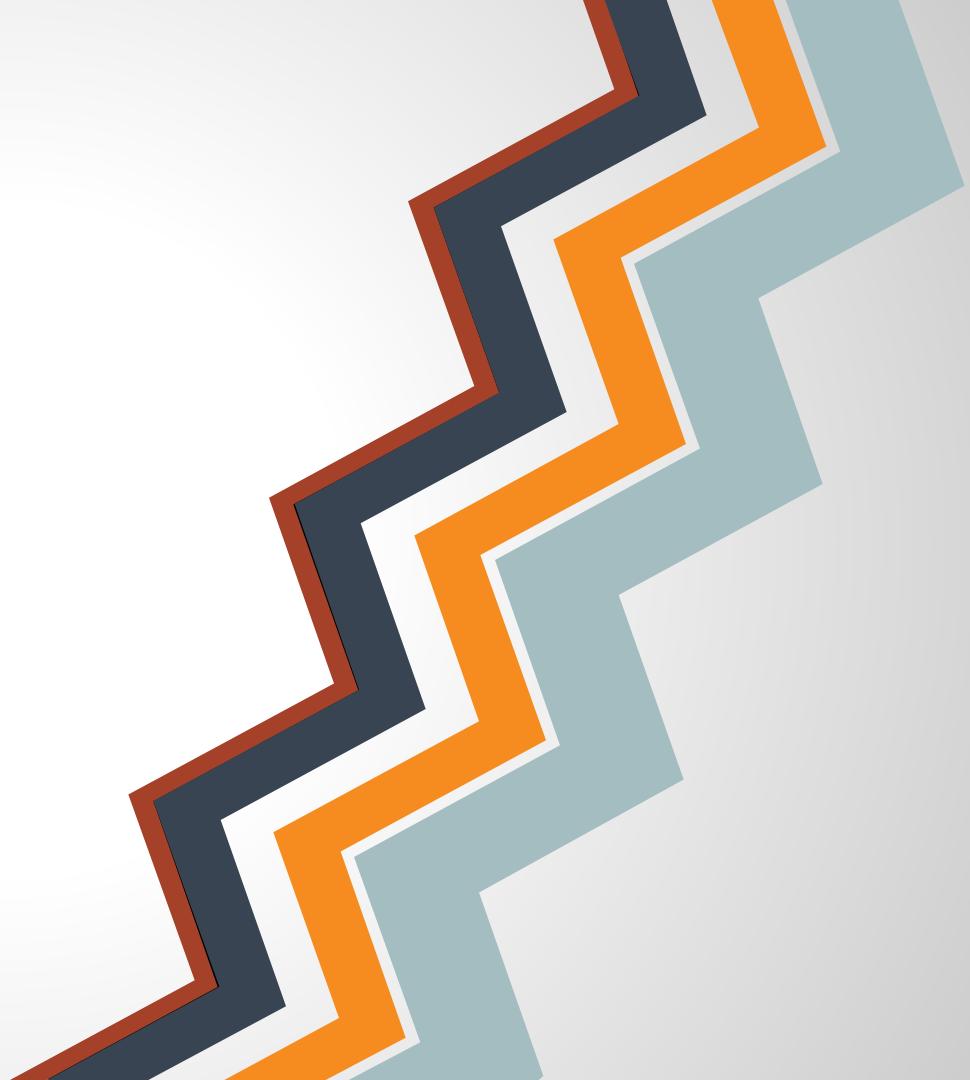


Gather

Design Presentation

Noah Williams, Ryan Hill, Calvin Keats

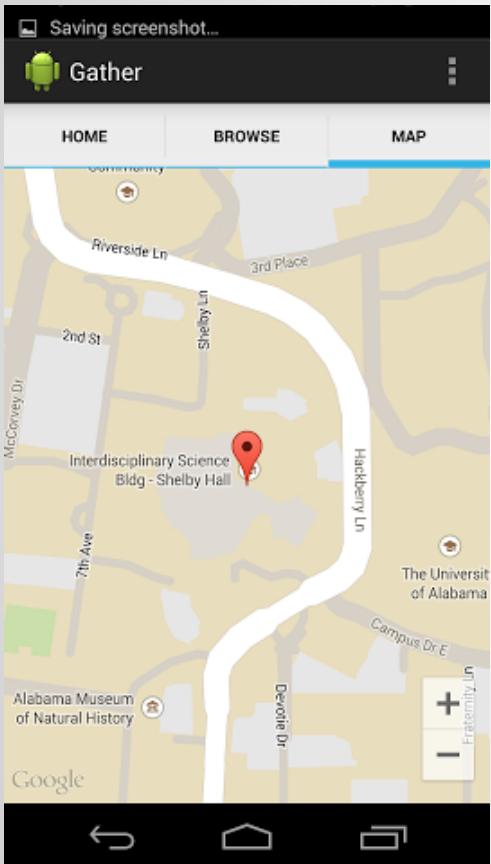


The Problem

Current social networking solutions do nothing to improve the actual social-situation of their users. They simply show the achievements of “friends” and leave users isolated and sad. Gather hopes to break that mould. In doing so we hope that, with appropriate usage, Gather will be able to help people acclimate to a new environment or even branch-out socially by providing them with a tool to find and interact with like-minded people.

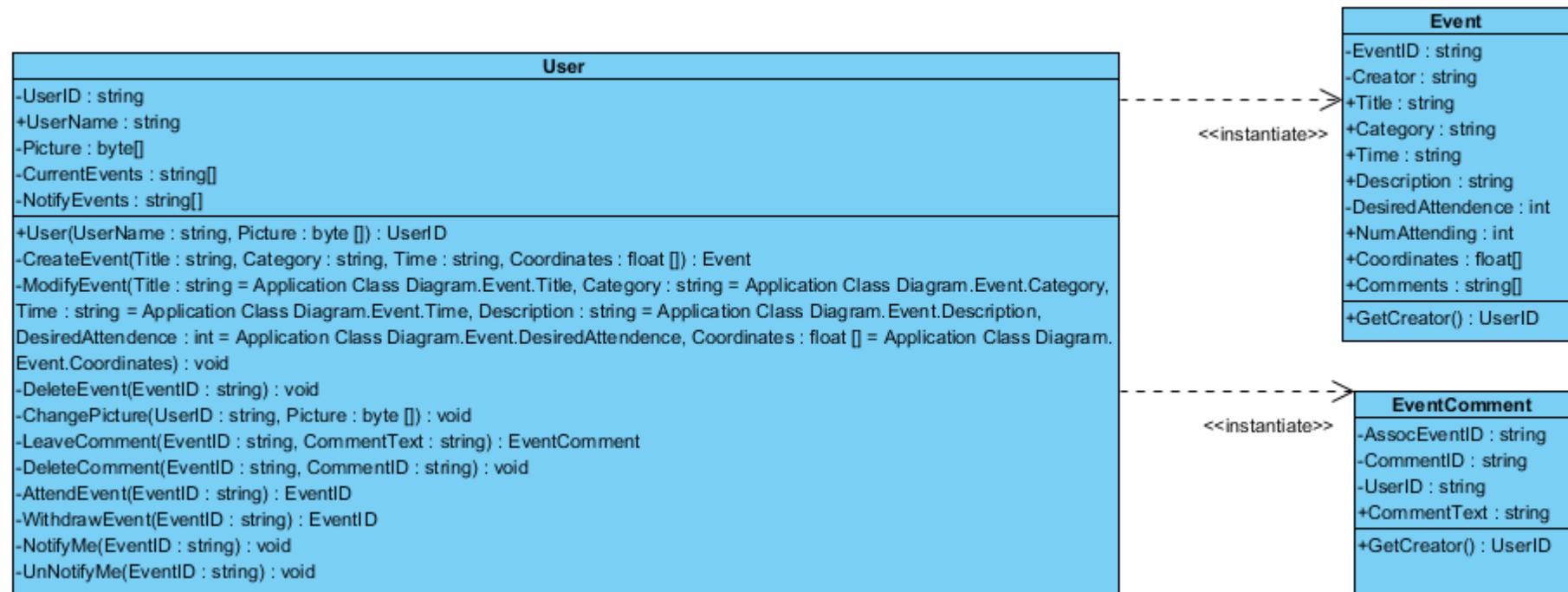


Scope of System



Gather will utilize several different features of the android system. To start, we will use the Google Maps API in order to show events based on location data. Event data, such as the description, location, time, etc. will be held in a database. Optionally, users will be able to create user profiles which will also be held on our database.

Class Diagram

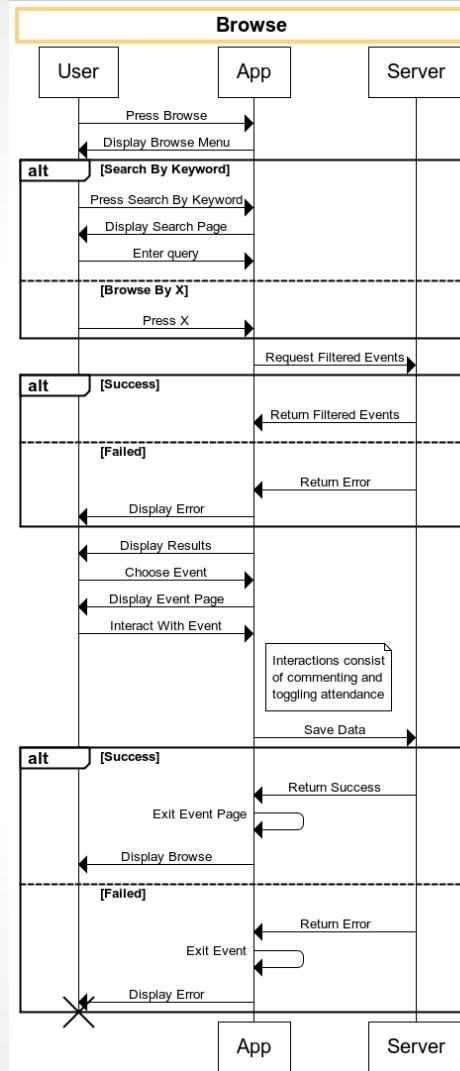


Sequence Diagrams

When browsing events, a user would press the browse button, then choose a method of browsing.

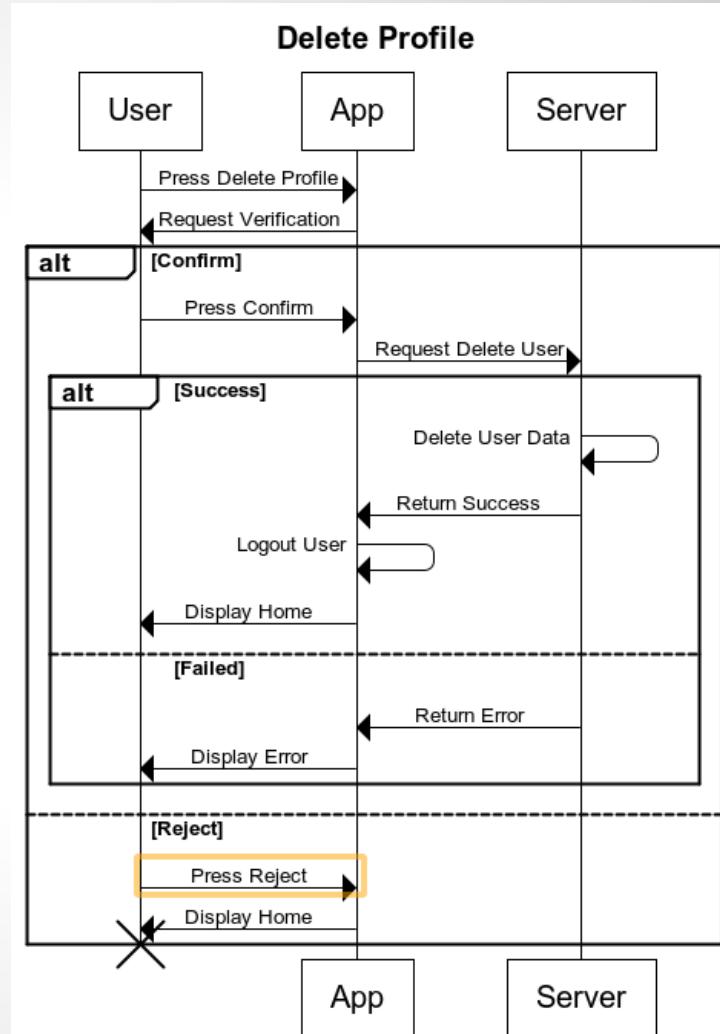
If the user wishes to search a keyword, they will press that button, and when presented with a text field, enter the keyword they wish to search. The app will then form a SQL query and retrieve the relevant information from the database. Upon retrieval the app will then display it to the user.

If the user wishes to browse by Category, Time, or Location, they will press the relevant button, then the app will form the proper SQL query and retrieve the data from the database. upon retrieval, the app will display the filtered list to the user.

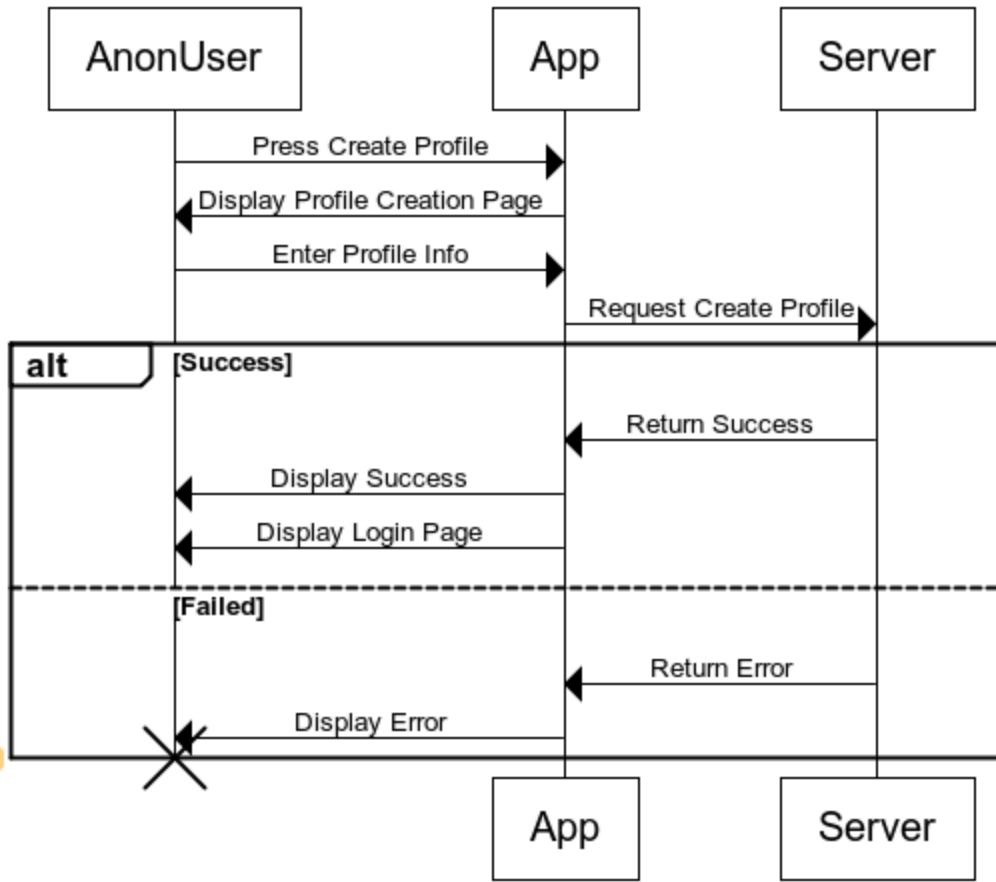


Sequence Diagrams Cont.

If the user wishes to delete their profile, they will navigate to the settings menu, and press “Delete Profile.” The app will then return a confirmation prompt and upon confirmation will send the proper delete statement(s) to the server. After the account has been deleted the user will be logged out and returned to the home screen.



Create Profile



Sequence Diagrams Cont.

If an anonymous user wishes to create a profile, they will press the “Create Profile” button. The app will take the user to the profile creation page where they may enter the requesting information. Upon completion the app will send the insert (SQL) statements to the database. After a successful insertion the user will be notified and taken to the login screen.

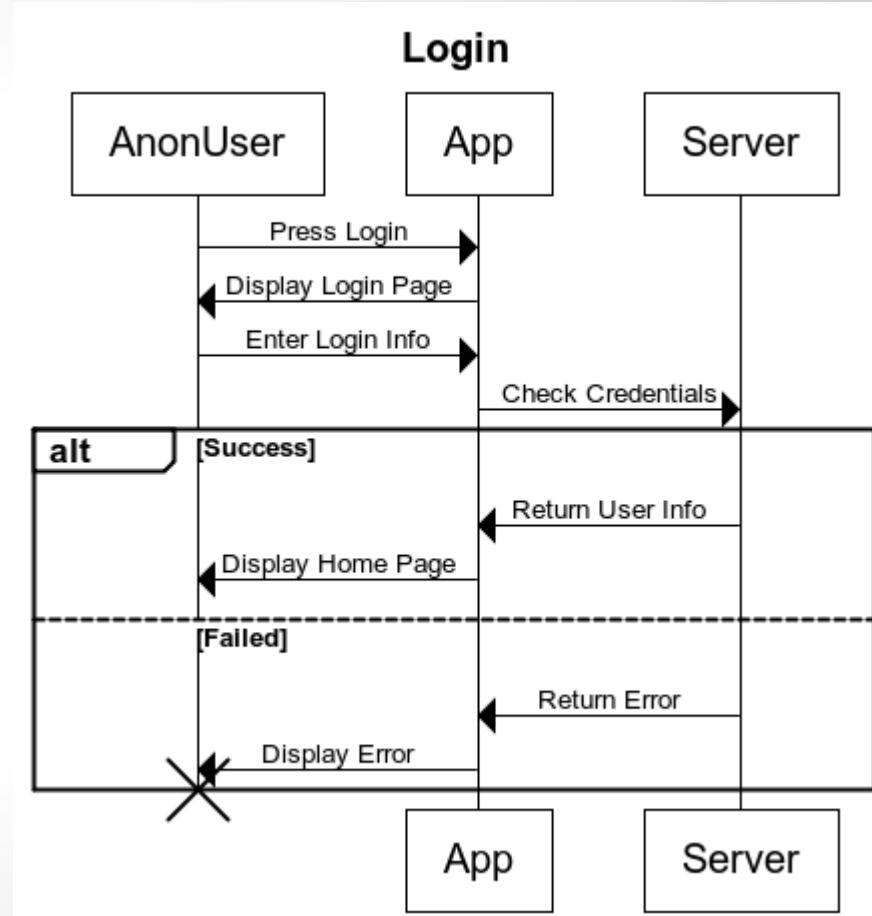
If an error occurs the user will be notified.

Sequence Diagrams

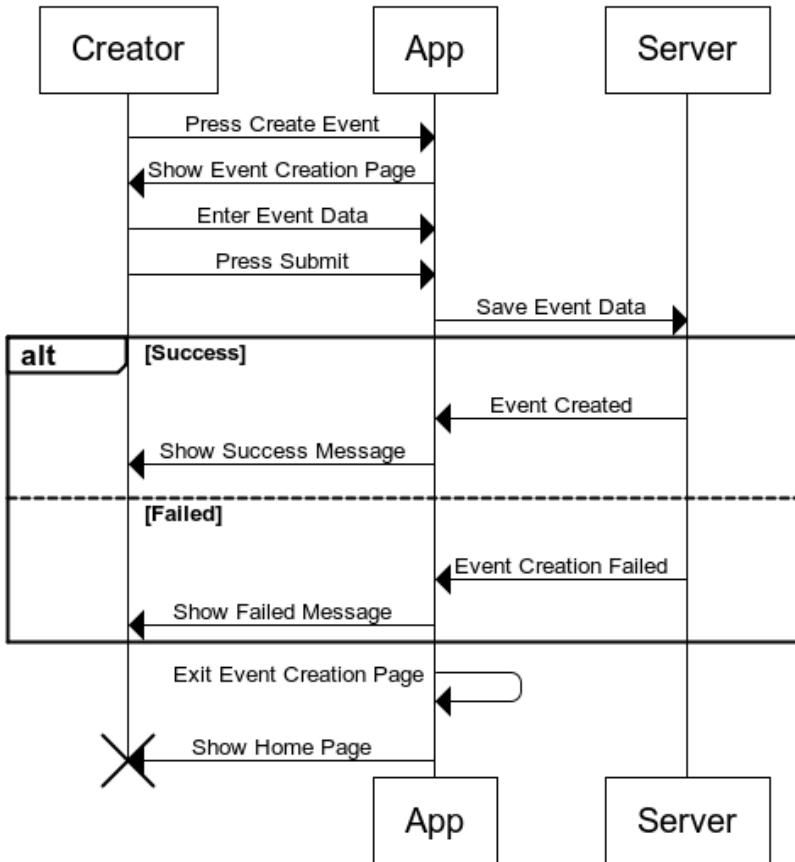
Cont.

If an anonymous user wishes to log in with a pre-existing account, they will press the “Login” button and be taken to the login page. After entering username and password the app will send the credentials to the server for comparison. If a match is found the server will return the appropriate profile information, the user will then be logged in, and taken to the home page.

If an error occurs the user will be notified.



Event Creation



Sequence Diagrams Cont.

If a user wishes to create an event, they will press “Create Event” whereupon they will be taken to the event creation page. Here they will enter the requested event data and press submit. The app will then send the data to the server. If the event is successfully created the user will be notified and taken to the home page.

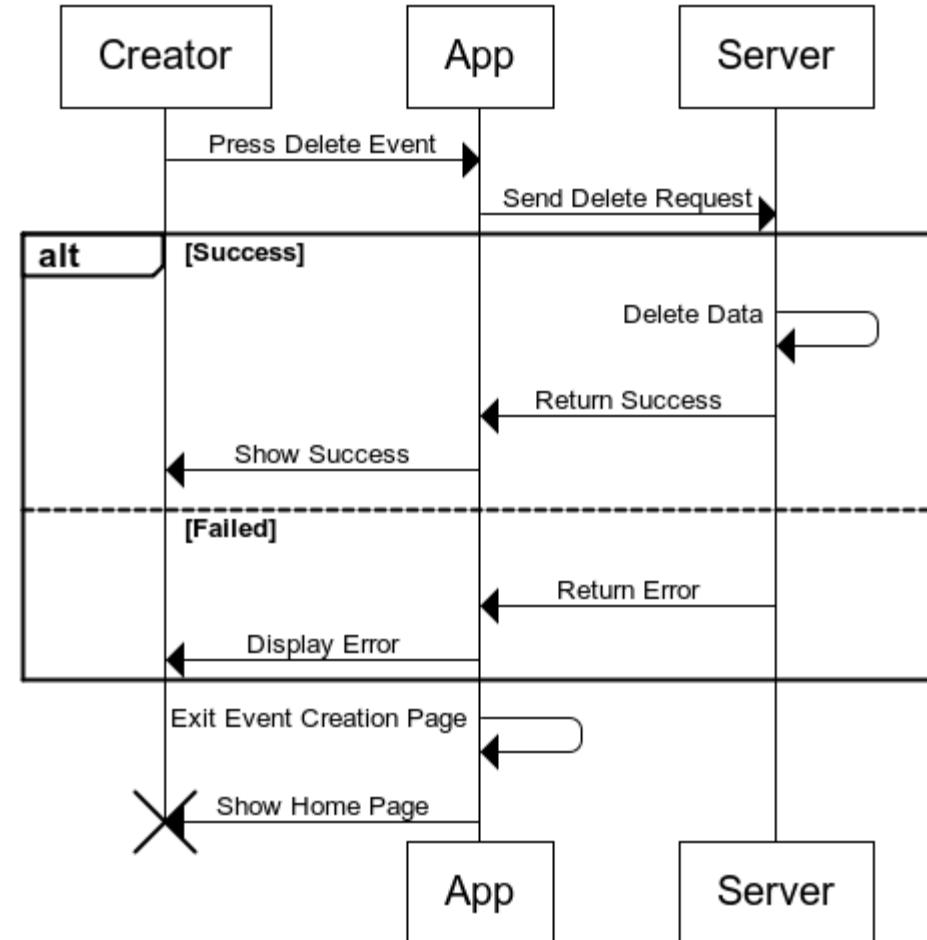
If an error occurs the user will be notified.

Sequence Diagrams Cont.

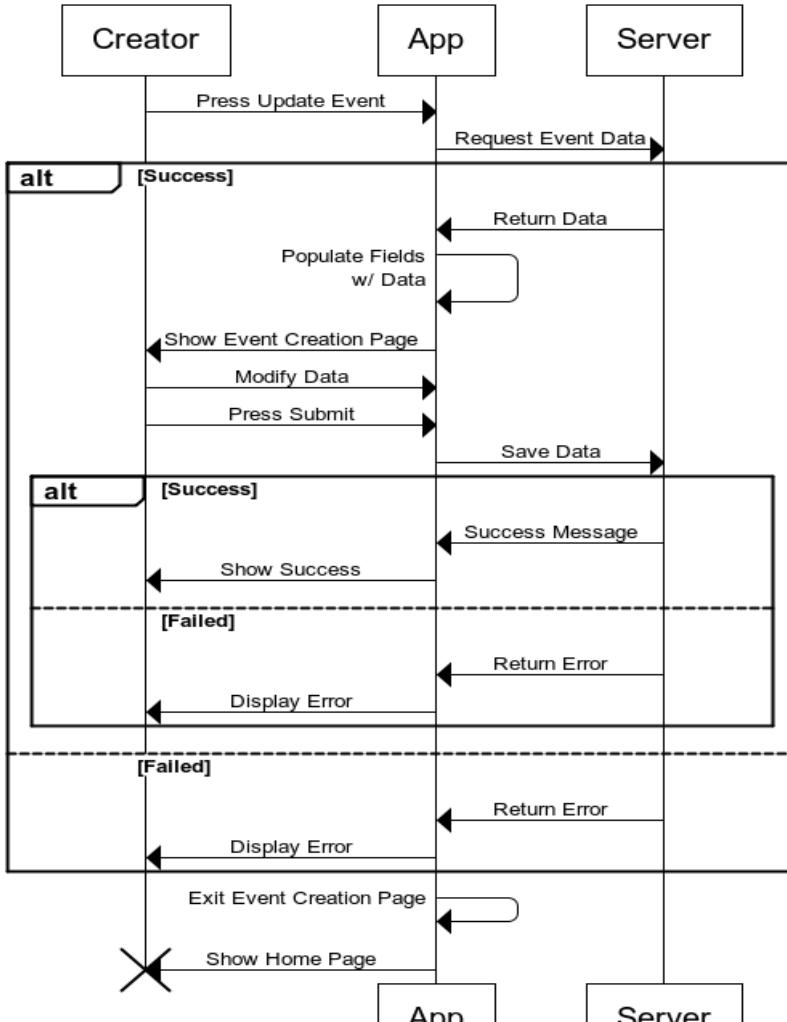
If a user wishes to delete an event they have created they will navigate to the event, and press “Delete Event” after the user confirms this, the delete request will be sent to the server. If successful the User will be notified and taken to the home page.

If an error occurs the user will be notified.

Delete Event



Update Event



Sequence Diagrams Cont.

If a user wishes to modify an event they have created they will navigate to the event page and press “Update Event” The User will then be taken to the event creation page (which will pre-populate all known fields. After the user has modified the data they wish to and submitted, the app will update the database. If successful the user will be notified and returned to the home screen.

If an error occurs the user will be notified.

Priority Changes

- Since the requirements presentation, we have made the decision that anonymous users cannot create events or comment on events. Only registered users will have this ability.