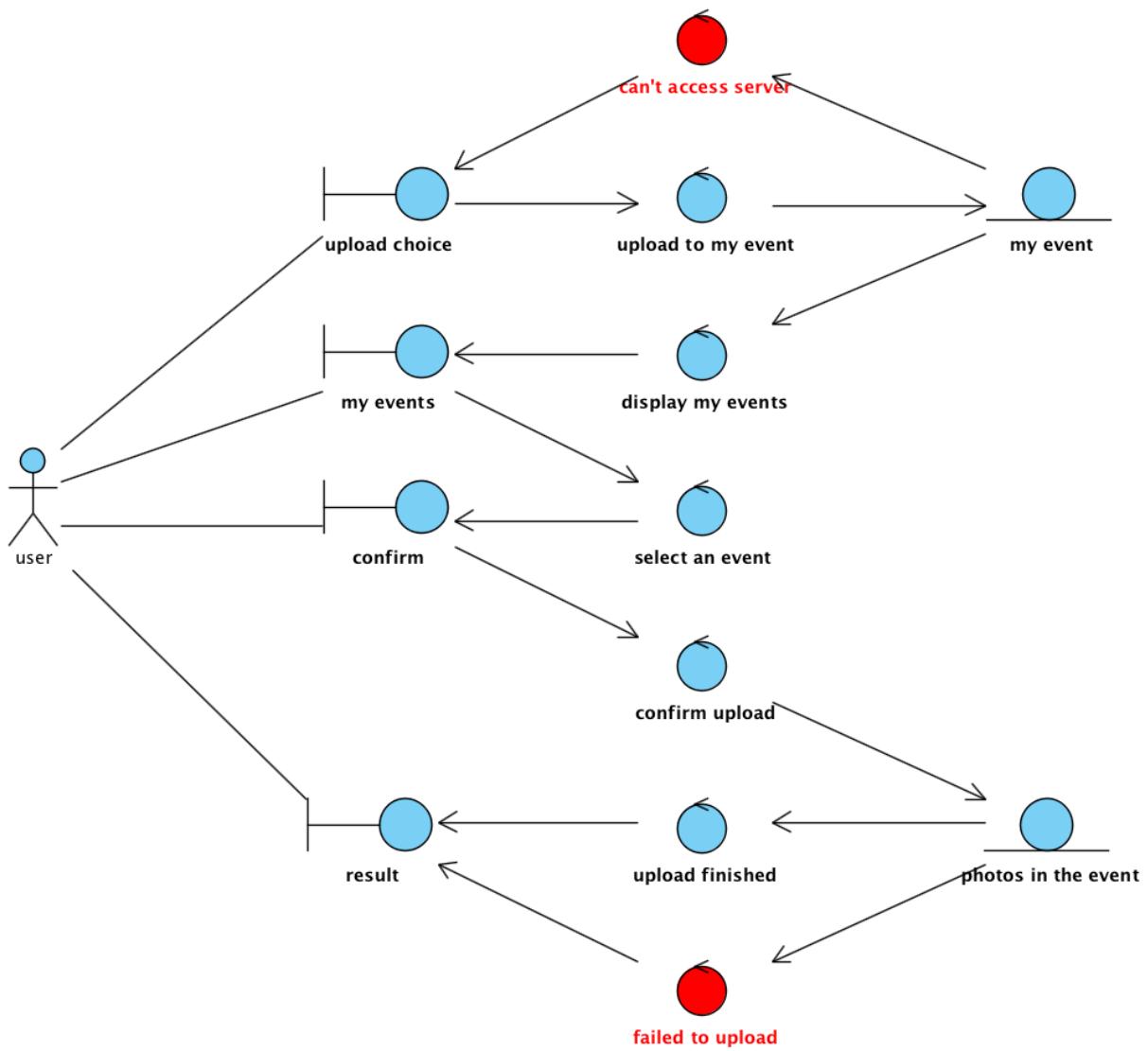
Use Case: Take a photo



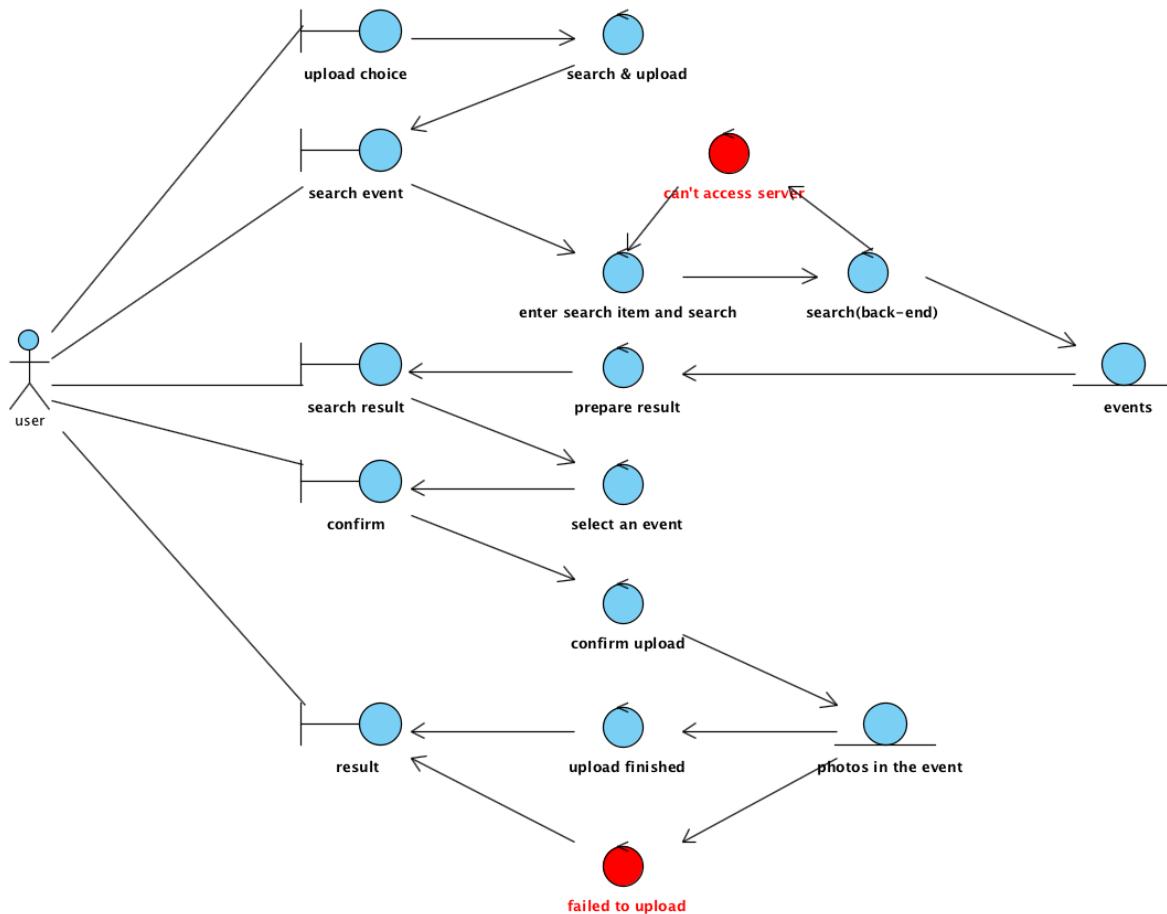
Use Case: View photos on device

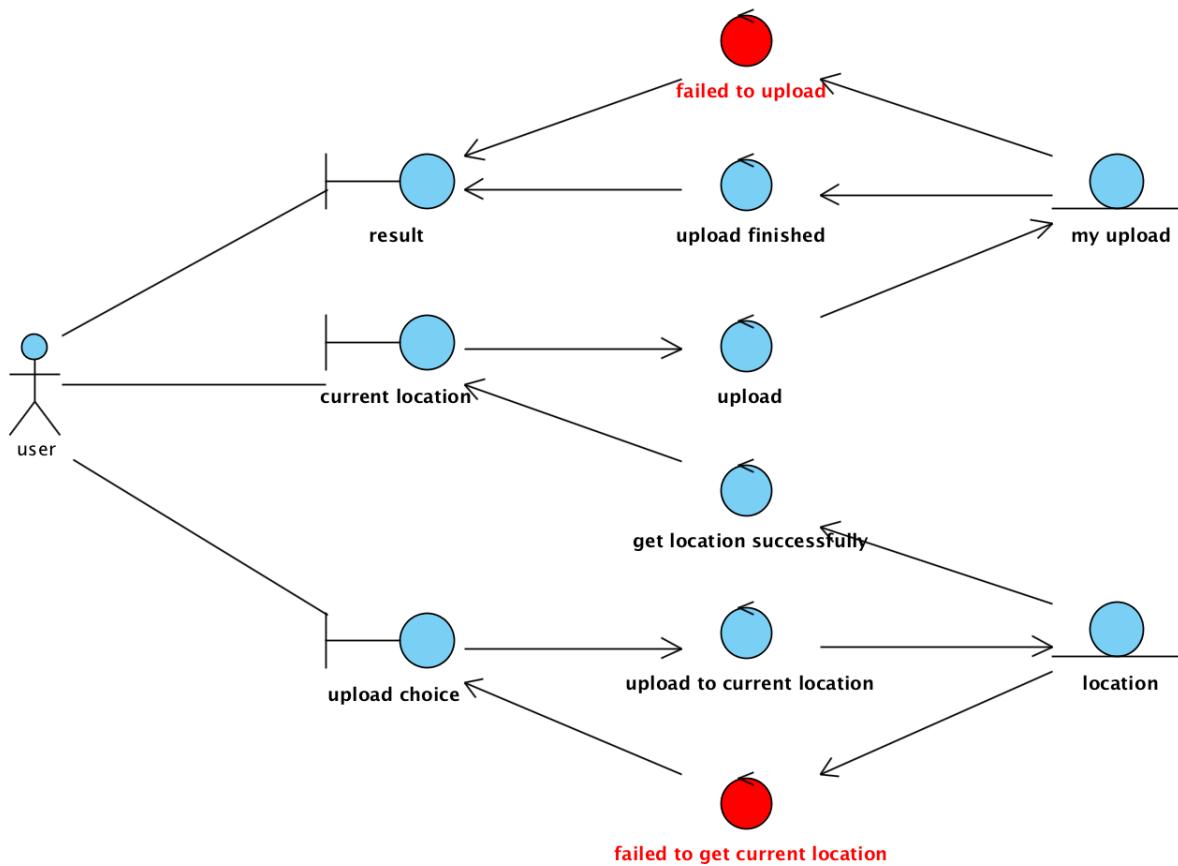


Use Case: Upload photo to my event

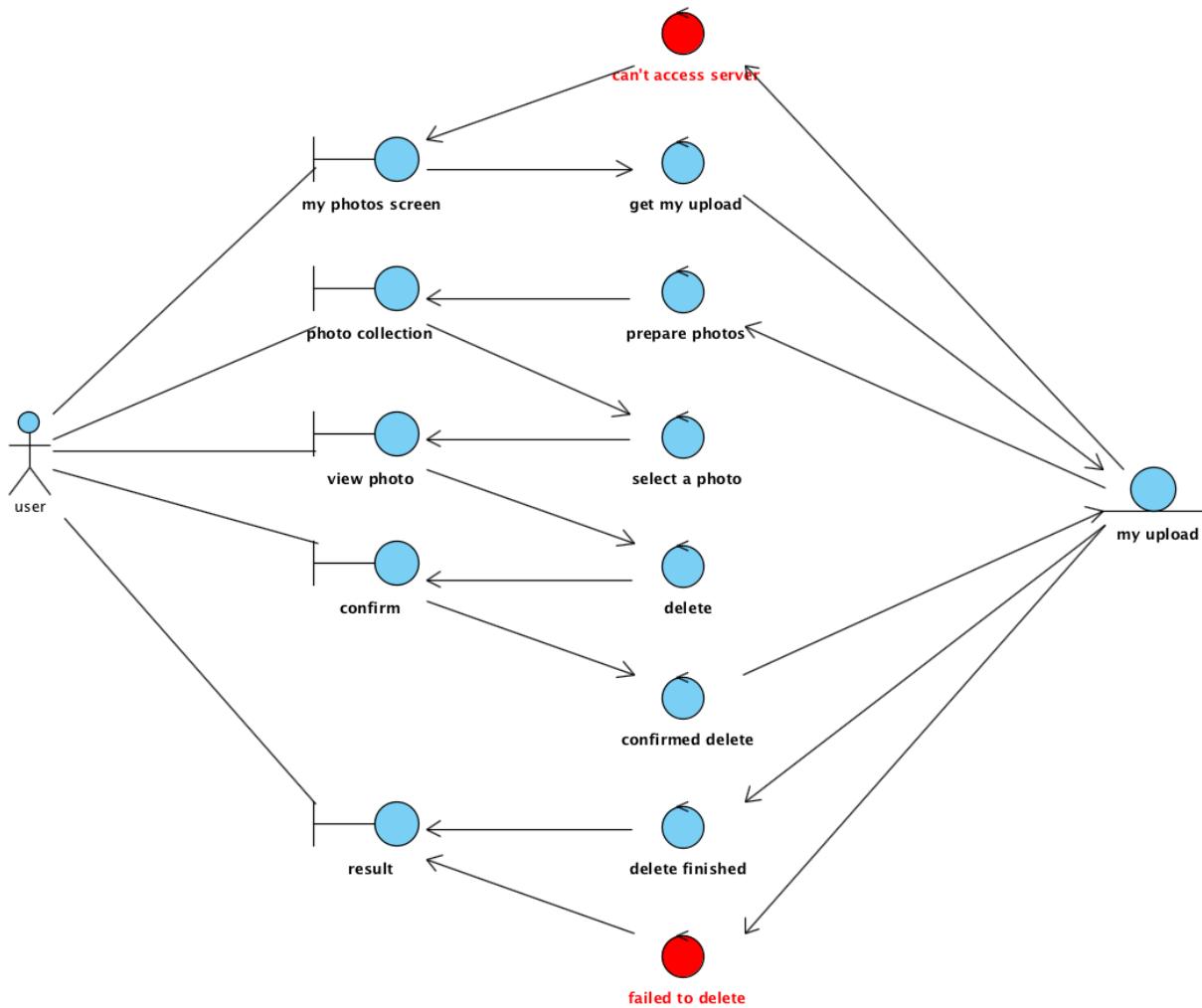


Use Case: Search event and upload photo



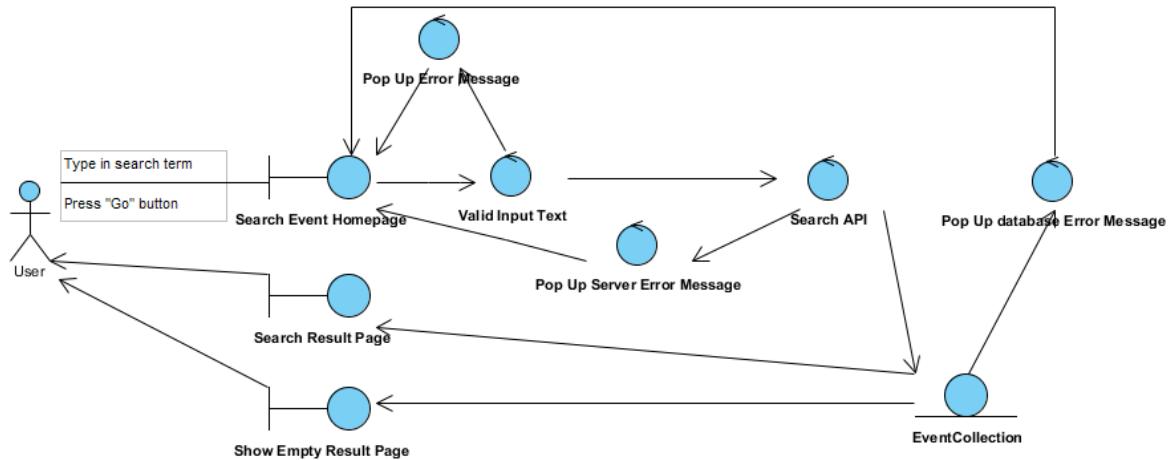
Use Case: Upload photo to location

Use Case: Delete uploaded photos

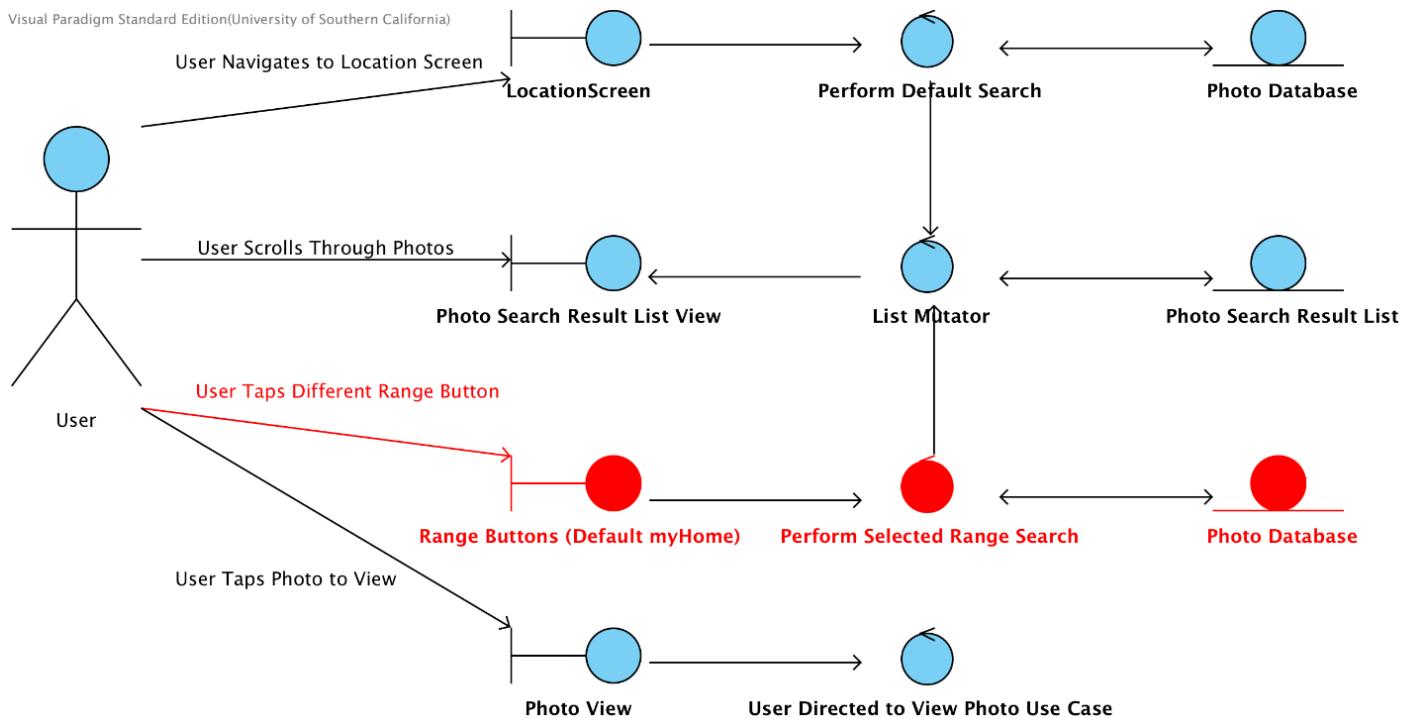


2.4 Search Robustness Diagram

Use Case: Search for event:

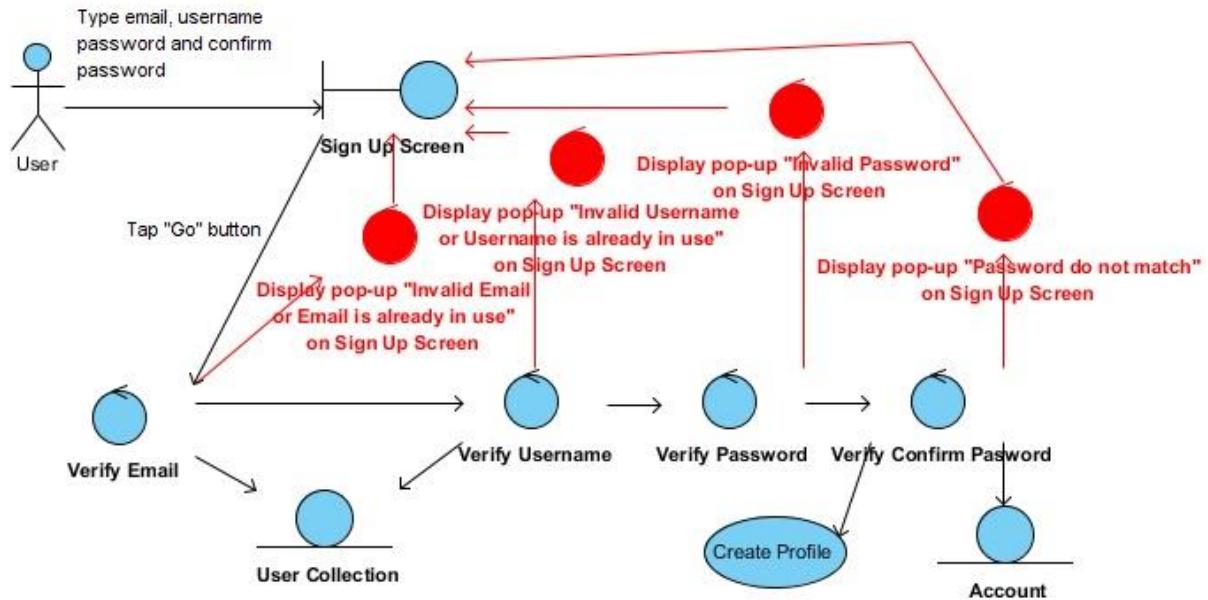


Use Case: View photos of Location:

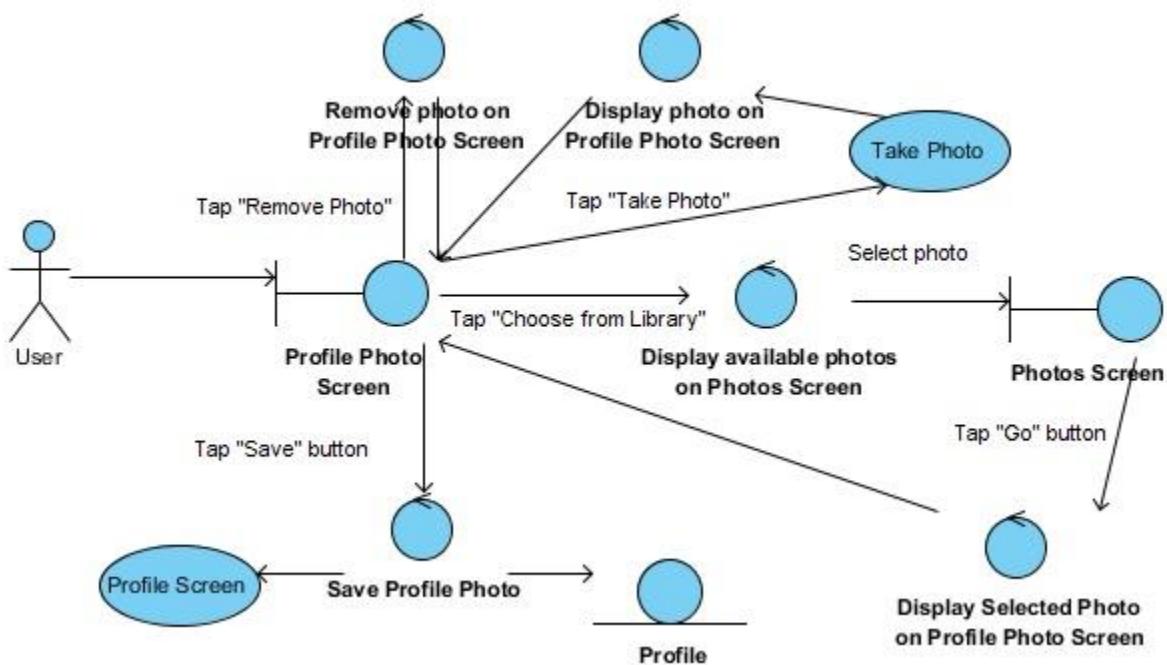


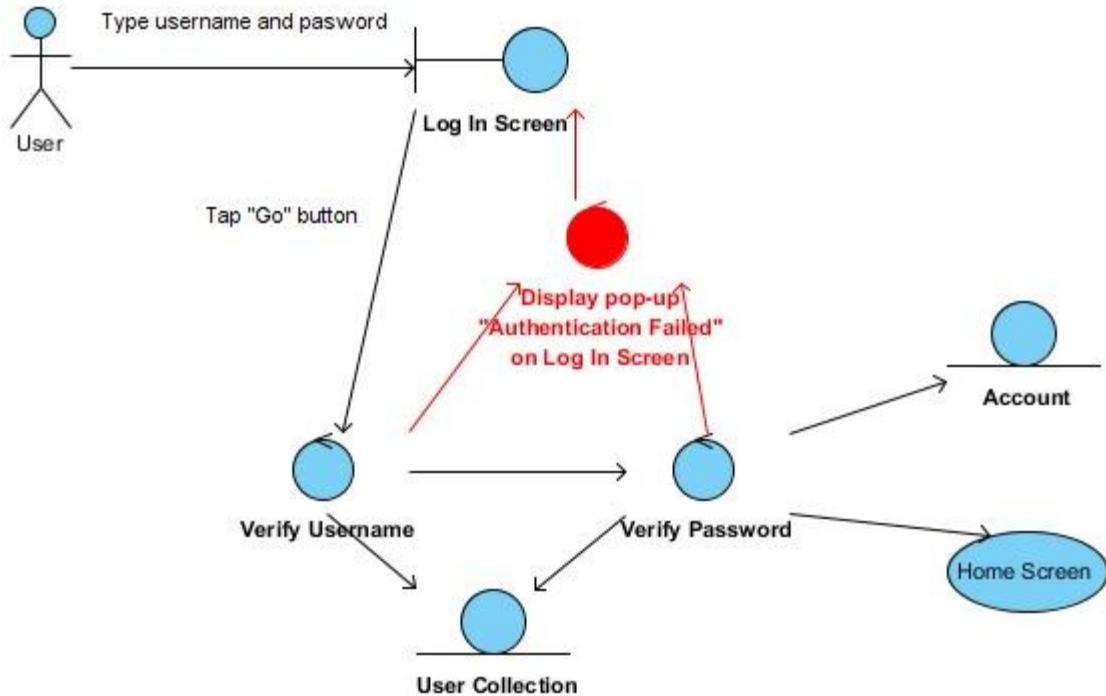
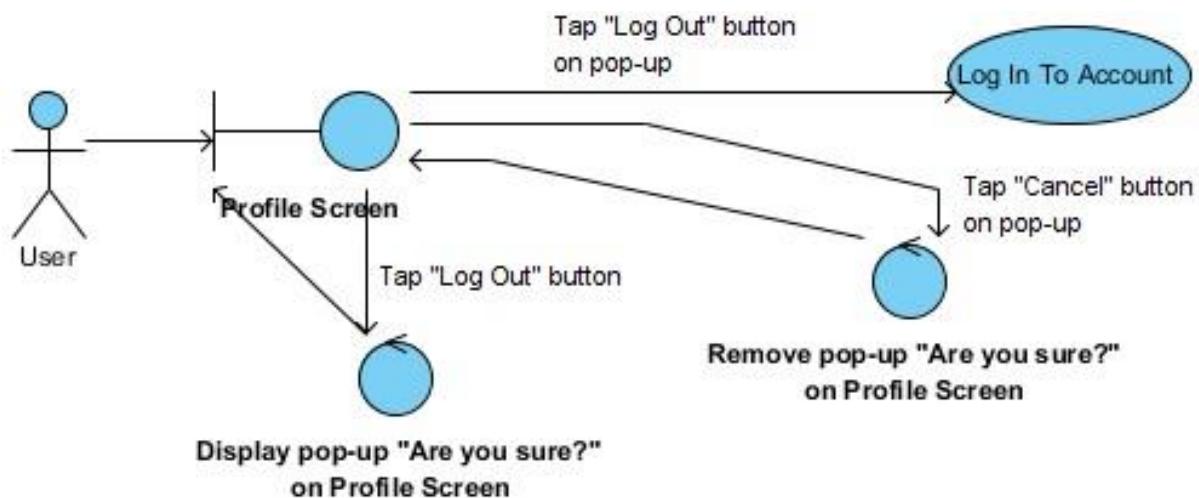
2.5 Profile Robustness Diagram

Use Case: Create account



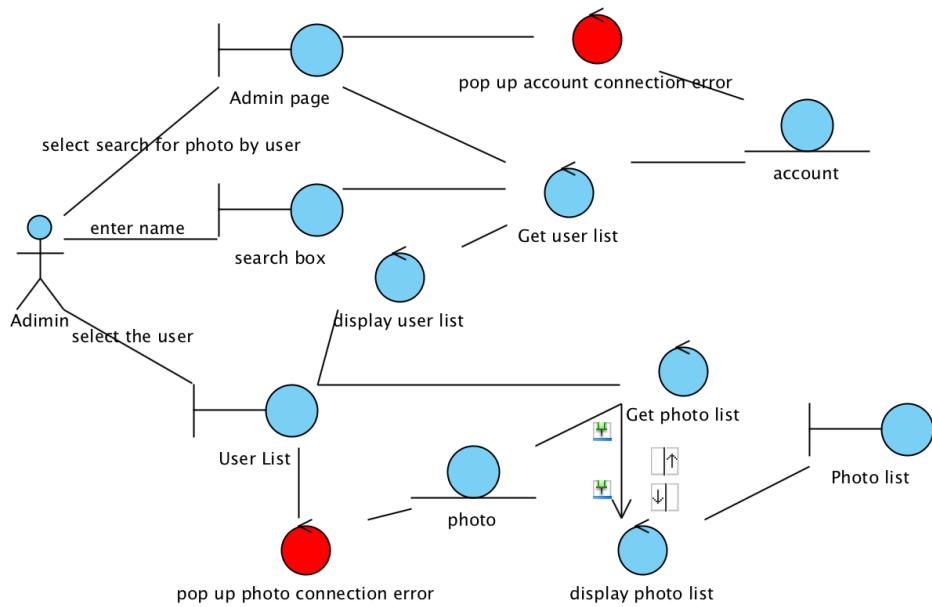
Use Case: Create profile



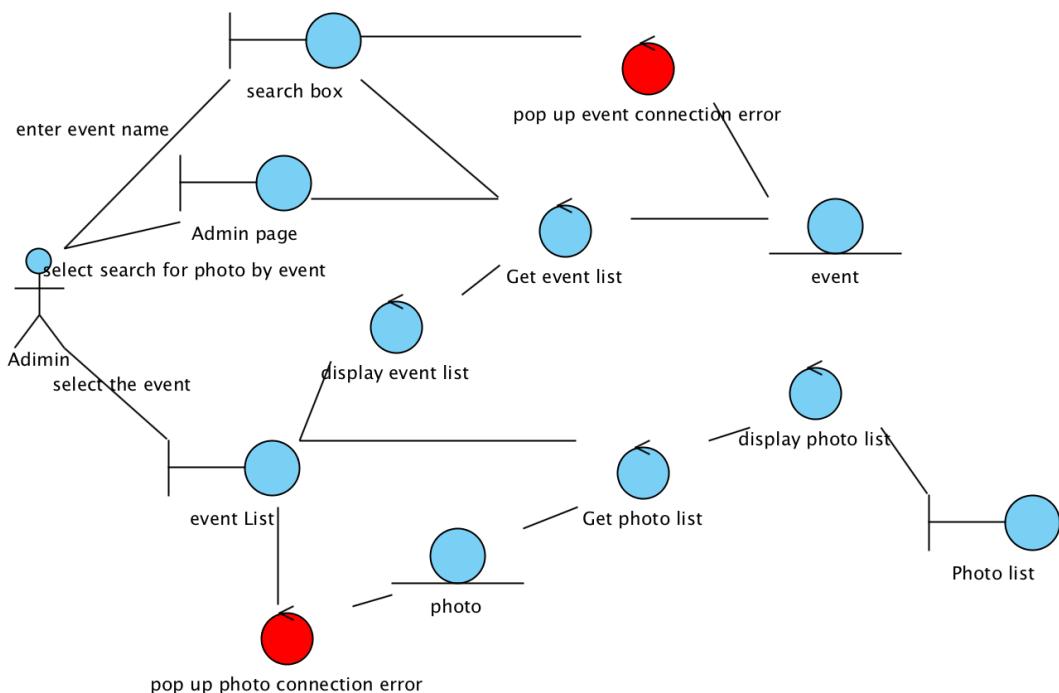
Use Case: Login to account**Use Case: Logout of account**

2.6 System & Administrator Robustness Diagram

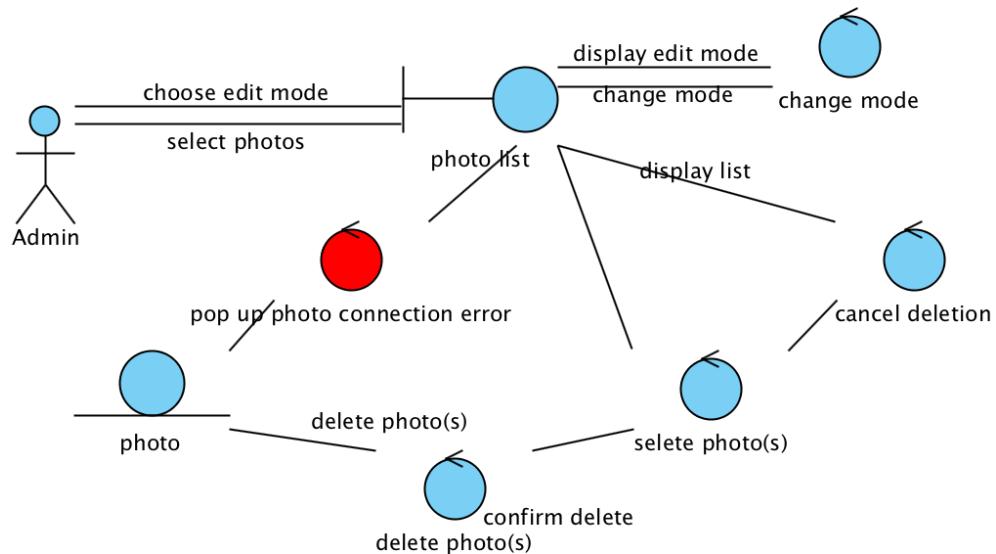
Use Case: Admin search for photo by user



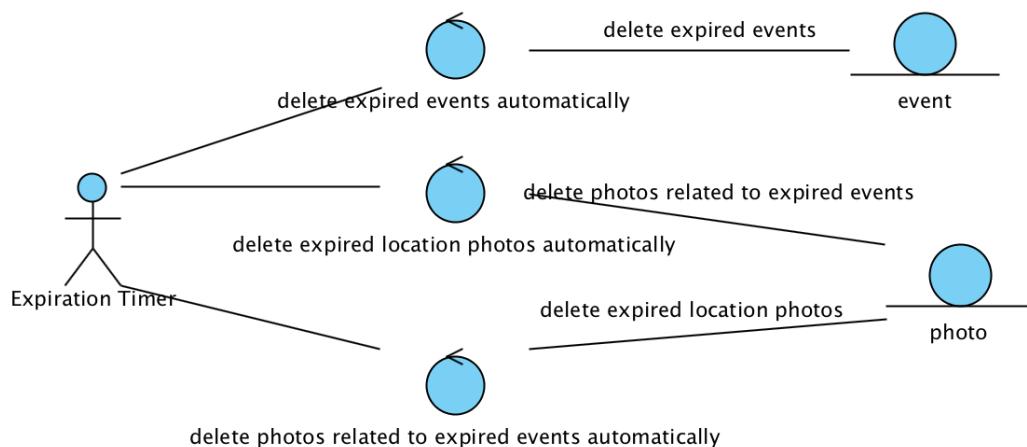
Use Case: Admin search for photo by event



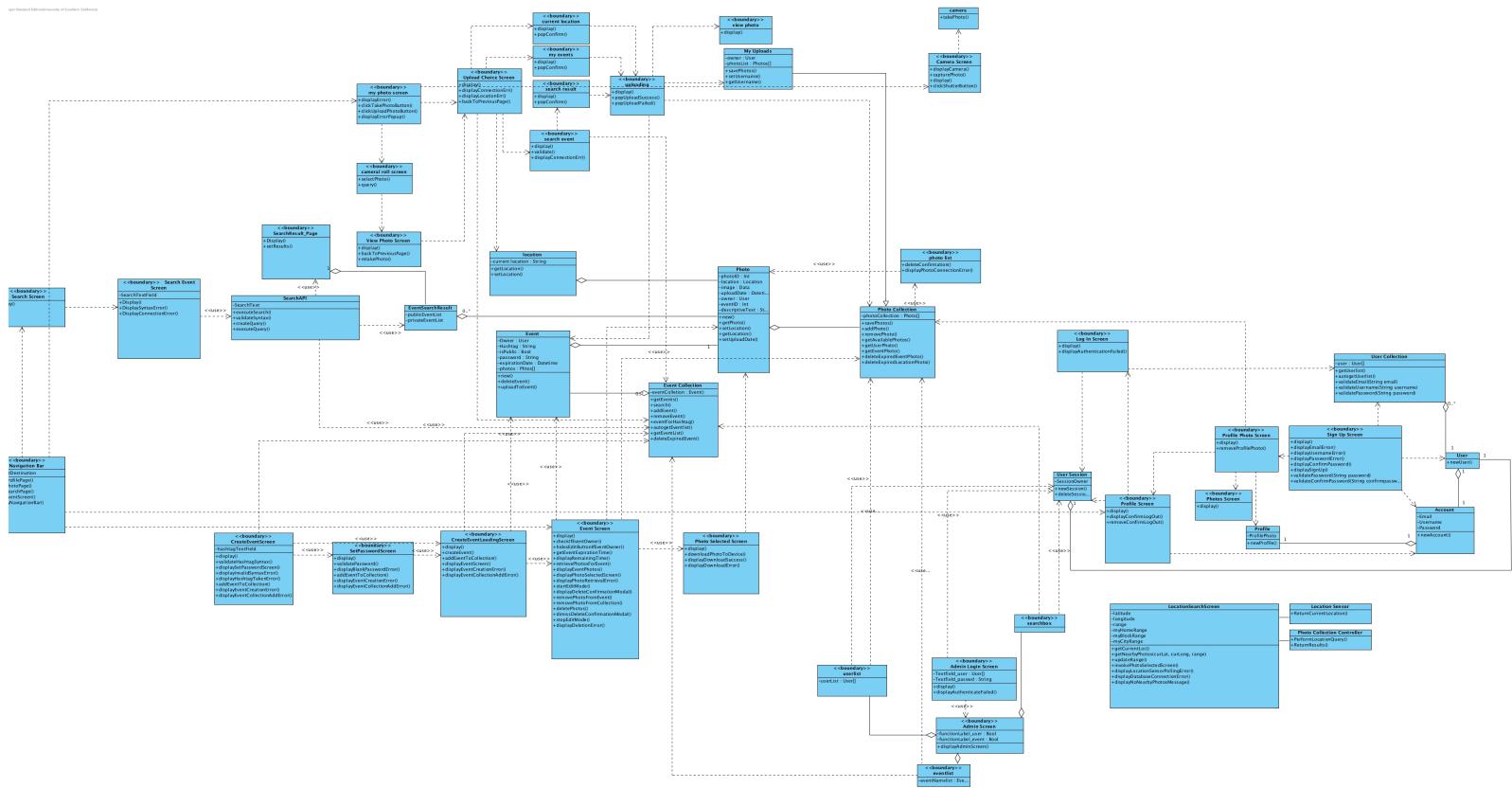
Use Case: Admin delete photo



Use Case: Automatic deletion

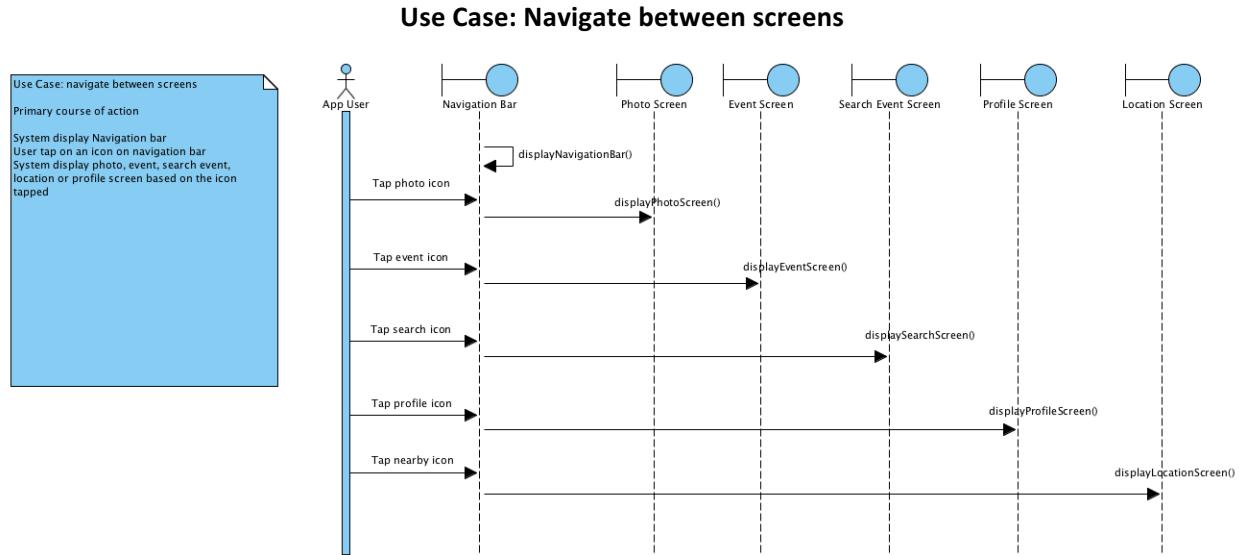


3. Class diagram

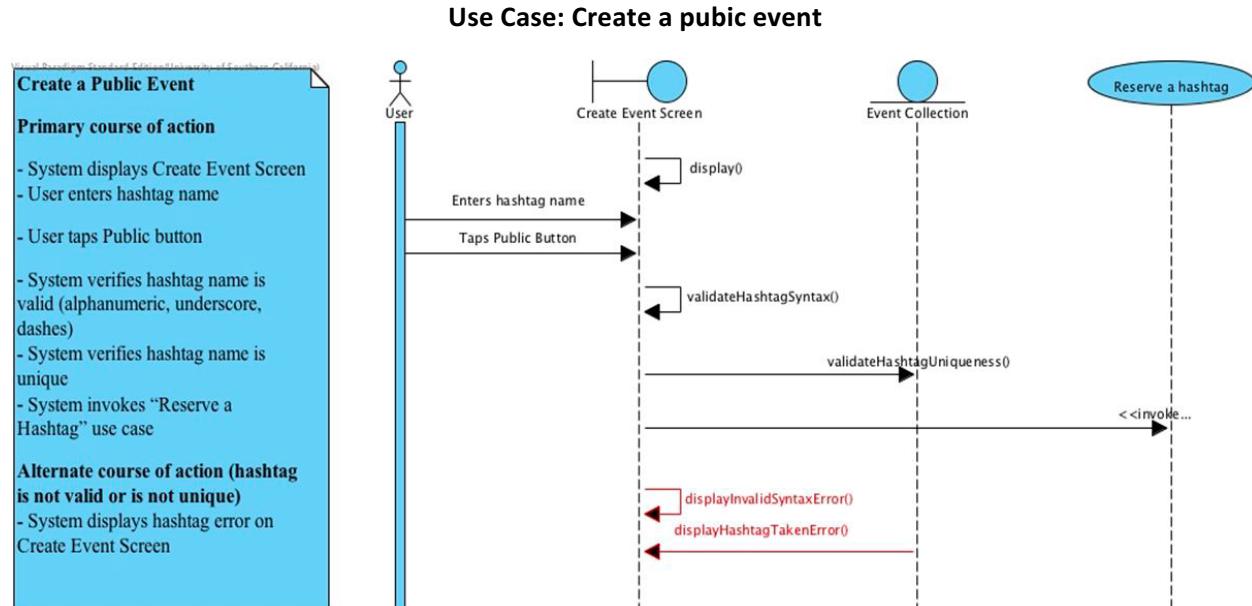


4. Sequence Diagrams

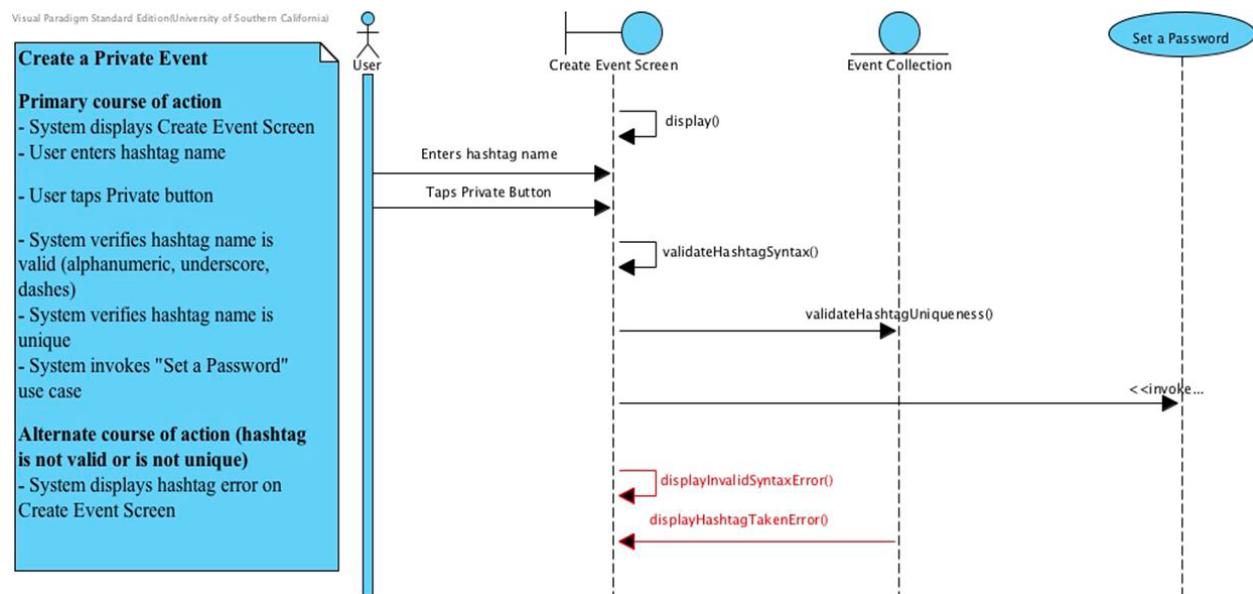
4.1 Navigation Sequence Diagram



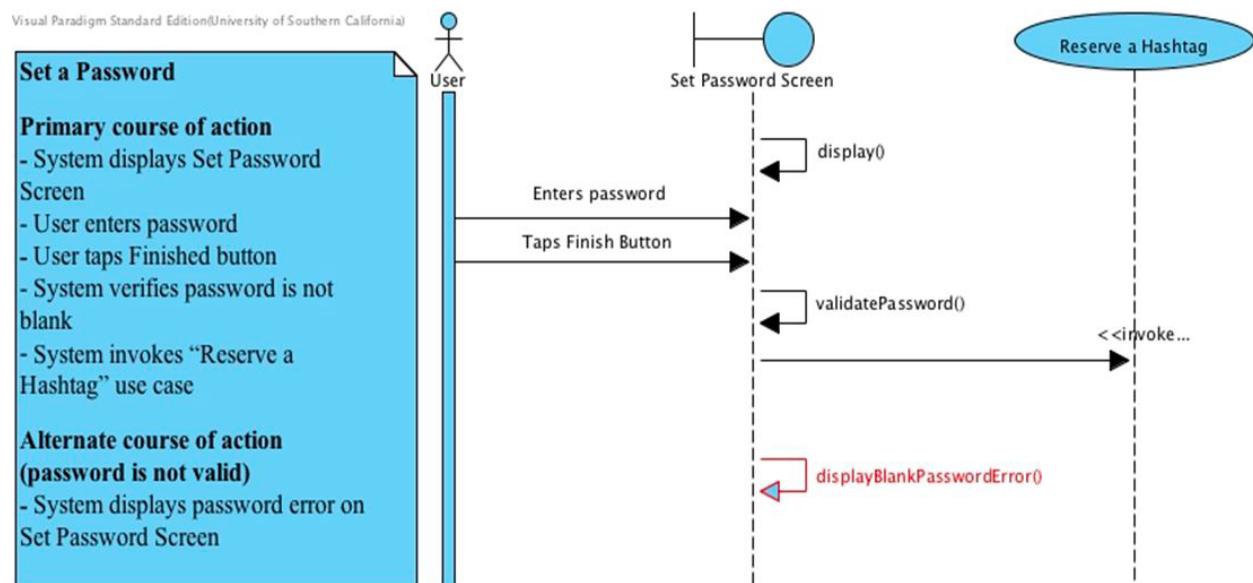
4.2 Event Sequence Diagram



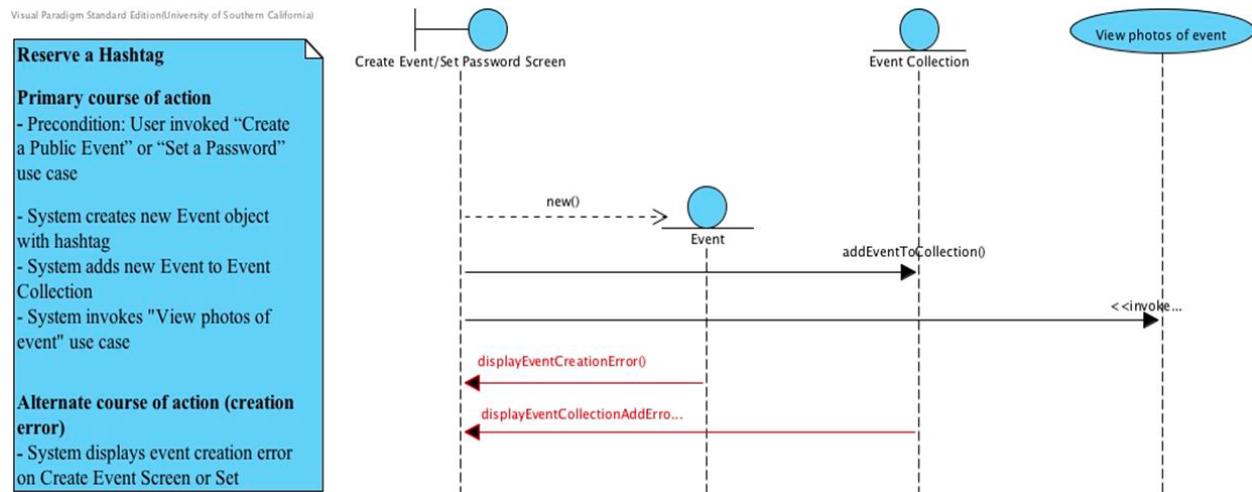
Use Case: Create a private event



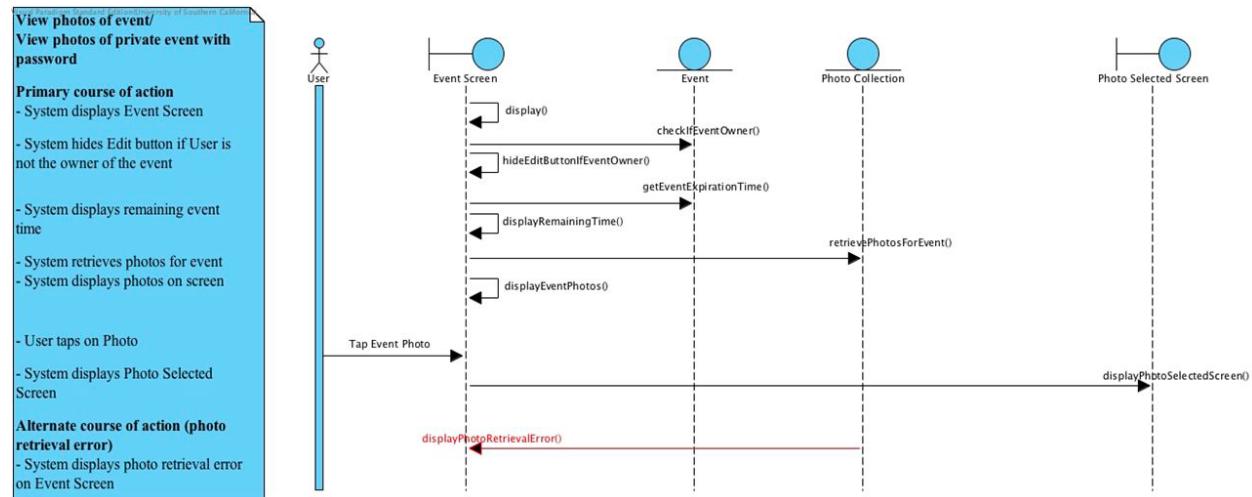
Use Case: Set a password



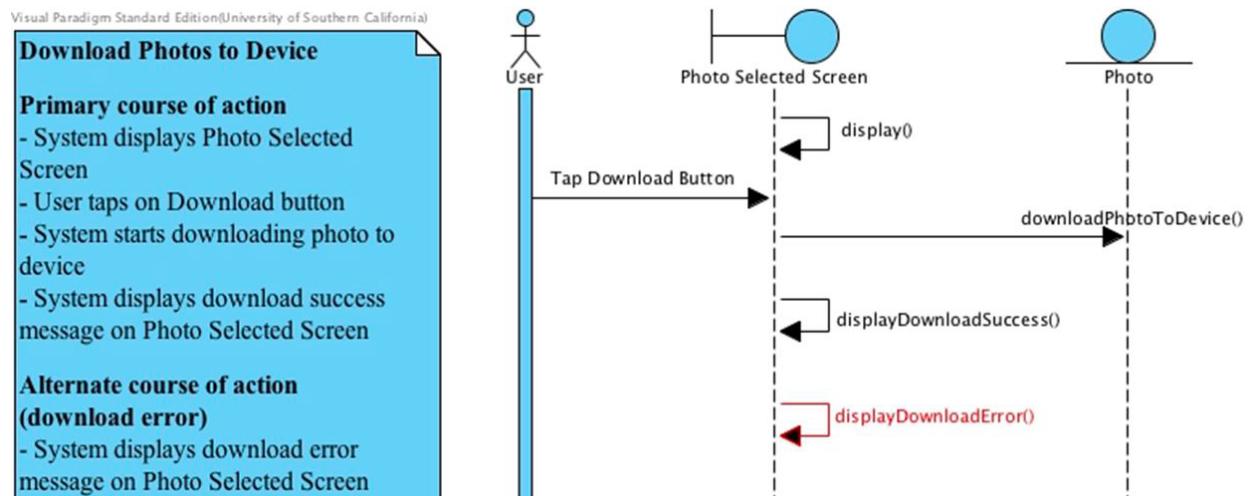
Use Case: Reserve a hashtag



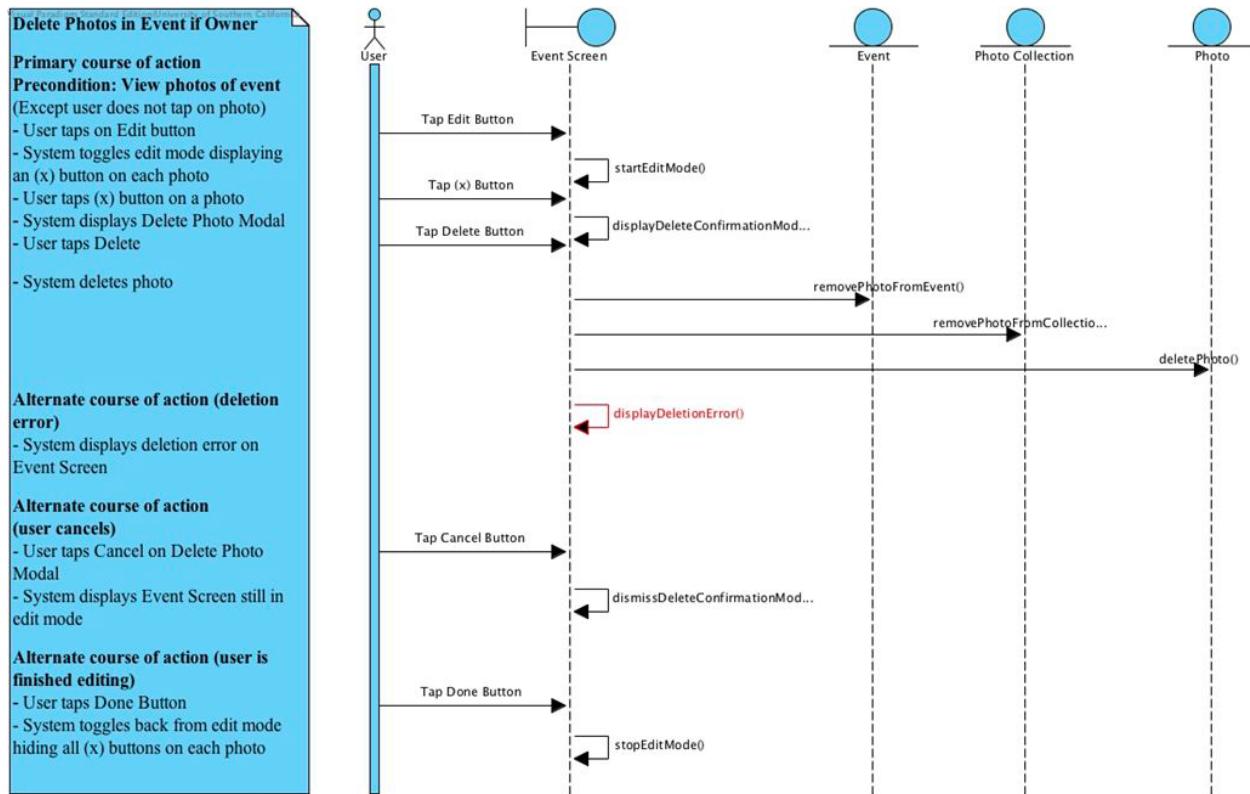
Use Case: View photos of event/View photos of private event with password



Use Case: Download photos to device



Use Case: Delete photos in event if owner



Use Case: Join event

Join Event

Primary Course of Action:

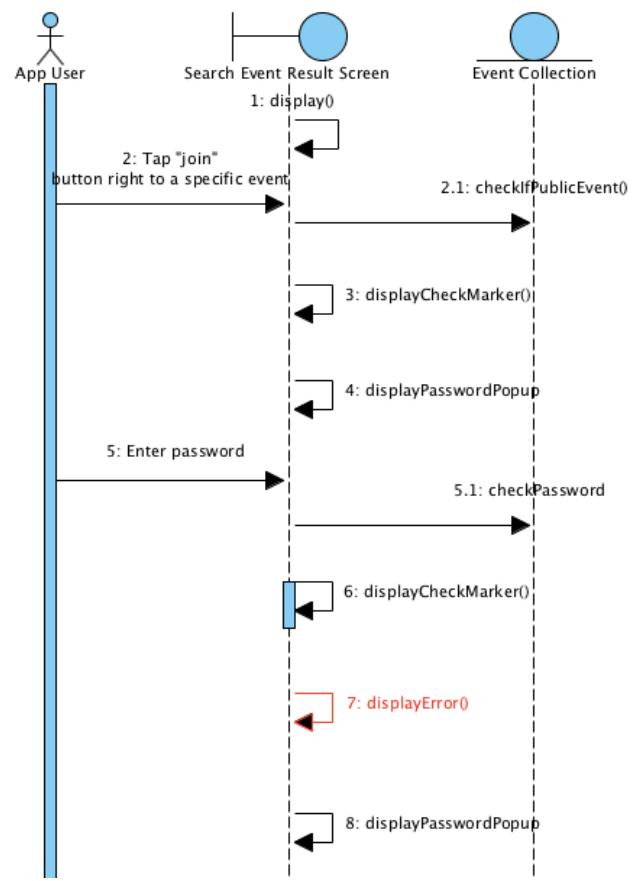
- System displays a list of event
- User taps “join” button right to a specific event
- System check if it is a public event or private even
- System displays check marker if public event

Alternate Course of Action:

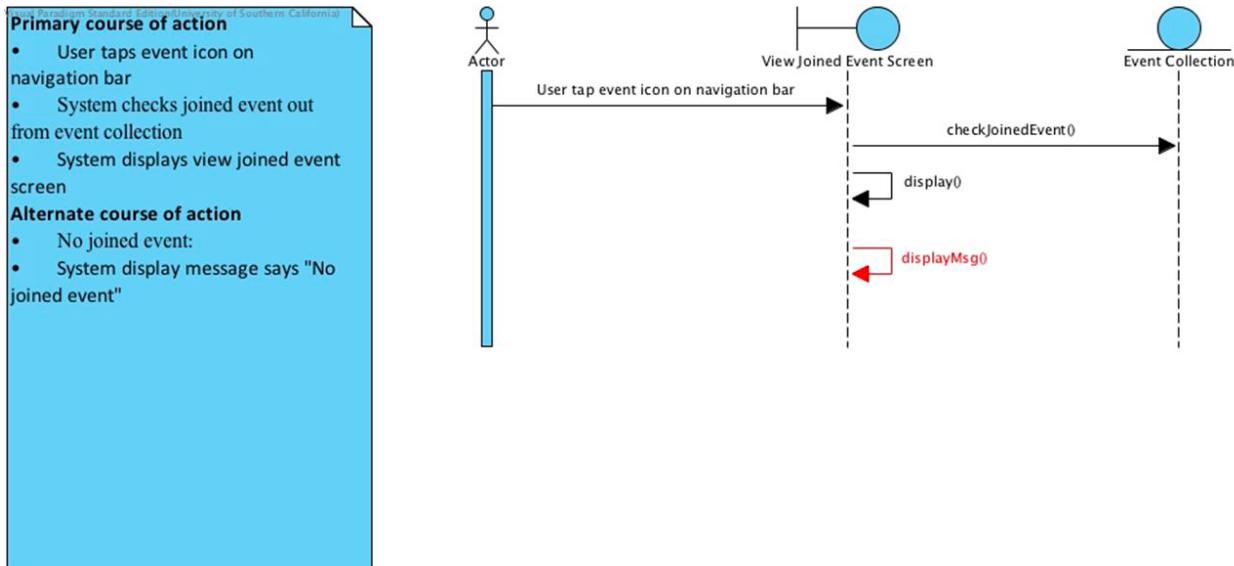
- System display password popup if private event
- User enter password
- System check if password correct
- System display check marker if password correct

Alternate Course of Action:

- System display error message if password is not correct
- System displays password popup

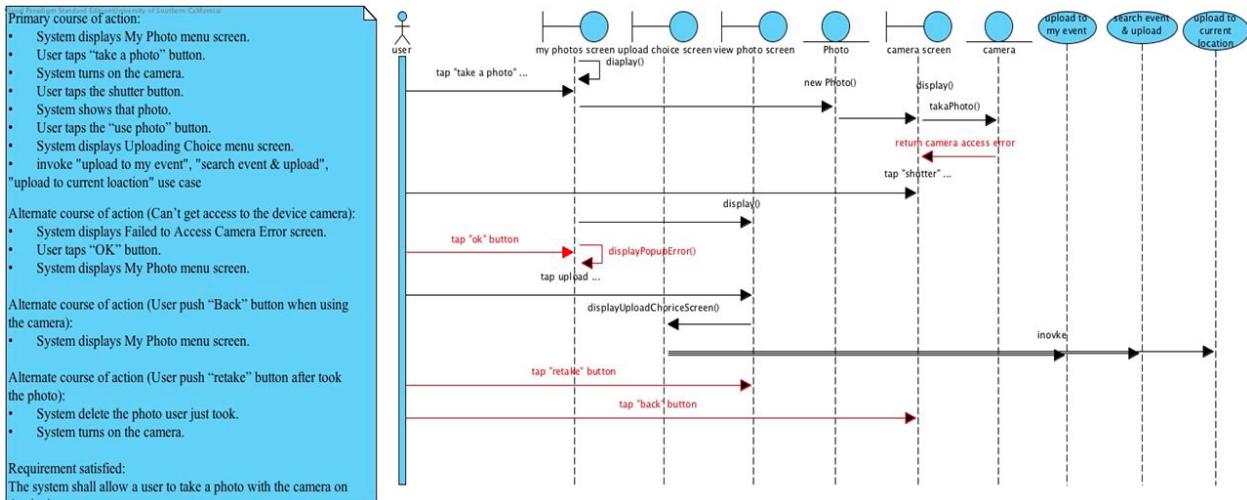


Use Case: View joined events

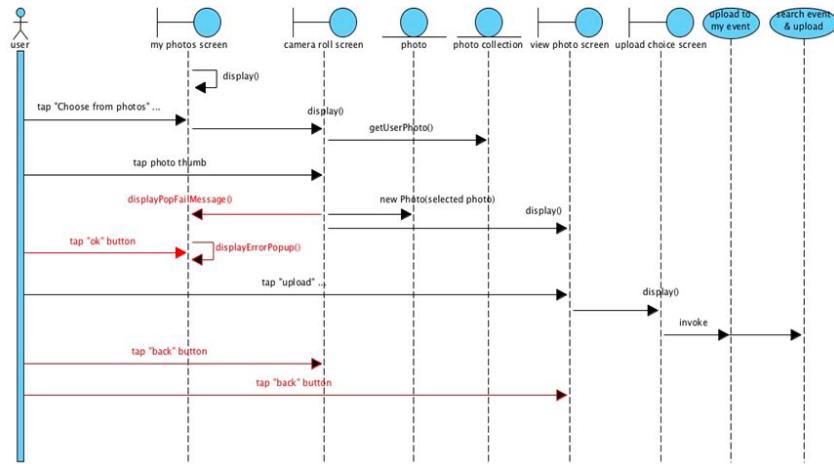
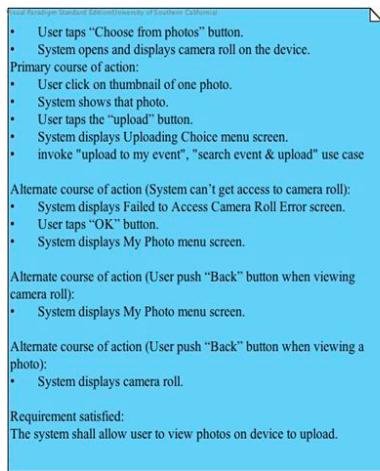


4.3 Photo Sequence Diagram

Use Case: Take a photo



Use Case: View photos on devices



Use Case: Upload photo to event

Version Standard Edition University of Southern California

Open my event for upload

Primary course of action:

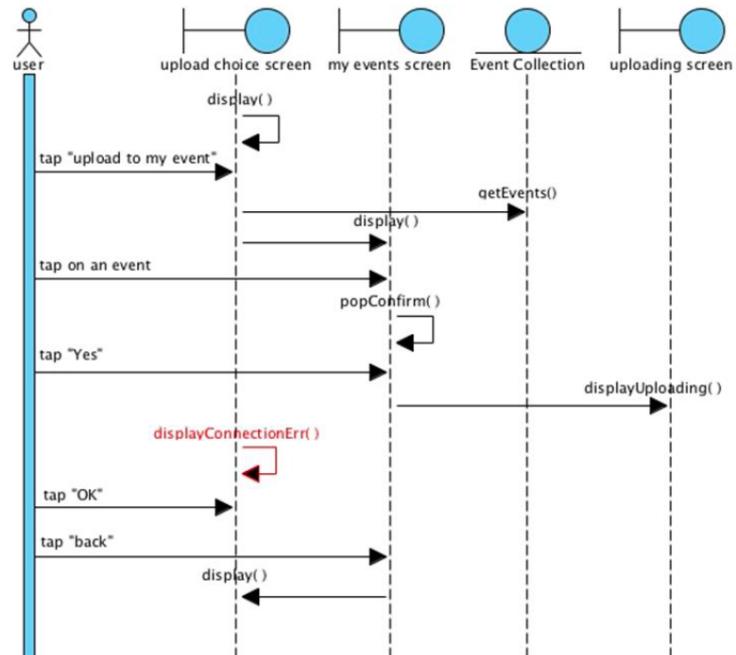
- System displays Uploading Choice menu screen.
- User taps “Upload to My Event” button.
- System request and display my event list from server.
- User click on an event.
- System pop up an alert and ask user to confirm.
- User taps “Yes” button.
- System display uploading screen.

Alternate course of action (System can't get access to server):

- System displays cannot get access to server error message.
- User taps “OK” button.
- System displays Uploading Choice menu screen.

Alternate course of action (User taps “back” button at any screen):

- System displays the last screen before the current one.



Use Case: Search for event

Version Standard Edition University of Southern California

Search event for upload

Primary course of action:

- System displays Uploading Choice menu screen.
- User taps “Search Event” button.
- System display the search screen.
- User enter the search item and taps “search” button.
- System validate the search term.
- System send the the search item to server and get the event list.
- User click on an event.
- System pop up the alert and ask user to confirm.
- User taps “Yes” button.
- System display uploading screen.

Alternate course of action (System can't get access to server):

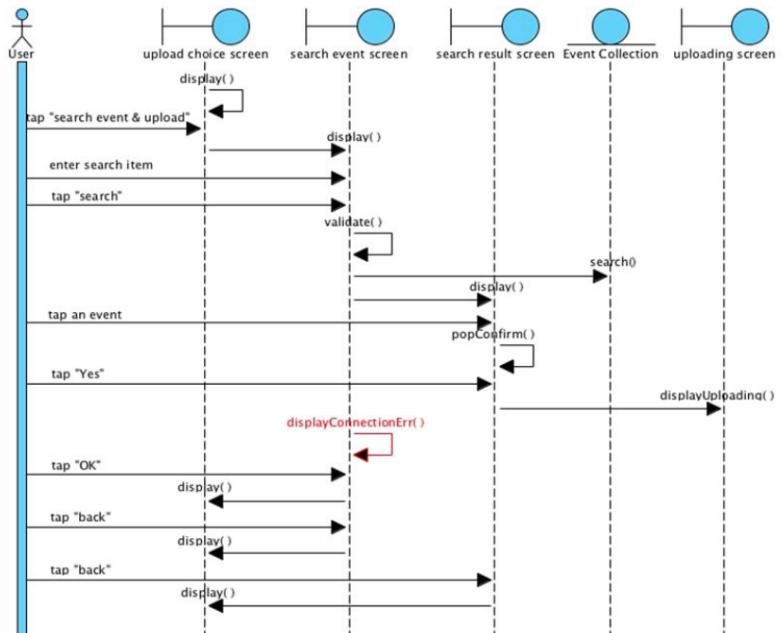
- System displays cannot get access to server error message.
- User taps “OK” button.
- System displays Uploading Choice menu screen.

Alternate course of action (User taps “back” button at any screen):

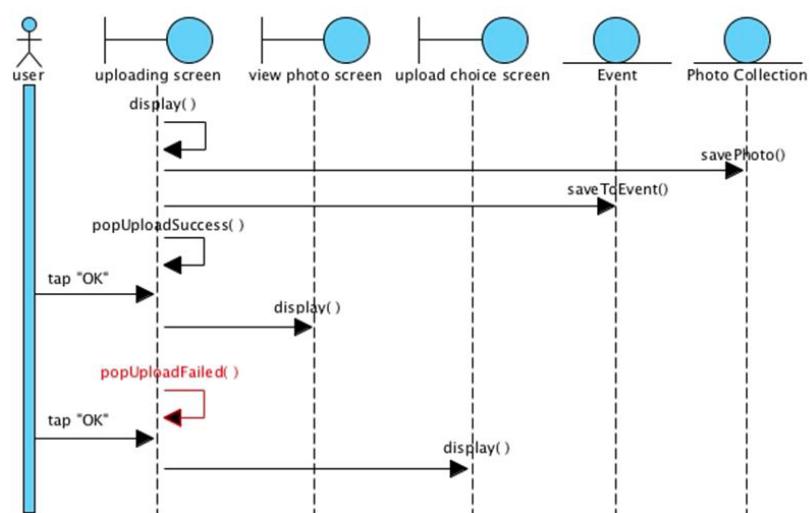
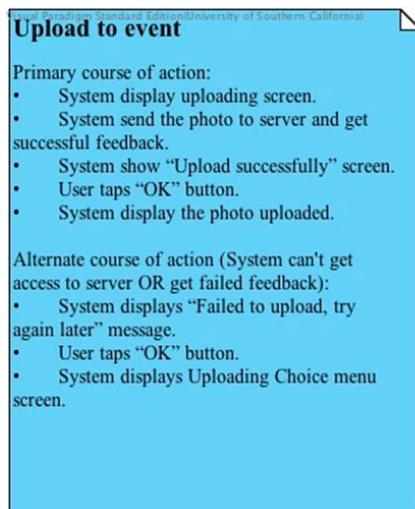
- System displays the last screen before the current one.

Alternate course of action (User didn't enter anything before taps on search button):

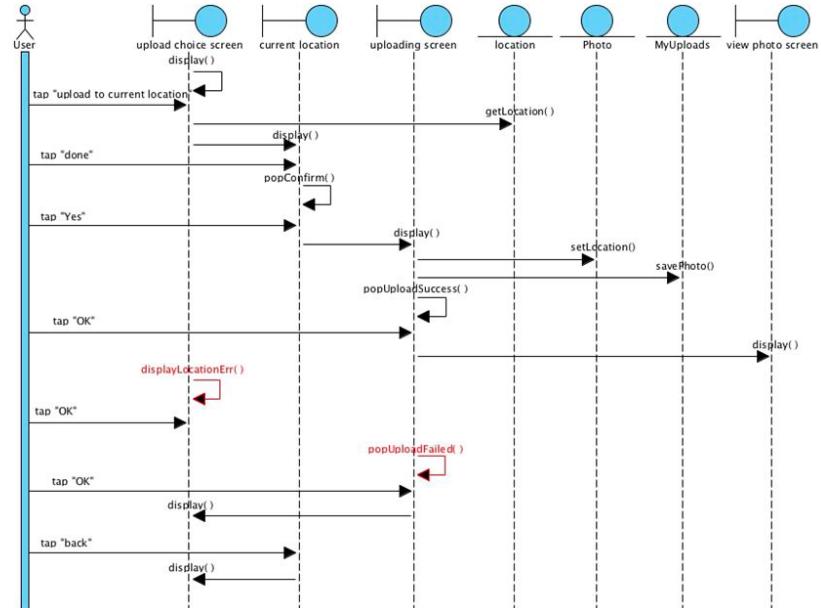
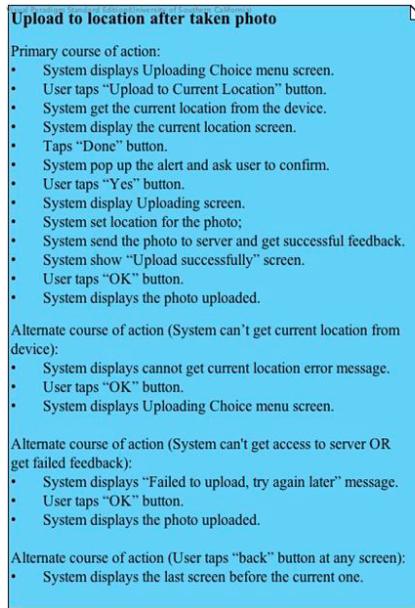
- Stay on that screen and do nothing.



Use Case: Upload to event



Use Case: Upload photo to location



Use Case: Delete uploaded photos

Primary course of action:

- System displays My Photo menu.
- User taps "My Upload" button.
- System gets and shows photo collection on the server upload by this user.
- User click on thumbnail of one photo.
- System shows that photo.
- User pushes the "delete" button.
- System displays the alert and ask user to confirm the delete.
- User pushes "Yes" button.
- System send request to server ask for delete that photo.
- System got successful feedback.
- System display "Delete Successfully Screen".
- User pushes "OK" button.
- System display the collection of the rest photos the user uploaded.

Alternate course of action (System can't get access to server):

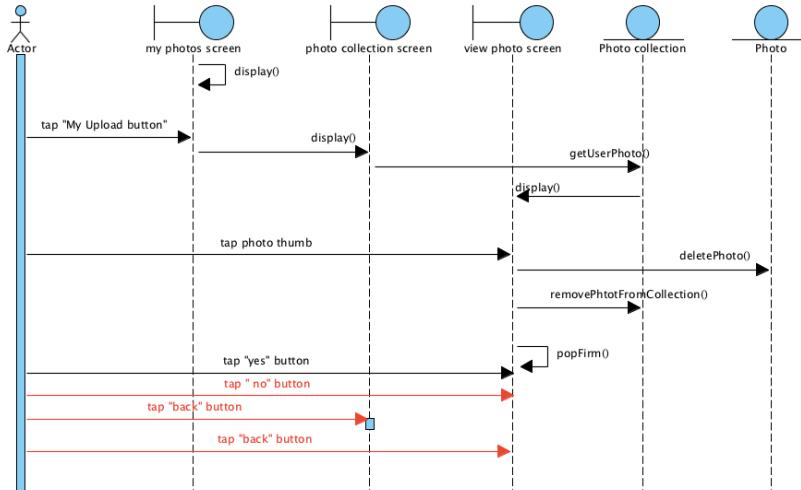
- System displays failed to connect to server error message.
- User pushes "OK" button.
- System displays My Photo menu.

Alternate course of action (User pushes "back" button on photos collection screen):

- System displays My Photo menu.

Alternate course of action (User pushes "back" button on photo view screen):

- System displays photos collection screen.



4.4 Search Sequence Diagram

Use Case: Search for event

SEARCH EVENT:

Primary course of action:

- User types in an event name.
- The user presses the "GO" button.
- System validates the typed event name.
- System fetches a query result from database.
- System displays search results on a new page.
- User taps "Join" button to join a public event.
- User taps "Join" button to join a private event.
- System pops up a password input window.
- User types in the password to complete the verification of a private event.
- System displays syntax error on SearchEvents screen
- Alternate course of action (Typed term validation fails):

 - System displays syntax error on SearchEvents screen

- Alternate course of action (Fail to connect to database):

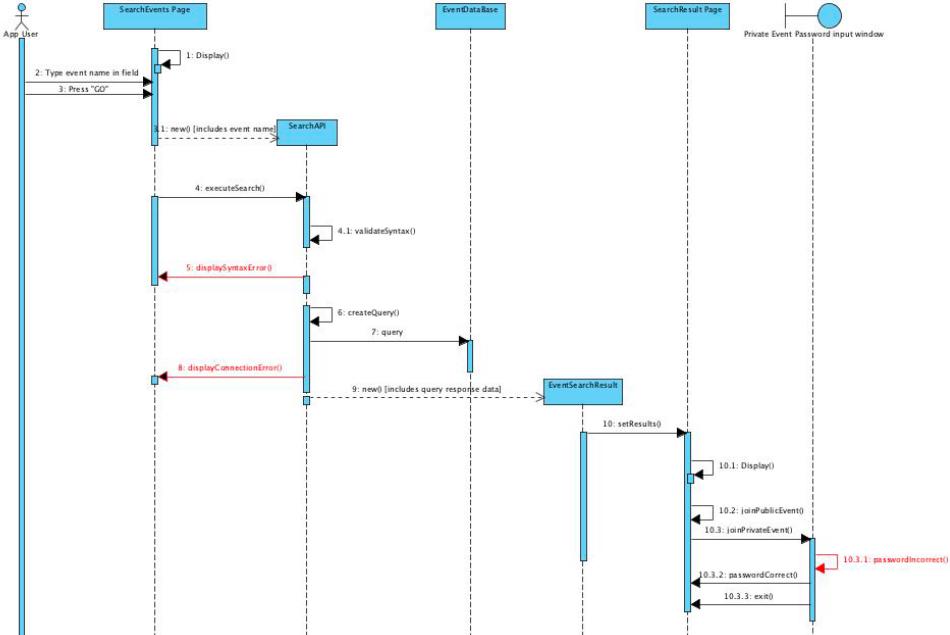
 - System displays connection error on SearchEvents screen

- Alternate course of action (empty set of search results):

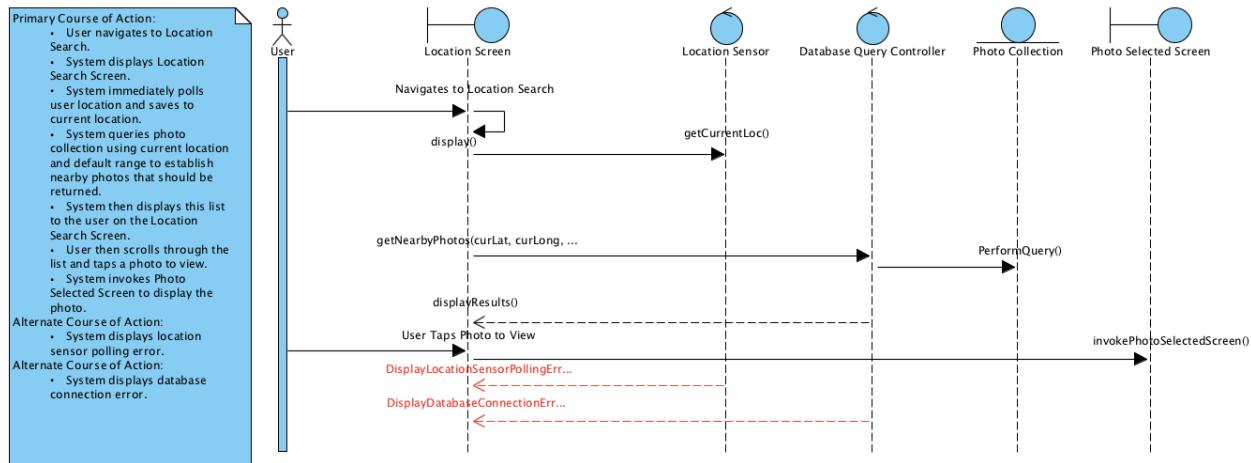
 - System displays empty results on SearchEvents screen

- Alternate course of action (User presses "Home" button):

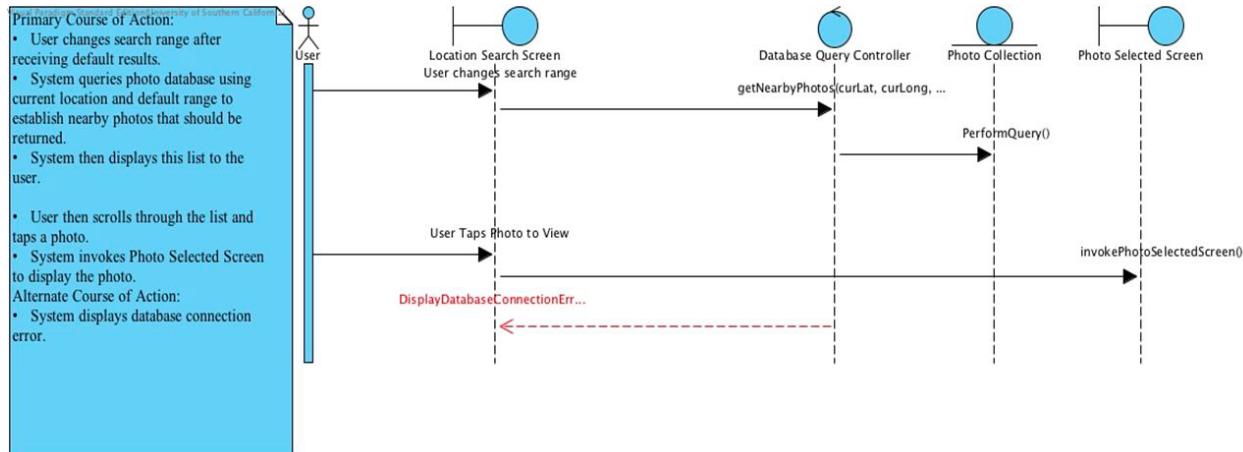
 - System invokes picture sharing home screen



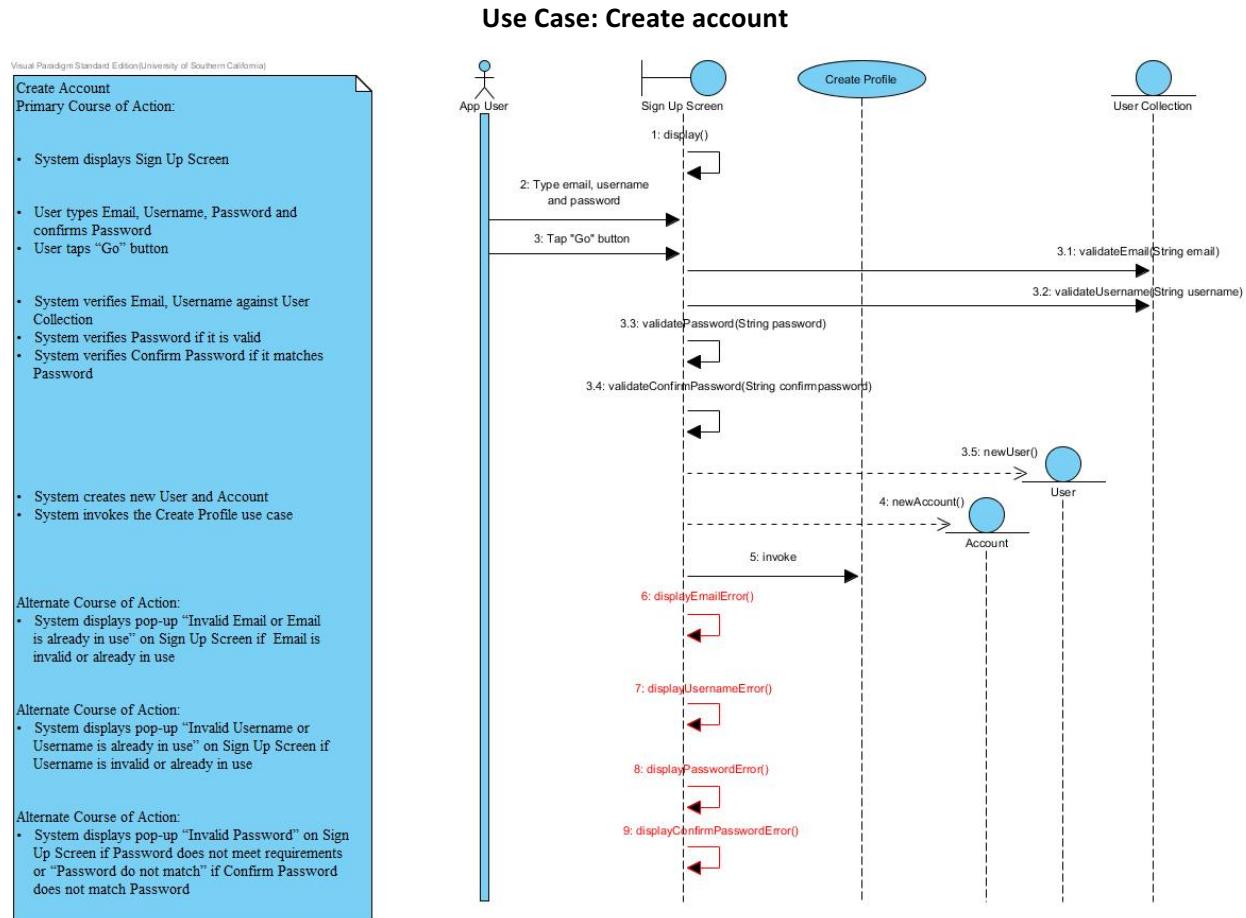
Use Case: Search photos by location - Primary course of action



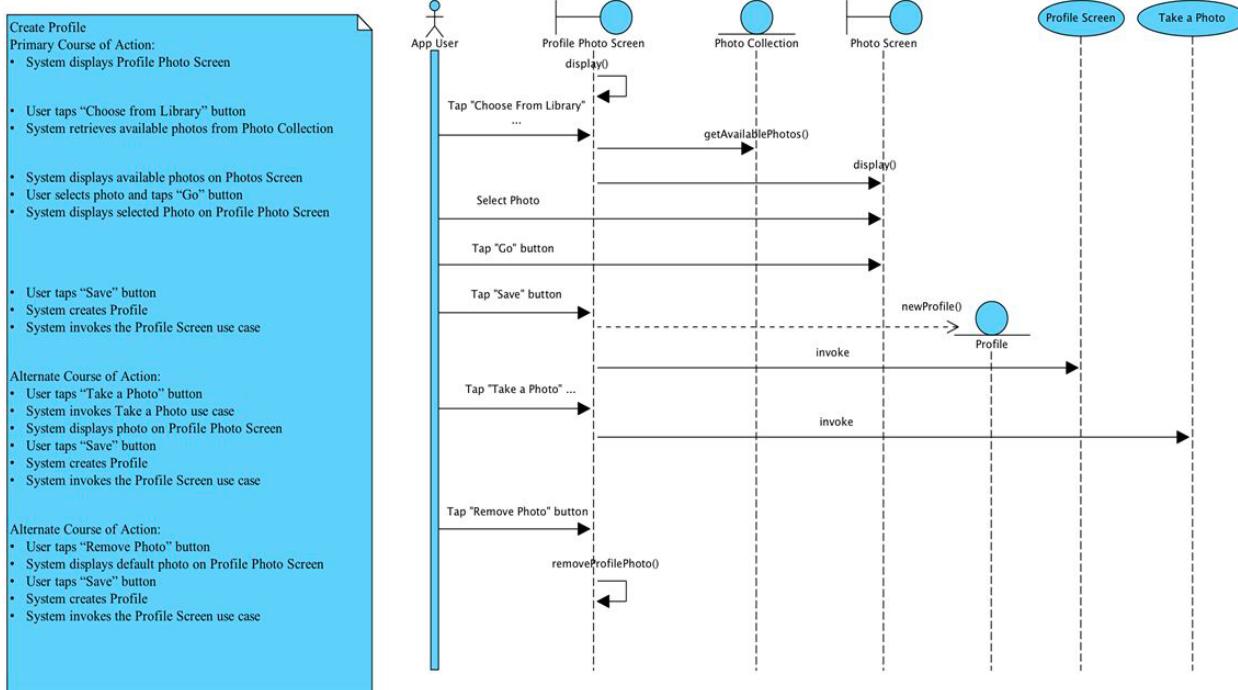
Use Case: Search photos by location - Alternate course of action



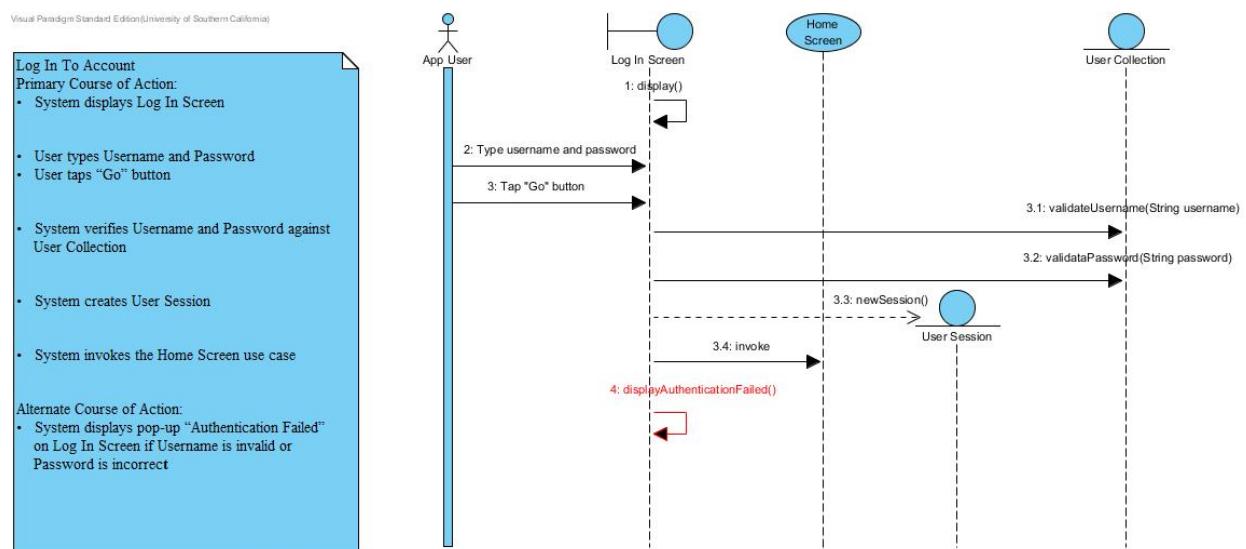
4.5 Profile Sequence Diagram



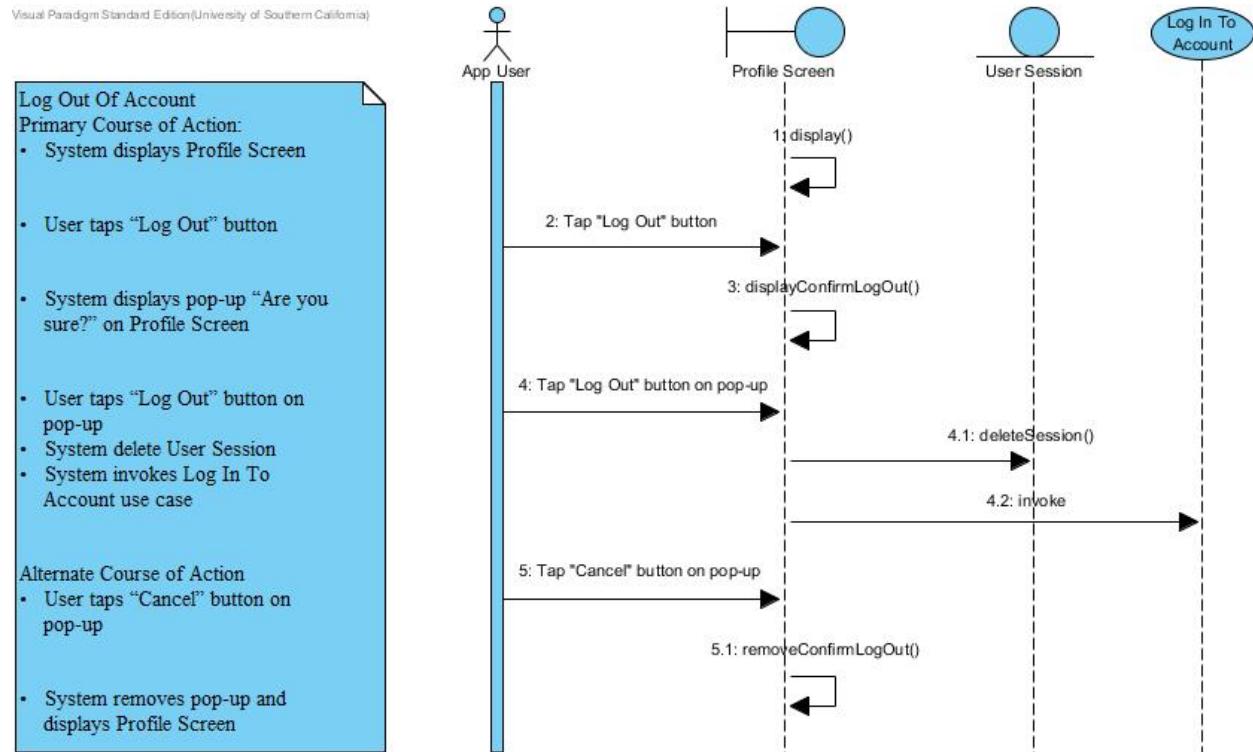
Use Case: Create profile



Use Case: Login to account

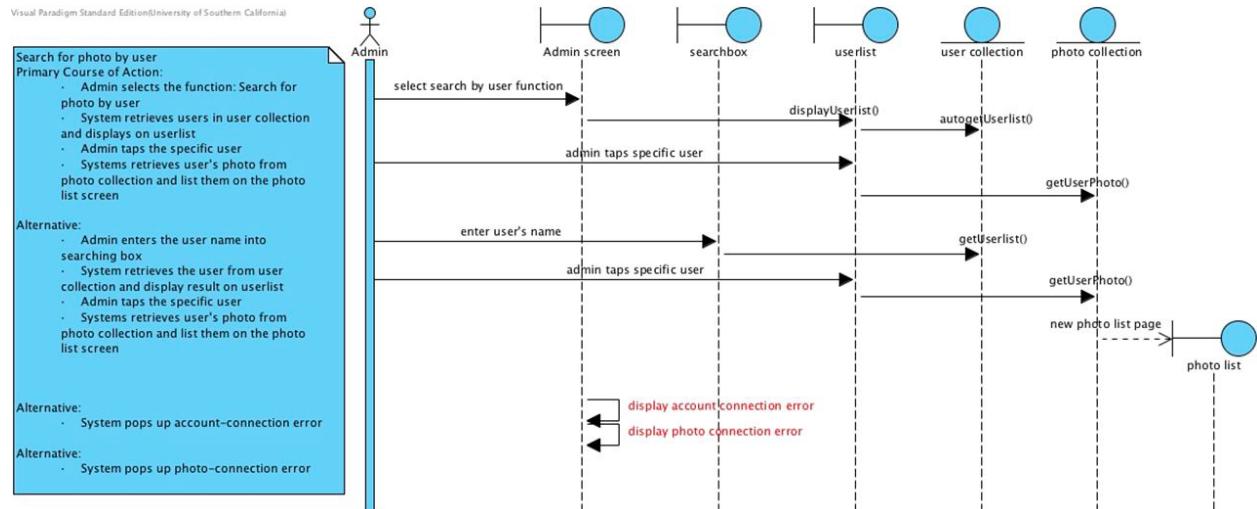


Use Case: Logout of account

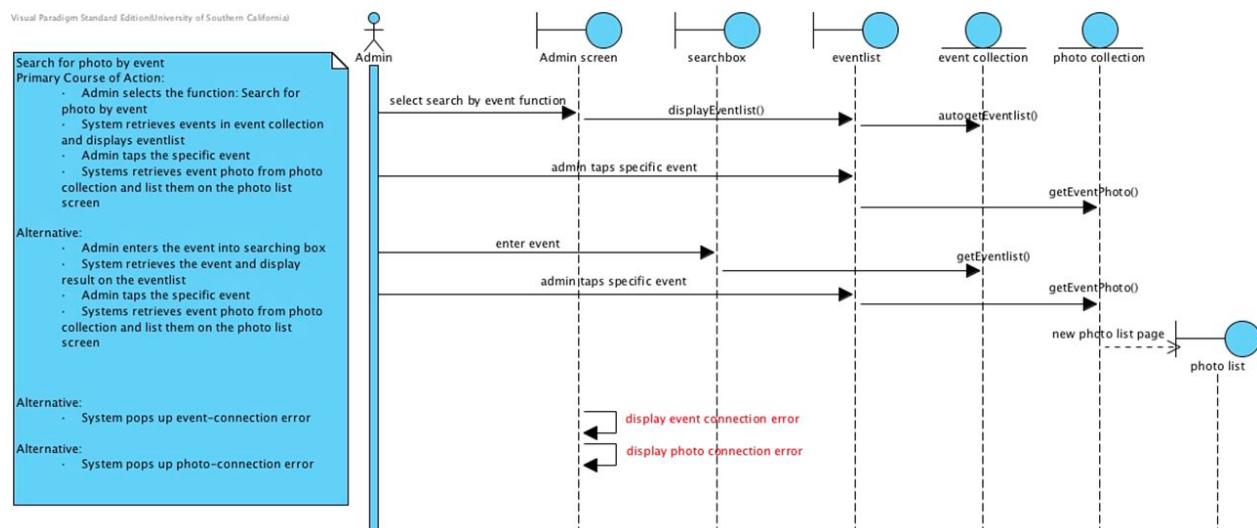


4.6 System & Administrator Sequence Diagram

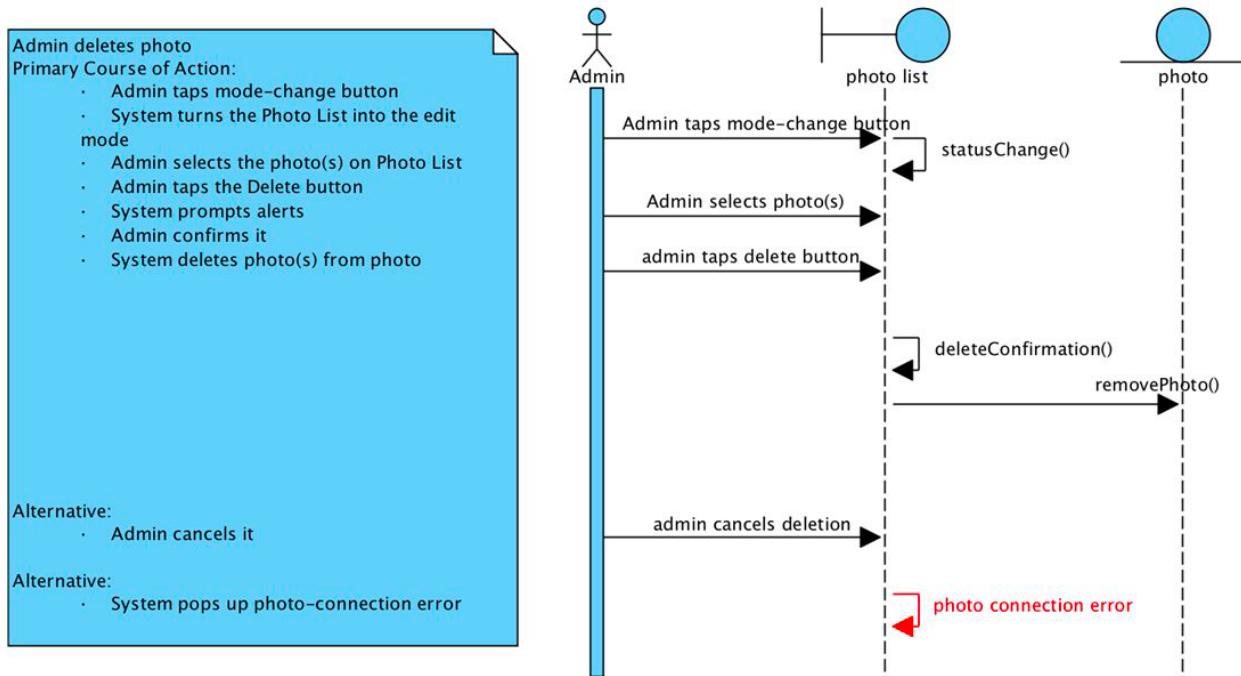
Use Case: Admin search for photo by user



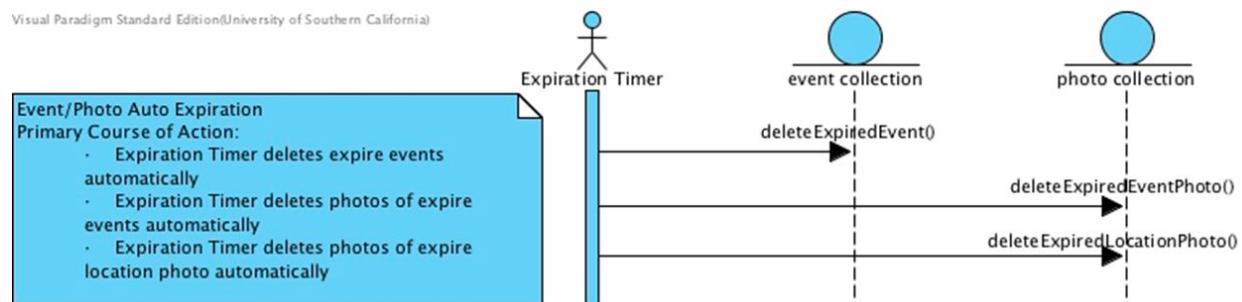
Use Case: Admin search for photo by event



Use Case: Admin delete photo



Use Case: Automatic expiration



5. Deployment diagram

