

This weeks goals were to implement the creation and modification of groups from within the application. This has been completed. It should be noted that, during the layout design phase during the previous semester, layouts were not created for the creation/modification of groups and events. These layouts have been created as part of this week's report.

Creation of groups and events has been implemented. The option for creating both entities is available in the "options" menu of the home screen. Due to the options menu becoming increasingly cluttered, a Navigation Drawer could improve the aesthetic quality of the application and could be implemented at a later date if time permits¹.

When creating a group, the user is currently prompted to enter a name and description of the group. Group photos are scheduled to be added in a later report. A "Create" button exists to finally create the group. A toast will appear if a connection to the server cannot be made. No changes will be applied if a connection cannot be created. If the group name is taken, an error message will appear to alert the user. If a connection is made with an applicable group name, the new group will be added to the database, a success dialog will be displayed to the user, and the user will be brought back to the previous screen upon accepting the dialog.

Similarly, the create event page supports the entry of name, and description fields. Presently, the user may also enter a string-form time and date. Time/Date selectors will be implemented along with the ability to select a map location during a future report.

Modification of groups and events has been implemented. In both cases, the user accesses a group or event as they typically would. If the user is the creator of the event or group, then they are presented with a similar page that allows them to modify the fields of the page. Upon modification of the group or event, the user may select the update button. If a connection to the server cannot be made, a toast will be presented alerting the user of this. No changes will be applied if a connection cannot be created. After submission to the server, the server will update the changes and reply with a success message. A success dialog will be displayed for the user. Upon acceptance of the success dialog, the user will be brought back to the previous screen. In the case of an event modification, the user will be returned to the home screen and the home screen will be refreshed to reflect the new data. In the case of a group modification, the user will be brought back to the search page and the query will be refreshed to reflect the new data.

¹ "Navigation Drawer | Android Developers." 2013. 2 Feb. 2015
<<https://developer.android.com/design/patterns/navigation-drawer.html>>

Creation and modification of groups and events has been implemented. A navigation drawer may be a strong alternative to the options menu. Error messages are in place to handle various issues. More advanced data types such as map locations will be implemented at a future date. Upon the creation or modification of a group, you will be returned to the previous page. The previous page will update with the most recent modifications.