

Group 6A Final Project

By:
Michael Vitulli
Arunkumar Bagavathi

Contents

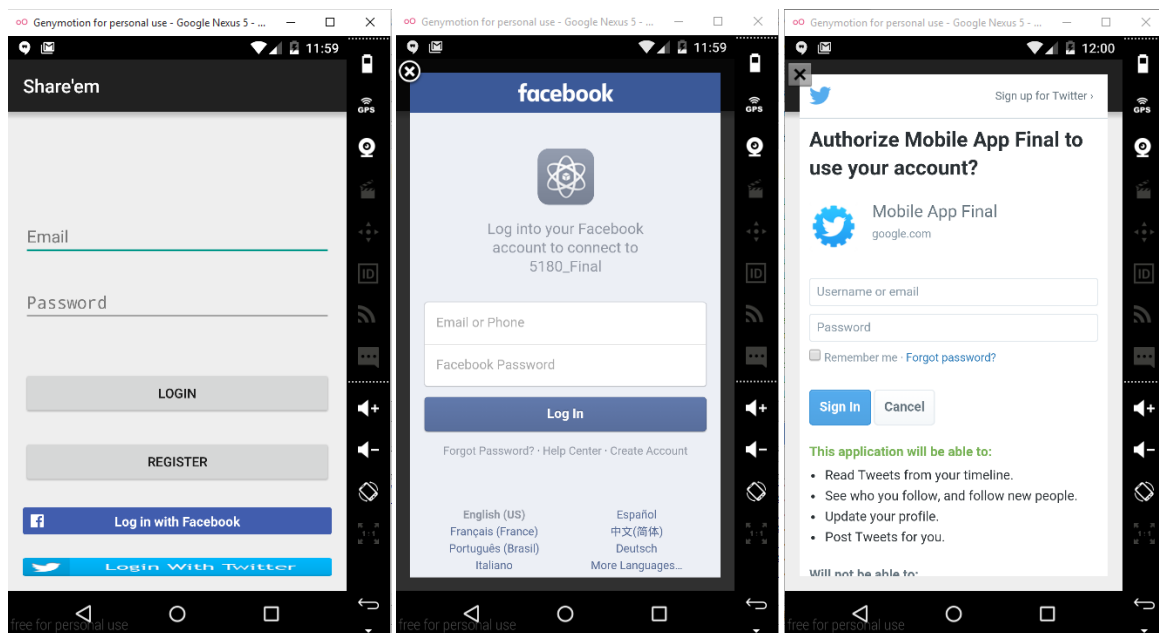
| | |
|--|-----|
| 1 - Application Description..... | 3 |
| 1.1 - Login Page..... | 3 |
| 1.2 - Register New User Page..... | 3 |
| 1.3 - Profile Page..... | 4 |
| 1.4 - Notifications Page..... | 5 |
| 1.5 - Inbox Page | 6 |
| 1.6 - Album Page | 8 |
| 1.6.1 - View Album | 8 |
| 1.6.2 - Create Album..... | 10 |
| 1.6.3 - Edit Album Page..... | 10 |
| 1.7 - Edit Profile Page..... | 13 |
| 1.8 - Push Notifications | 13 |
| 2 - Design Choices | 134 |
| 3 - Conclusion and Future enhancements | 14 |

1 - Application Description

This application is used to find other users in the software. On finding the users, you can share your albums with them. This is one of main features of this application. It provides you an interactive method to view all albums and album photos. And also you can message them within the software itself. This application is more secure because on performing any activity on other users, notification is sent to that user.

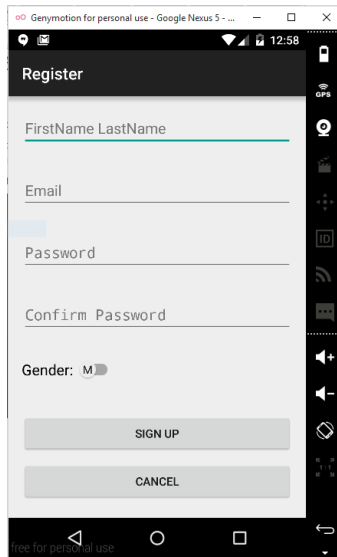
1.1 - Login Page

Upon starting the application the user is presented with a login screen. The user is able to login using preexisting credentials, create a new account, or login using Facebook/ Twitter. Clicking either the Facebook/ Twitter buttons will launch their respective login screens. After successful login on either of those sites a new Parse.com user will be created for them (if one doesn't exist already) otherwise the user will automatically be logged in.

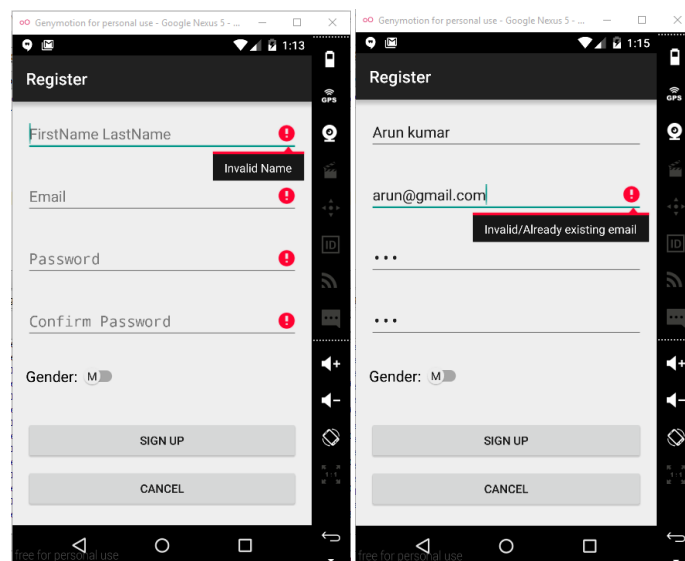


1.2 - Register New User Page

After clicking the "Register" button from the Login Screen you are taken to the Register New User Activity. Here the user will be able to (and be required for successful registration) input an array of different information for account creation.



If you try to create an account without inputting any data in the fields you will be greeted with nice warnings and not be able to proceed with account creating until inputting correct data. You will also be greeted with an error if you try to register an account with an email that already exists and will not be able to proceed until you register with a unique email.

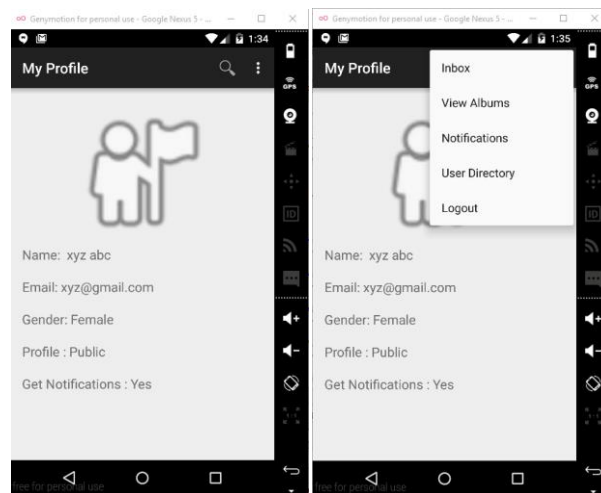


After successful registration you will be sent back to the Login Page where you can login with the credentials that you just used. After successfully logging in you will be sent to your profile page.

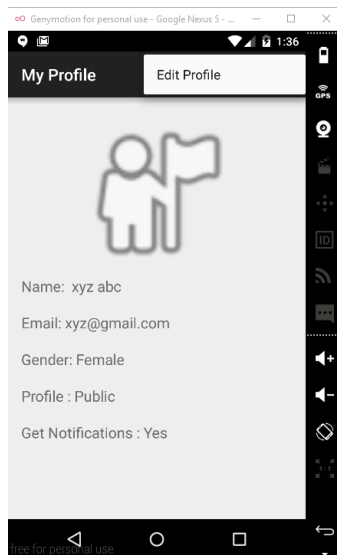
1.3 - Profile Page

After successfully logging into your profile, the profile page is displayed. All the information that you registered with will be pre-populated in the displayed fields (if you login via Facebook

or Twitter your data will be populated with the data from those accounts along with the image associated with those accounts). Clicking the menu icon (the three dots) will trigger a drop down menu of the different activities that you can complete.

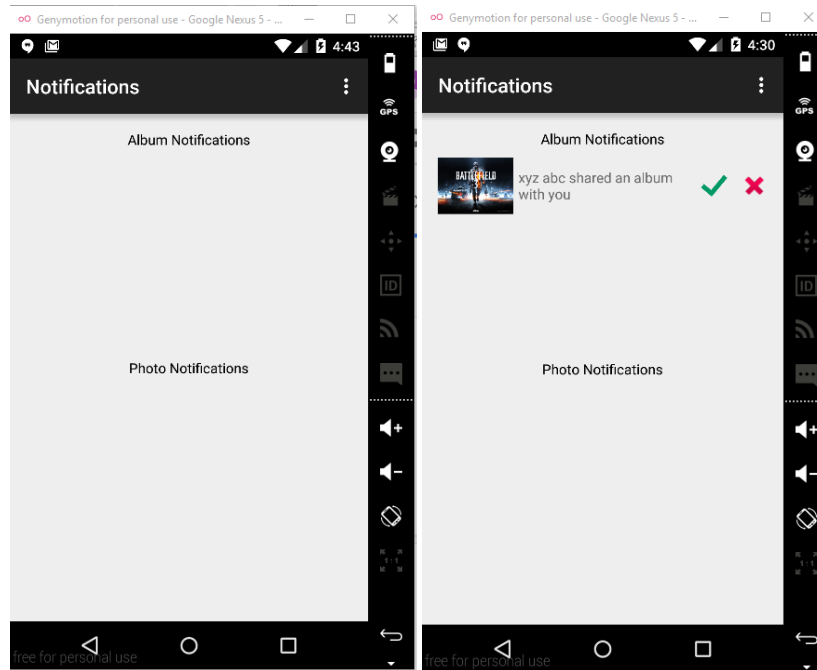


Clicking the hour glass is trigger another drop down menu. This menu is context sensitive and will change based on the current activity that you are in.

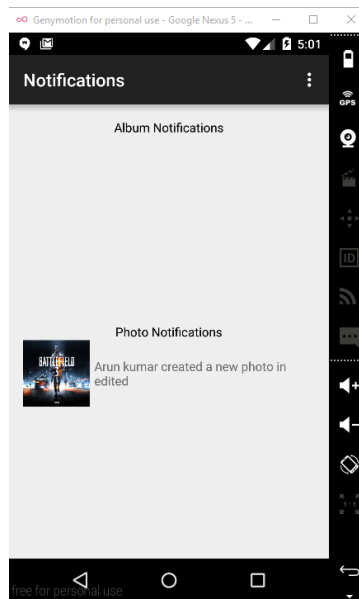


1.4 - Notifications Page

Clicking Notifications in the menu drop down will take you to your notifications page. Here you will be notified if a user has shared an album with you or edited an album that you also currently have permission to edit. Below is what it may look like before and when you get a notification about a new album being share with you. You are also presented with the option to not accept the invitation to edit someone else's album.

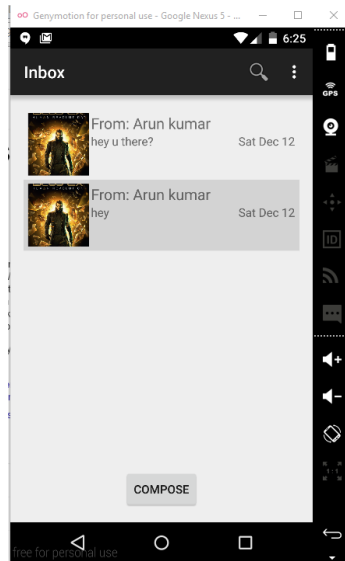


You are also notified if someone adds a new photo to an album that you also have permission to edit. You are able to directly view the newly added image by clicking on the notification.

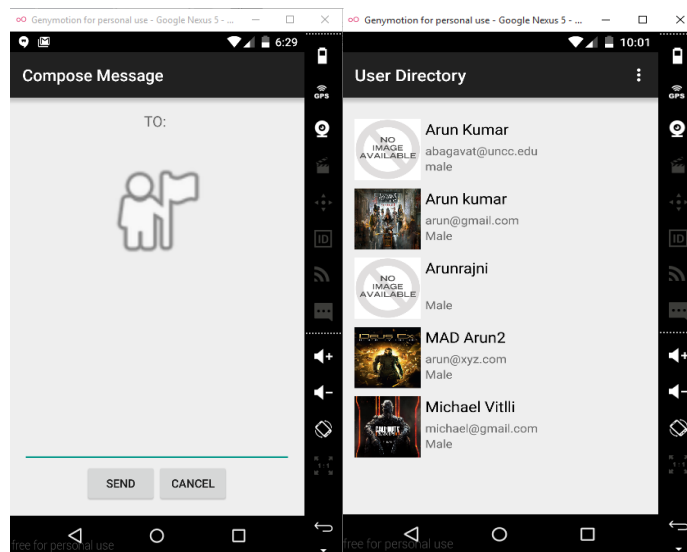


1.5 - Inbox Page

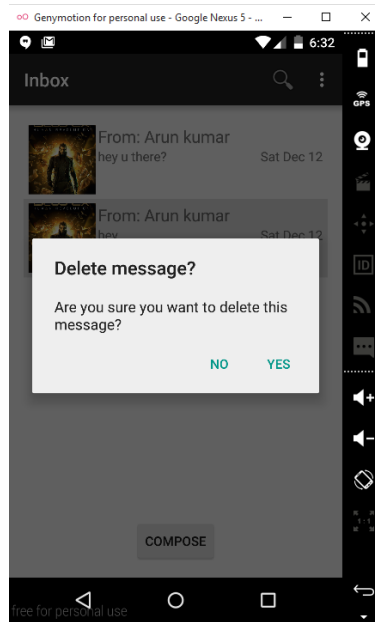
Clicking the Inbox drop down from the menu in the Profile Page will as shown below. This is where all of your current read/ unread messages will appear.



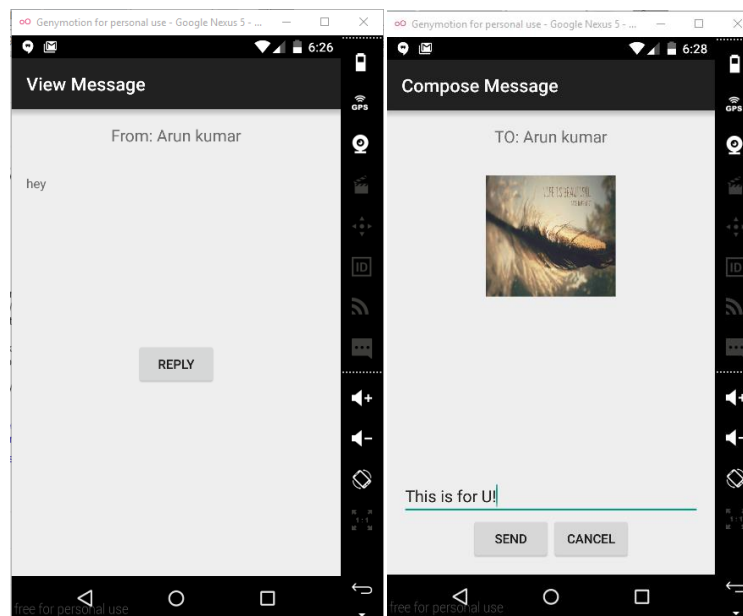
Clicking the Compose button will allow you to create a new message to send to any user in the system. Clicking the image will allow you to attach an image in the same fashion that you would change your profile picture. Clicking the TO: field will launch the User Directory (image on the right) and allow you to choose a user to send your message to.



Long pressing on any message in the inbox screen will give the option to delete the message.



Clicking on any message will open that message to allow you to view the message in more detail. Here we implemented a Reply button, upon clicking the button you will be taken to compose a new message where the TO: field is pre-populated with the sender of the original message (image on the right).

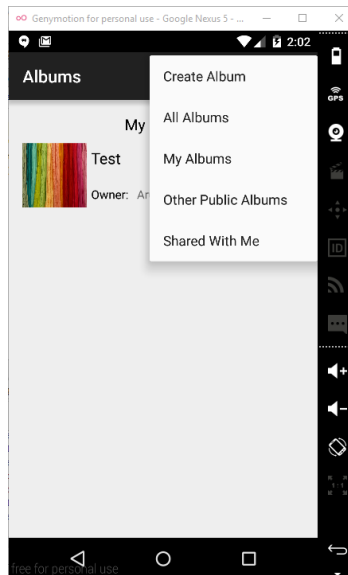


1.6 - Album Page

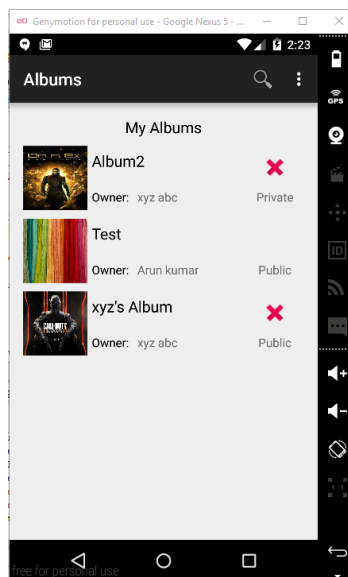
1.6.1 - View Album

Clicking the View Album option from the general menu drop down will take to the main Album view. Here you are able to view albums in many different ways. Clicking the hour glass will

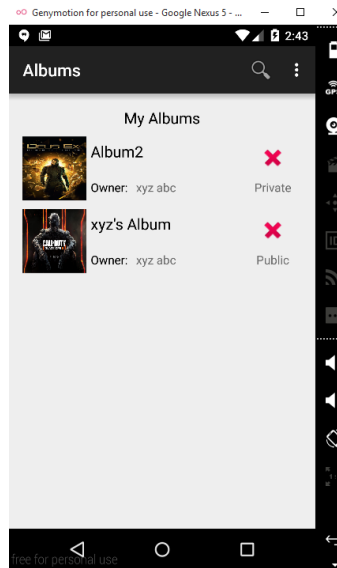
again bring up options that are specific to the screen that you are currently viewing. Such as Create Album, All Albums, My Albums, Other Public Albums, and Shared with you.



All Albums shows all albums created by you and those that are shared with you. Those items that are shared with you not have you as an owner.

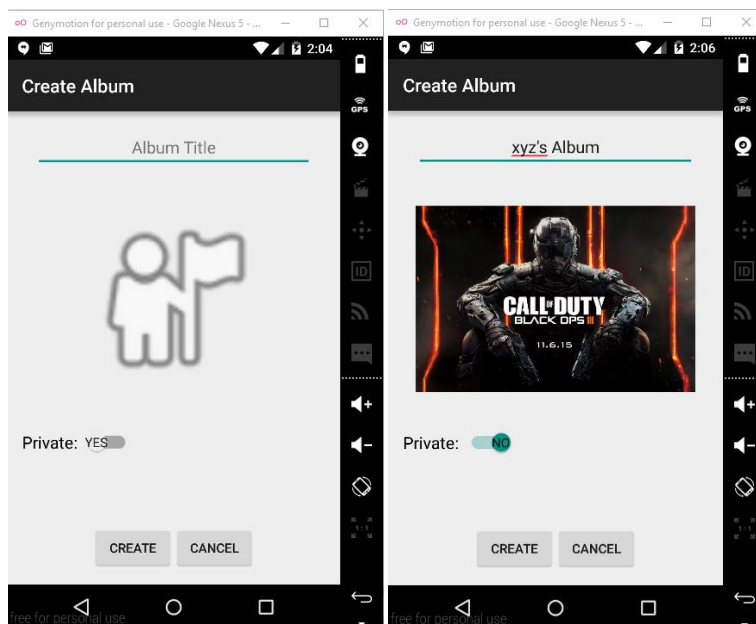


My Albums only shows the albums that you have created.



1.6.2 - Create Album

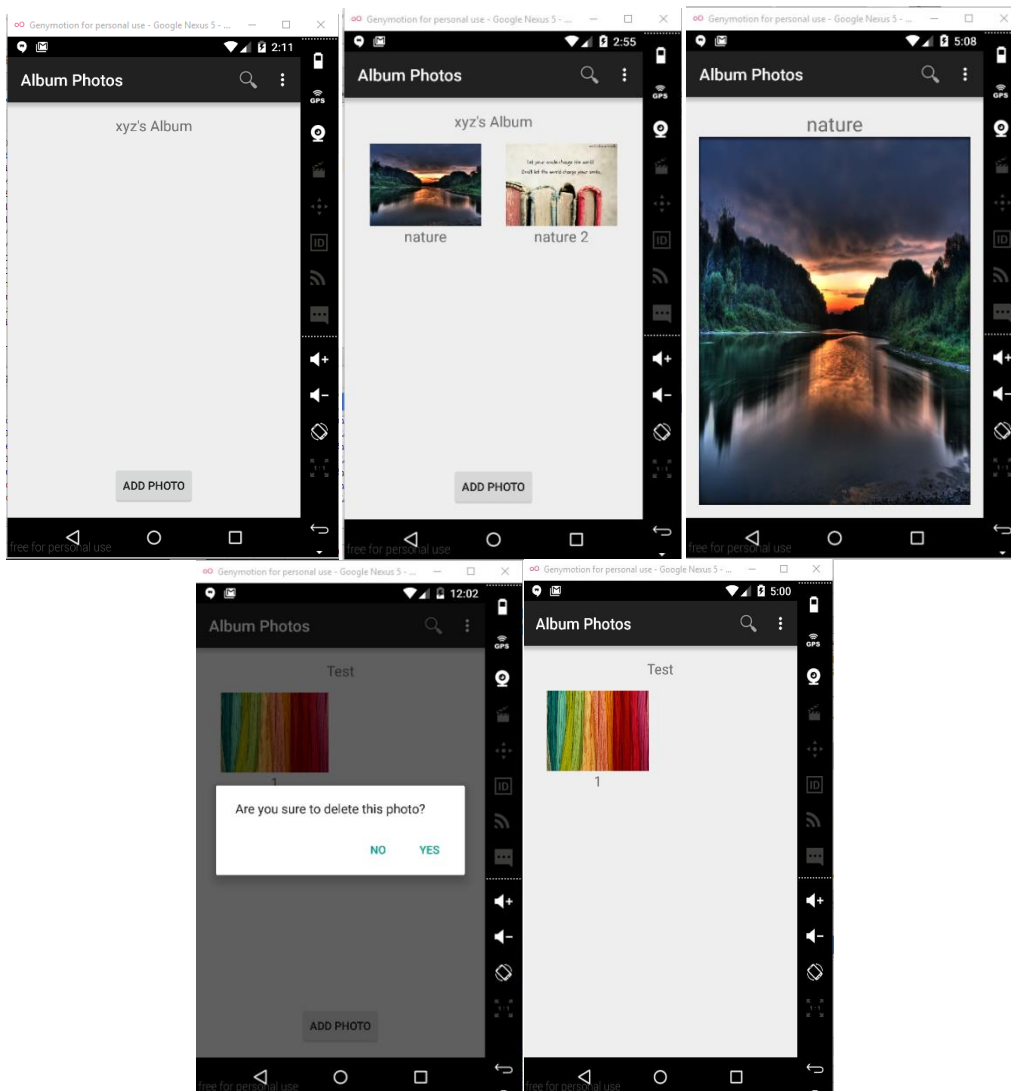
Create Album will allow you create a new album to be posted. You are able to set a title for your album, set a cover image, and set whether it is private or not. The image on the right is what a new created album may look like before it is saved. After saving it will show up in the album list view as show above.



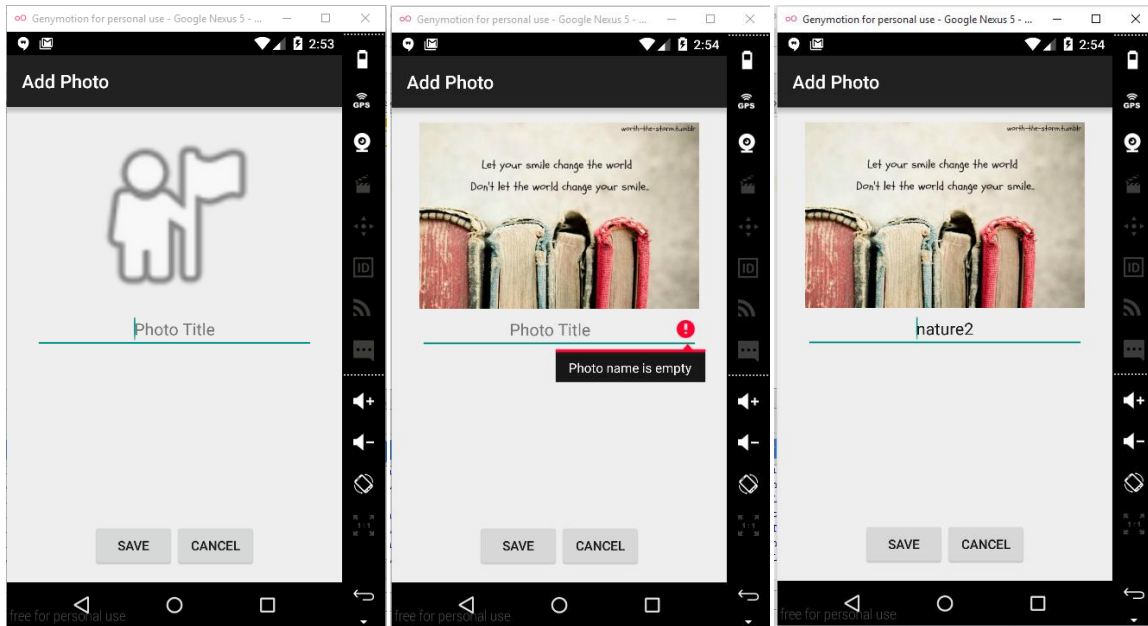
1.6.3 - Album Photos Page

After clicking an album form the list displayed to you or immediately after creating the new album, you are taken "inside" the album. Here as owner/shared user, you can add images to the

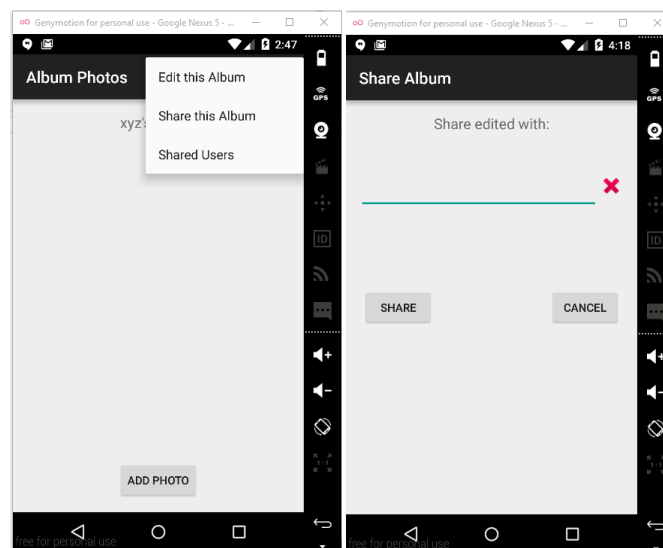
currently selected album as you see fit. After adding images to your album they are displayed in a grid pattern to make viewing easy. Other users can only just view the album photos. You are able to select any image to view them in more detail. Only the owner of the album can delete photos from the album. From left to right: Album View before adding pictures, after adding pictures, and detailed view of a selected picture. Deleting images works the same way that it does for deleting messages; long pressing on any image will give you the option to delete that image; album photos view for common user other than owner/shared user.

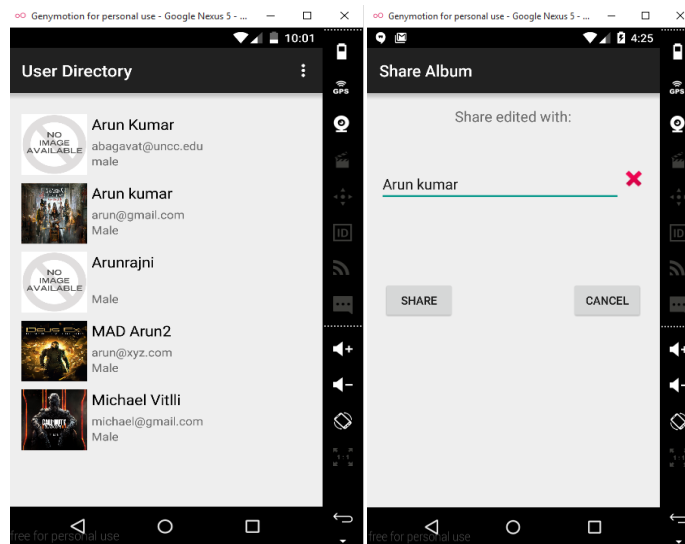


Clicking the Add Photo button will allow you to add more photos to your currently selected album. Clicking the default image will allow you to choose an image to upload. You will not be able to add the currently selected image if you don't add a name for the image prior to uploading.



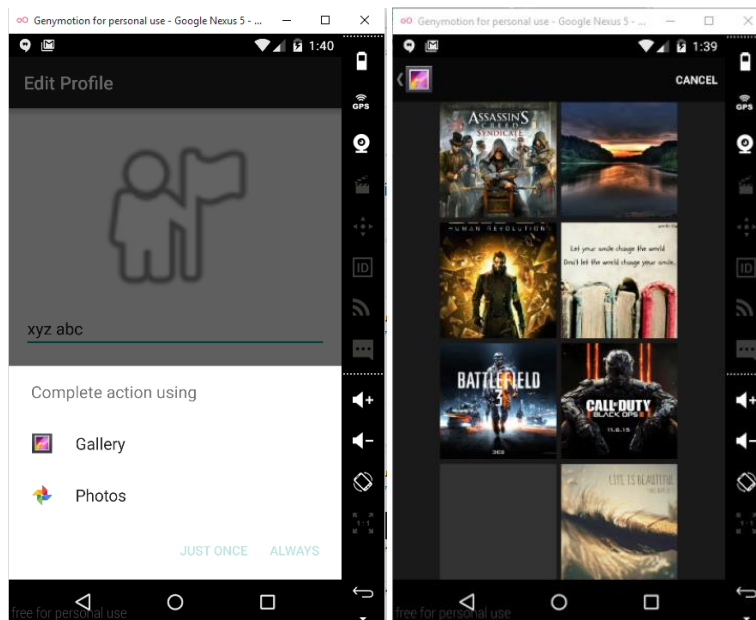
As any other activity in our application the context sensitive menu changes with the Album View as well. Only the owner of the album is presented with three options: Edit this Album, Share this Album, and Shared Users. Selecting Edit this Album will allow you to change the name of the Album or the image used to represent the album (This uses the same type of activity used to create the album). Share this Album will launch the Share Album Activity. This will eventually launch the User Directory allowing you select a user to share the current album with them, giving them the opportunity to add images to this album as well. Shared users (image on the right) will display a list of users that have been granted permission to add images to the album.





1.7 - Edit Profile Page

Clicking the default profile icon (or whatever icon may be pre-populated) will allow you to choose another image to upload as your profile icon that other users will be able to see. You are presented with multiple options for uploading an image; one way is presented below (clicking Gallery).



1.8 - Push Notifications

When a user A sends a message to user B or when user A shares some albums with user B or when user A adds some photos to the album of user B, push notification is sent to the user B. Refer videos for the demonstration of push notifications

2 - Design Choices

Since there are a wide variety of options available to the user at any given time we tried to minimize the amount of UI displayed at any point.

- As such, we decided to "hide" many of the options in drop down menus. In addition to that, we had a separate drop down menu that was context sensitive to help minimize the length of the menu drop down. We felt this was the most streamlined and most straight forward way to implement all the functionality available to the user.
- For viewing the photos of an album, we used slider. So that user can slide through the available photos instead of going back to the photos list to select a next image.
- We have also used parse cloud code for sending the push notifications alone. Thus all push notifications are operated in the cloud instead of working in the device / device background.

3 – Conclusion and Future enhancements

The developed application turned out well when compared to the proposed application. Introducing threads, Async Tasks and Parse Cloud makes the application more powerful and efficient. As a future enhancements, we are planning to introduce the ‘refresh’ icon in the Inbox, Album list and also Album photos activities. By doing this, user is not needed to go back and come again to view new entries. And also we are planning to make all back end works to be implemented in the Parse Cloud, so the application can be still faster.