

Project 4 - GrouPix

Name: John Tungul

Email: jtungul53@yahoo.com

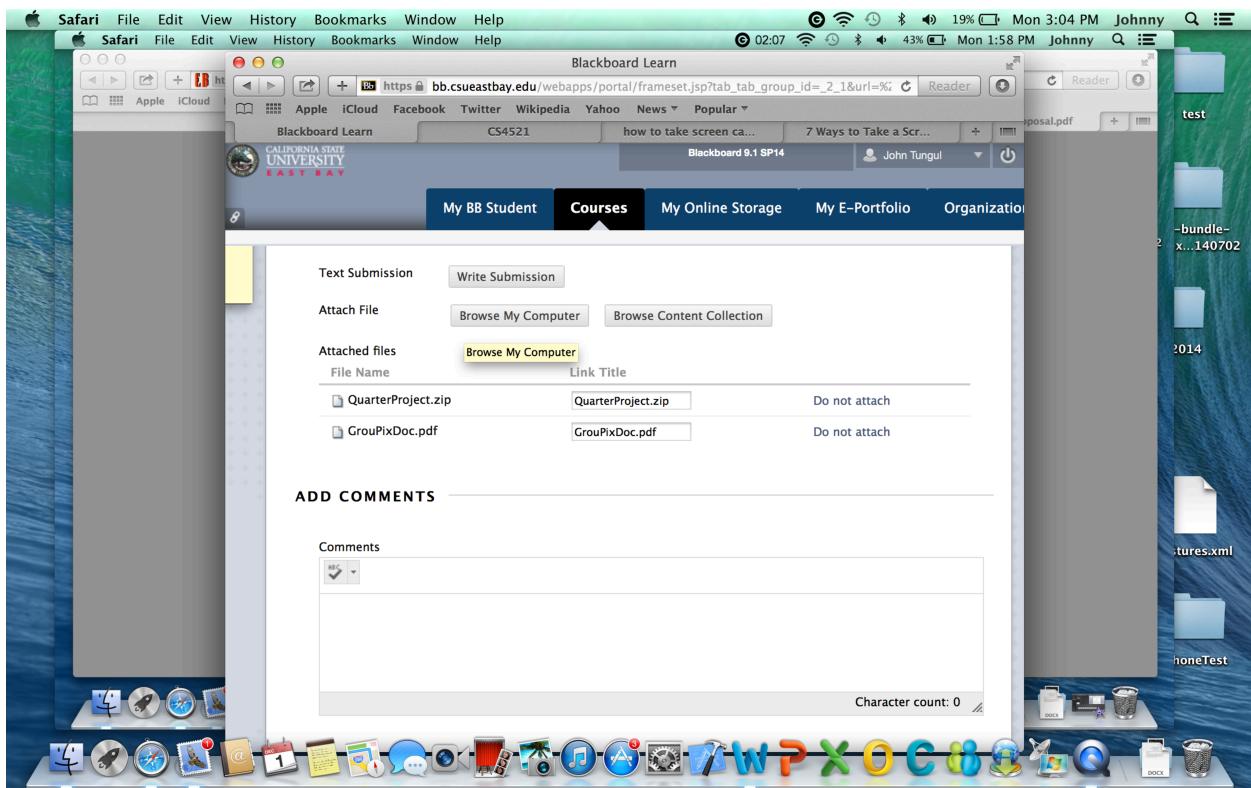
Section 0 Introduction and Proposal:

The name of the app is GrouPix. The purpose of this app is to reduce the amount of steps required to send pictures to groups of people. It should set up once, and automate for the duration of time set.

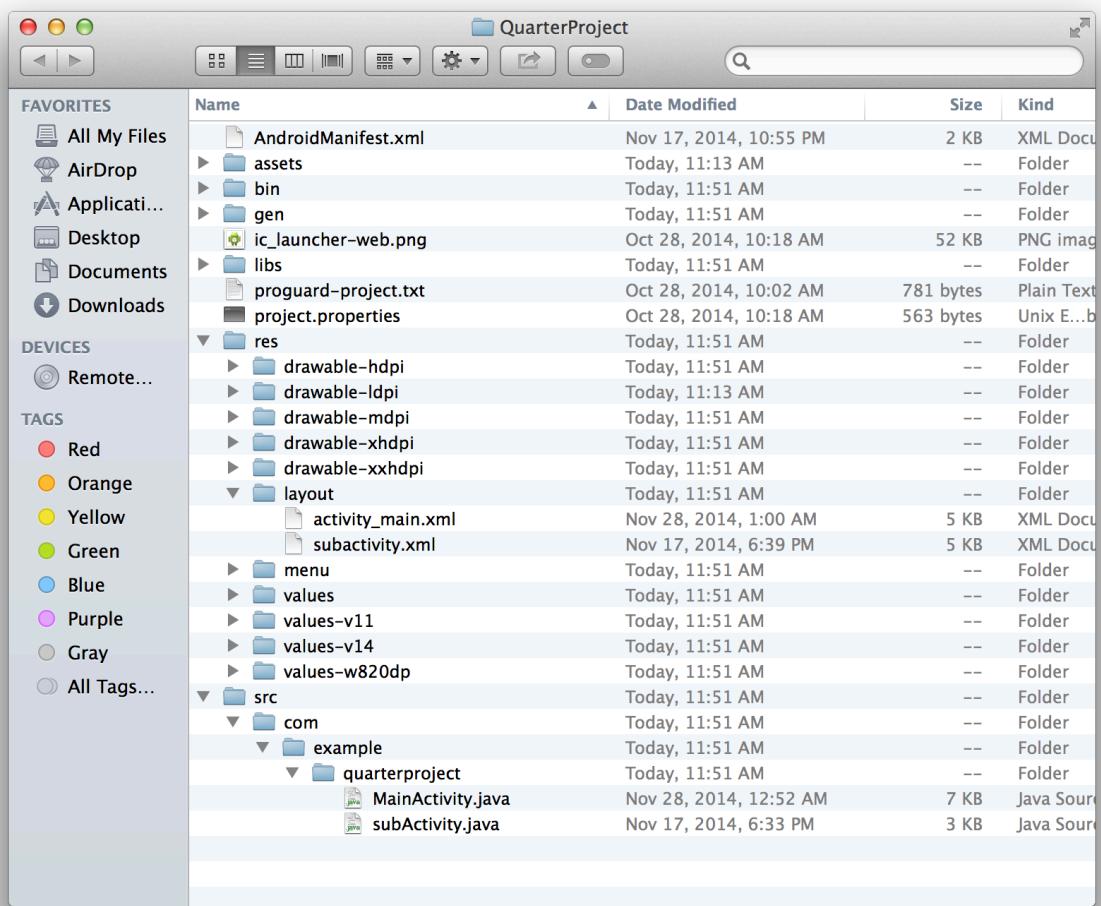
GrouPix allows users to instantly share pictures within a group. During events, some people find that they have pictures they want on someone else's phone. A person in this situation must ask the person in possession of the picture to send it to them. It is time consuming to look through all the pictures taken on that occasion and send the person each picture that they potentially want. Imagine going through this situation with more than three people. The process would become increasingly longer. Have you ever taken a picture with someone, only to have them delete it because they were not satisfied in how they looked? This will no longer be a problem with the proposed solution.

The solution to this problem is to send the pictures the instant they are being taken, to each individual in the group. All pictures taken of users in the group are instantly uploaded to a server, or instantly sent to everyone in the group. This eliminates the time required to send them individually. Everyone can go through the pictures and pick which one they want to save. The option to instantly upload can be turned off, or set to last for a specific duration specified by the user.

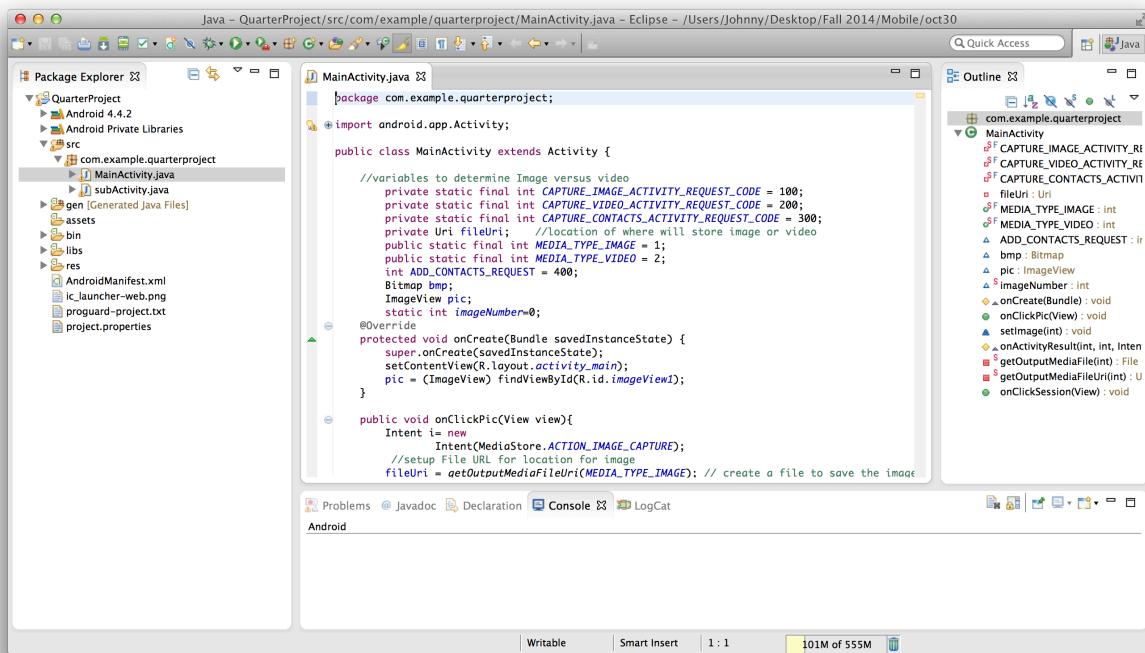
Section 1 Execution Instructions:



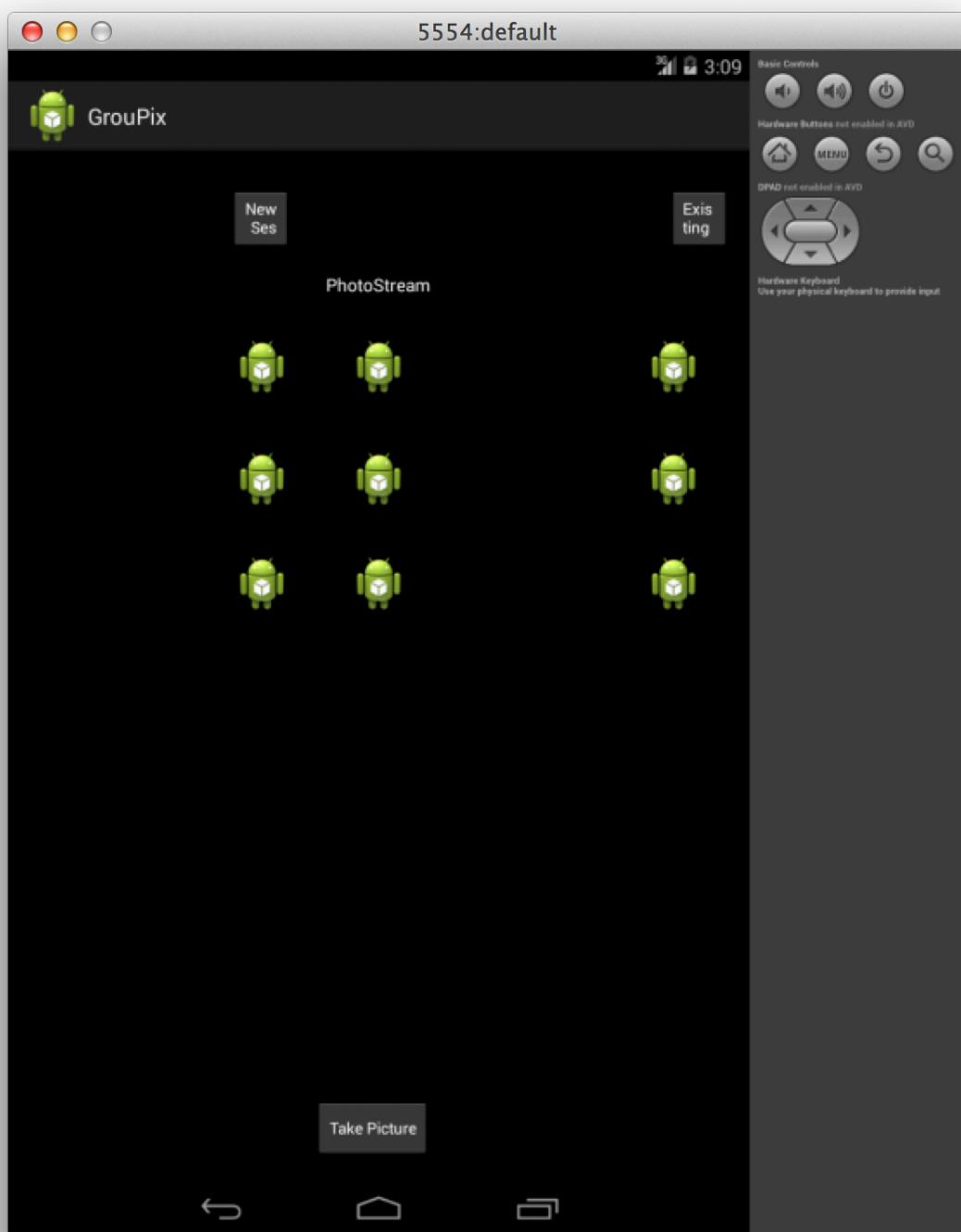
1.1 = screen shot of your files uploaded to Project 1 turn in folder on blackboard



screenshot 1.2 = Structure of unzipped QuarterProject.zip file. Unzipping produces a folder with the same name as the zip file. The contents of the zip file is shown in figure 1.2



screenshot 1.3 = Open eclipse and choose any workspace directory, delete the current projects in the package window on the left. Select File->Import->General->Existing Projects Into Workspace-> Select Root Directory->Select the folder that was unzipped-> Finish



screenshot 1.4 = Eclipse running the application - show screenshot of it running. If I must do something beyond simply hitting the "run" button, you need to give screenshots and step by step instructions.

“Run” button, Run as “Android Application”. It looks uneven on the emulator, and much more centered on a device. Contacts must be added to use the “Add Contacts” feature.

Section 2 Code Description

-MainActivity.java

This source code file is the main source of the program. It provides the functionality of the first activity. It contains 2 clickable buttons that start the sub activity. It also contains another button labeled “Take Picture”, which calls the camera intent to take a photo and populate the next available ImageView. It also calls the message send intent that enables sending the picture to others.

-SubActivity.java

subActivity contains the duration of automatic sharing, a list of current group members and an add contact button. The add contact button calls the contact contract intent and lets the user select from the list of contacts on who to add to the group.

-activity_main.xml

This is the layout for the main page. It contains 3 buttons, and 9 ImageViews.

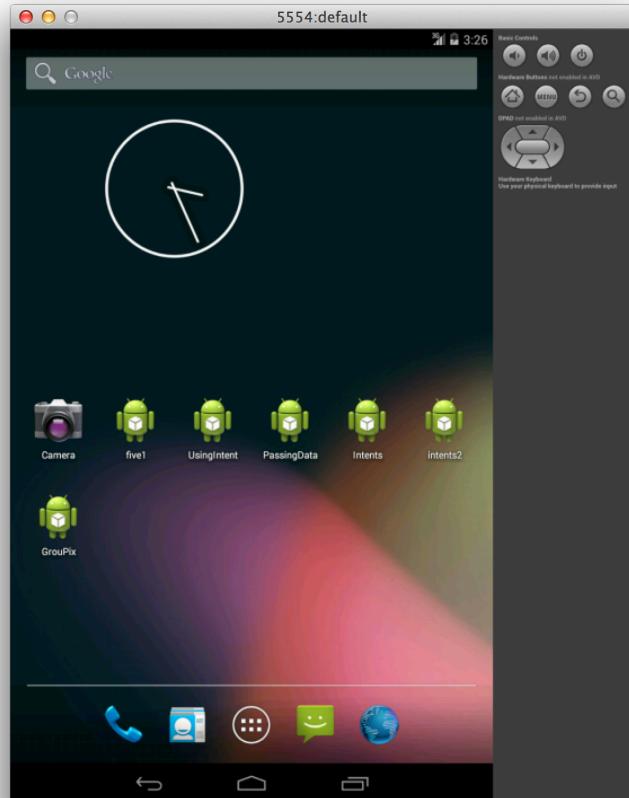
-subactivity.xml

This is the activity that loads when clicking new or existing button. This layout contains a list of contacts that will be displayed after selecting contacts. It contains an input for a duration of time that pictures will automatically be shared.

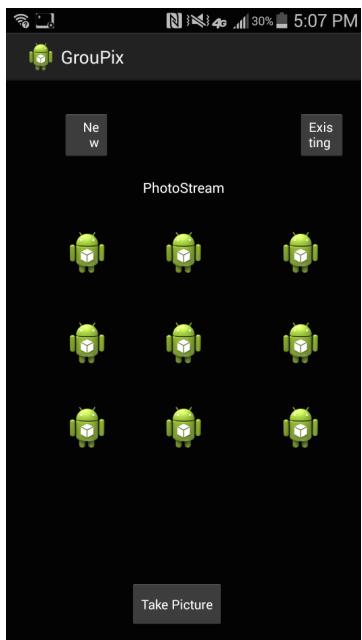
Section 3 Testing:

here you give screen shots of you running the various stages of the program as detailed here:

section 3.1: starting application

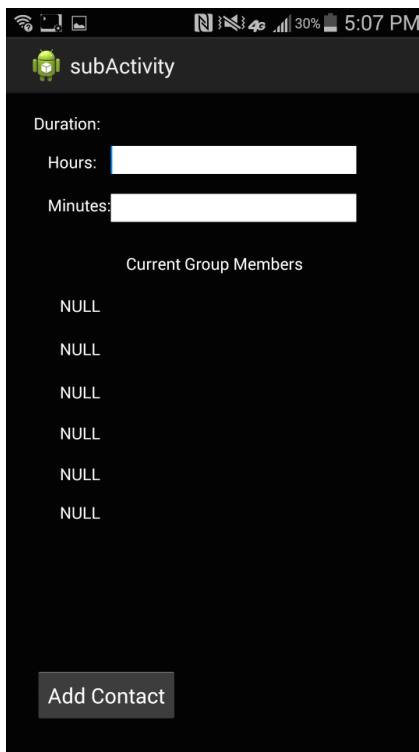


screenshot 3.1a= showing icon and resulting starting GUI.

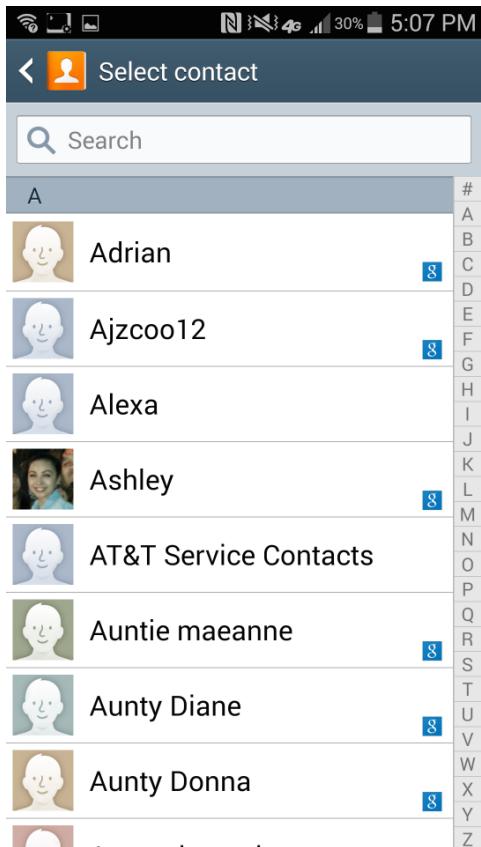


screenshot 3.1b= the image being viewed in your application that was just loaded. Beginning screen, No ImageViews will be initialized. User will choose to create a new group and move to subActivity.

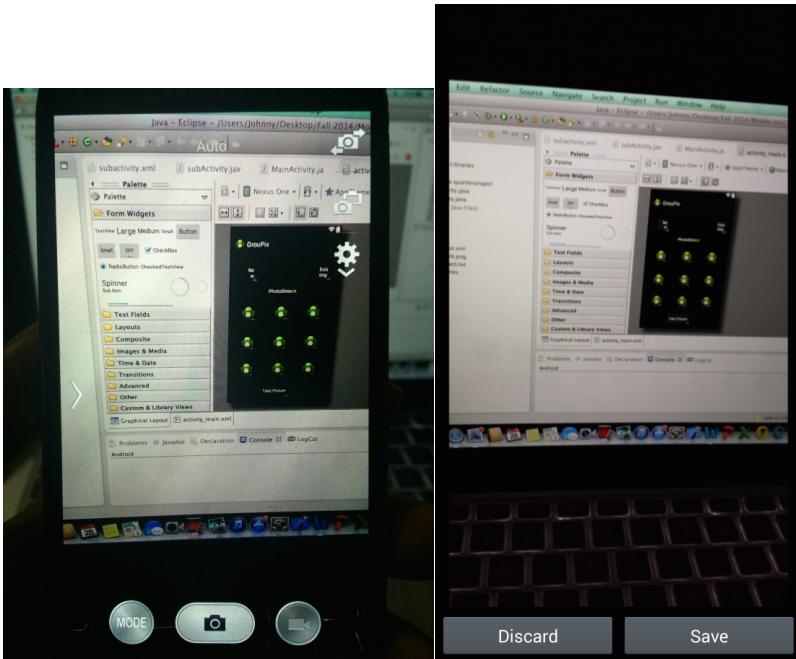
section 3.2: use-step 1 you need to discuss your results....discuss the steps involved in using the Android application including how the image or images are taken using the Android camera and the results.



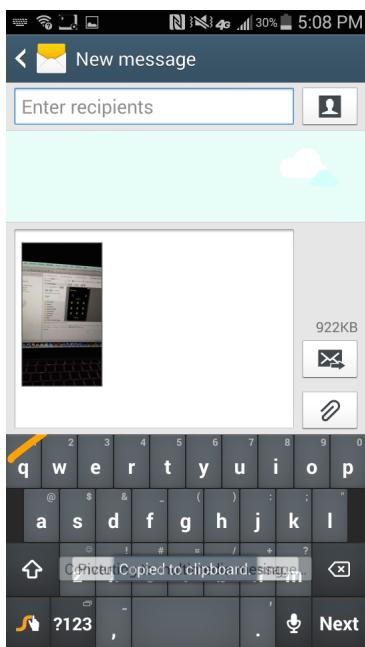
screenshot 3.2a = screen shot of active image in your application you are going to process. SubActivity activity will launch and bring up an activity with null contact lists. The duration currently does not affect anything. The user will select "Add Contact" and be brought to the contact list.



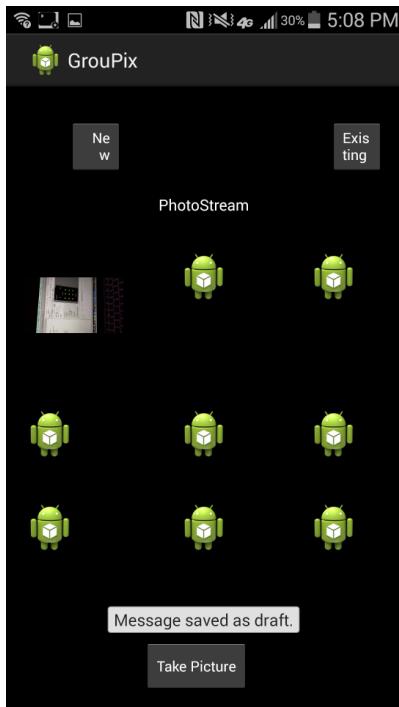
screenshot 3.2b = screen shot of showing results of running your program. Contact list will be active for user to select users to add to the group. This will initialize the second activity screen



screenshot 3.2c AND MORE = more screen shots as needed to demonstrate the steps involved in using this application. Once back in the second screen activity, users can push back to return to activity 1. From activity 1, they will push the "Take Picture" button and call the camera intent for photo. After taking a picture, the user will be prompted to save or discard



After saving, the messaging intent will run and the user will be able to send the picture. As of now, the recipients will not be filled out, and the user will have to add the group members manually. Eventually, the recipients will be filled out based on the contacts selected from “Add Contacts” step



After the user sends the picture, they can push back to return to the main screen, and the first picture will be set as the next available ImageView. Eventually, these ImageViews will automatically be initialized as images get received from other group members.

Section 4 Comments

Optional any comments you have regarding your code (**necessary if** your code is not working, you need to tell me in detail what the problem is or what is missing)

Notable features that are not working are the duration timer used for automatic sharing, Initializing the message recipients with the information gained from adding contacts. This should automatically

initialize to reduce the amount of steps needed to share pictures. It makes the “Add Contacts” button redundant as of now. Automatically downloading images that are received through mms on the premade group also not working. This is a key feature that needs to be implemented, but I was unable to find an event listener for mms to distinguish images and text. The last feature not working is the invitation to join feature.

Section 5 YouTube URL

<http://youtu.be/7kYHXRCuczY>