

Mini2_Assignment3

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Overall understanding of assignment3:

Assignment3 mainly focus on application of fragments and media player.

How to Run My Code:

1. Import the project to your android studio
2. Run on the Nexus6

```
apply plugin: 'com.android.application'

android {
    compileSdkVersion 23
    buildToolsVersion "23.0.2"

    defaultConfig {
        applicationId "org.me.yc2_mini2_assignment3_parta"
        minSdkVersion 23
        targetSdkVersion 23
        versionCode 1
        versionName "1.0"
    }
    buildTypes {
        release {
            minifyEnabled false
            proguardFiles getDefaultProguardFile('proguard-android.txt'), 'proguard-rules.pro'
        }
    }
}

dependencies {
    compile fileTree(dir: 'libs', include: ['*.jar'])
    testCompile 'junit:junit:4.12'
    compile 'com.android.support:appcompat-v7:23.2.0'
    compile 'com.google.android.gms:play-services-appindexing:8.1.0'
```

Part A:

Exception:

- fixException: implemented to fix customer exception
- TooManyStudentsException: customer exception when input students number greater than 40

Math:

- Counting: interface includes compare function
- findHigh: used to find the high score
- findLow: used to find the low Score
- Statistics: includes the data for students statistics

Util:

- DBIO: db functions
- FileIO: read file from assets

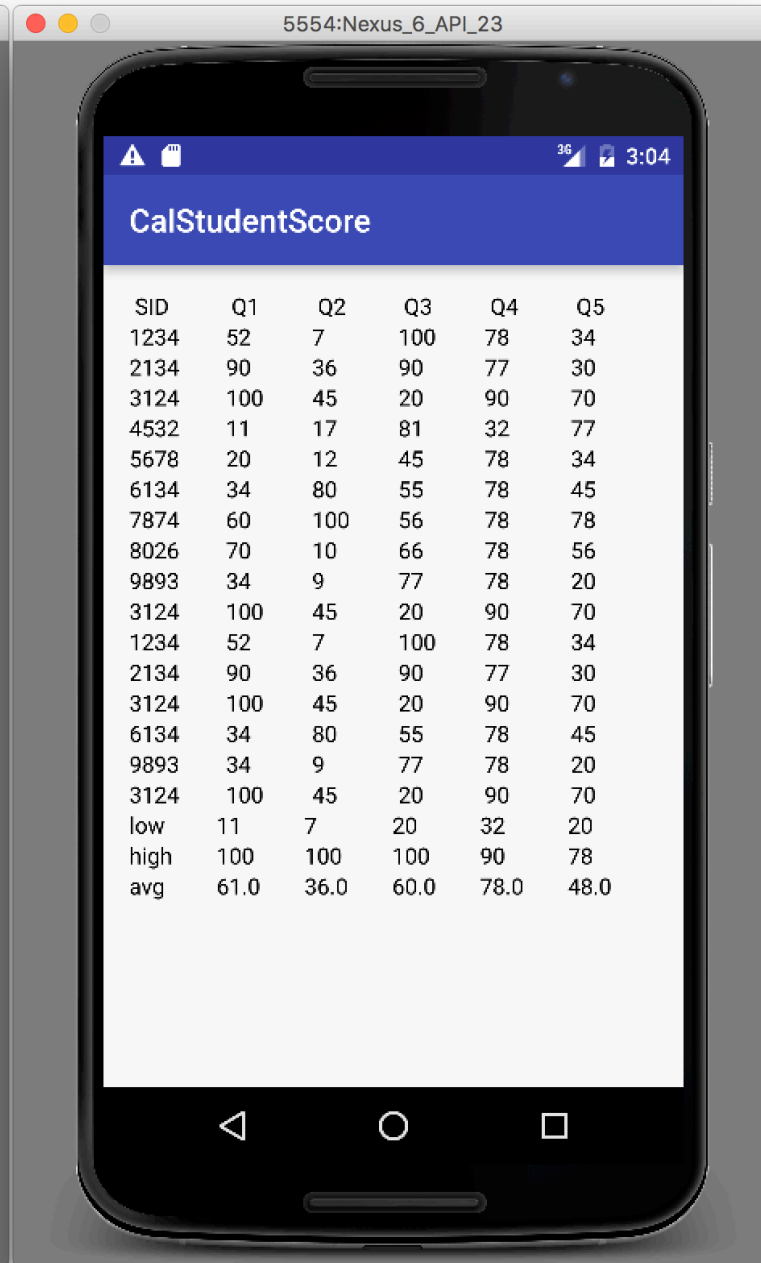
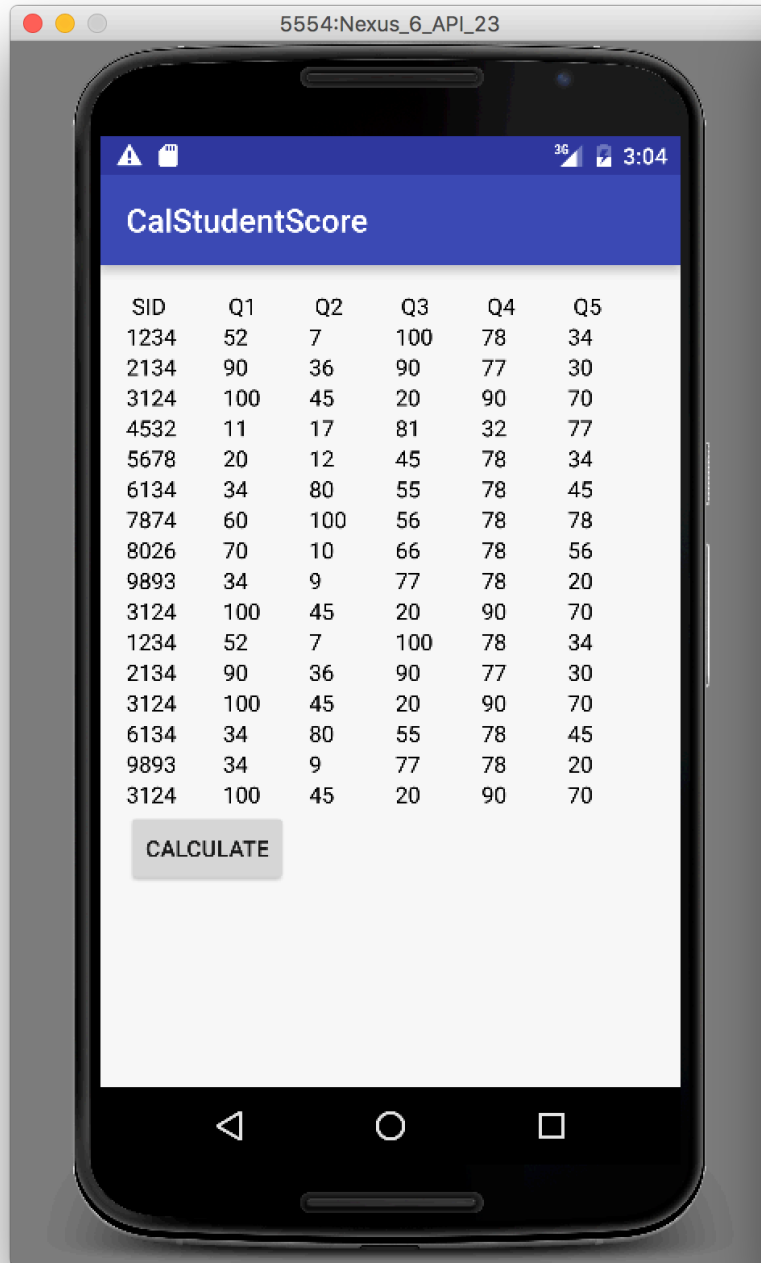
UI:

- CalScoreActivity: main activity
- CalStudentScore: the fragment used to display the calculate button
- DisplayCalScore: the fragment used to display calculated score
- DisplayStudentScore: the fragment used to display students' score

Model:

- People: model includes people's sid and scores
- Student : extens people

Part A:



Database:

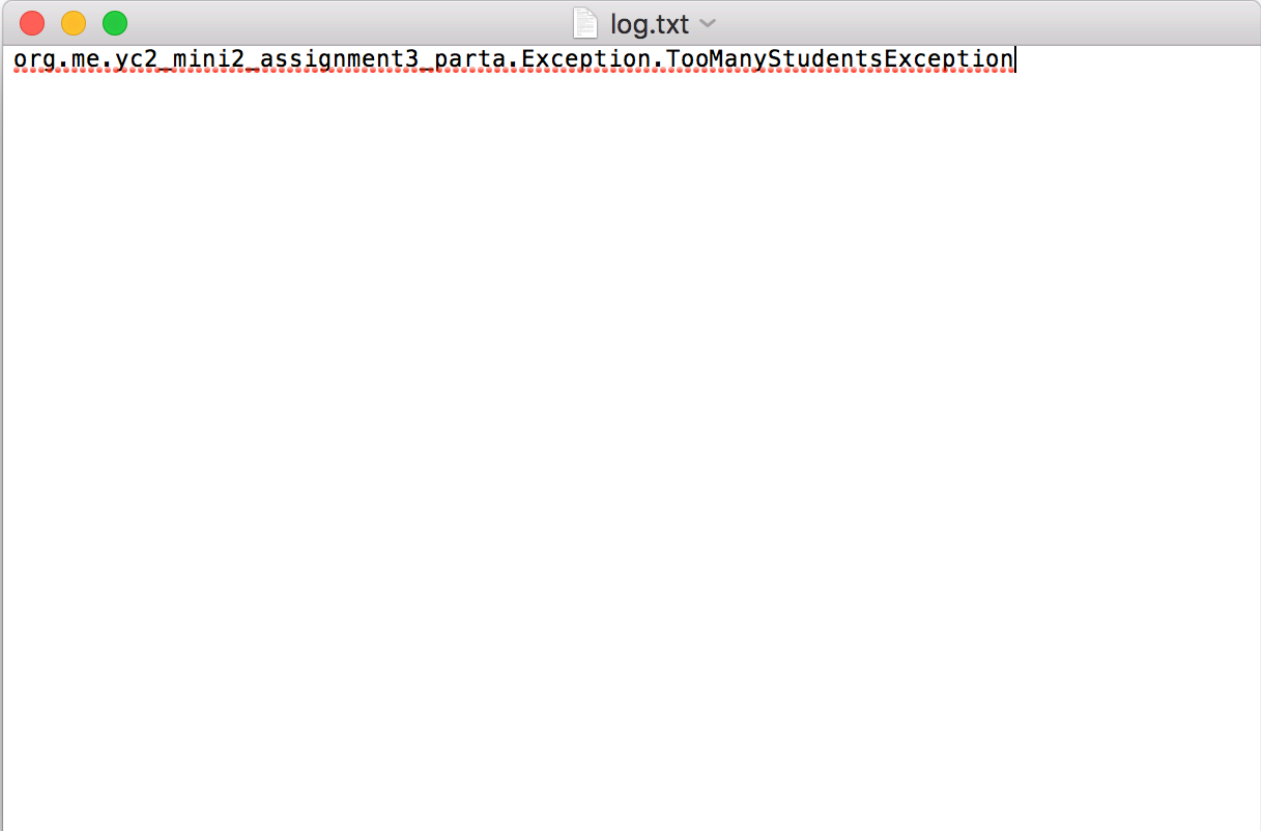
1. Here I use android device monitor to find the database and display it in sqllitebrowser

id		sid	Q1	Q2	Q3	Q4	Q5
Filter		Filter	Filter	Filter	Filter	Filter	Filter
1	1	1234	52	7	100	78	34
2	2	2134	90	36	90	77	30
3	3	3124	100	45	20	90	70
4	4	4532	11	17	81	32	77
5	5	5678	20	12	45	78	34
6	6	6134	34	80	55	78	45
7	7	7874	60	100	56	78	78
8	8	8026	70	10	66	78	56
9	9	9893	34	9	77	78	20
10	10	3124	100	45	20	90	70
11	11	1234	52	7	100	78	34

Exception Handling

The exceptions are recorded in log.txt

▼  org.me.yc2_mini2_assignment3_parta	2016-03-30 15:02 drwxr-x--x
▶  cache	2016-03-23 16:50 drwxrwx--x
▶  code_cache	2016-03-23 16:50 drwxrwx--x
▶  databases	2016-03-27 00:48 drwxrwx--x
▼  files	2016-03-30 15:02 drwxrwx--x
 log.txt	69 2016-03-30 15:02 -rw-rw----



Part B:

Exception:

fixException: implemented to fix customer exception

NotFoundException: customer exception throws when the media file cant be found

UI:

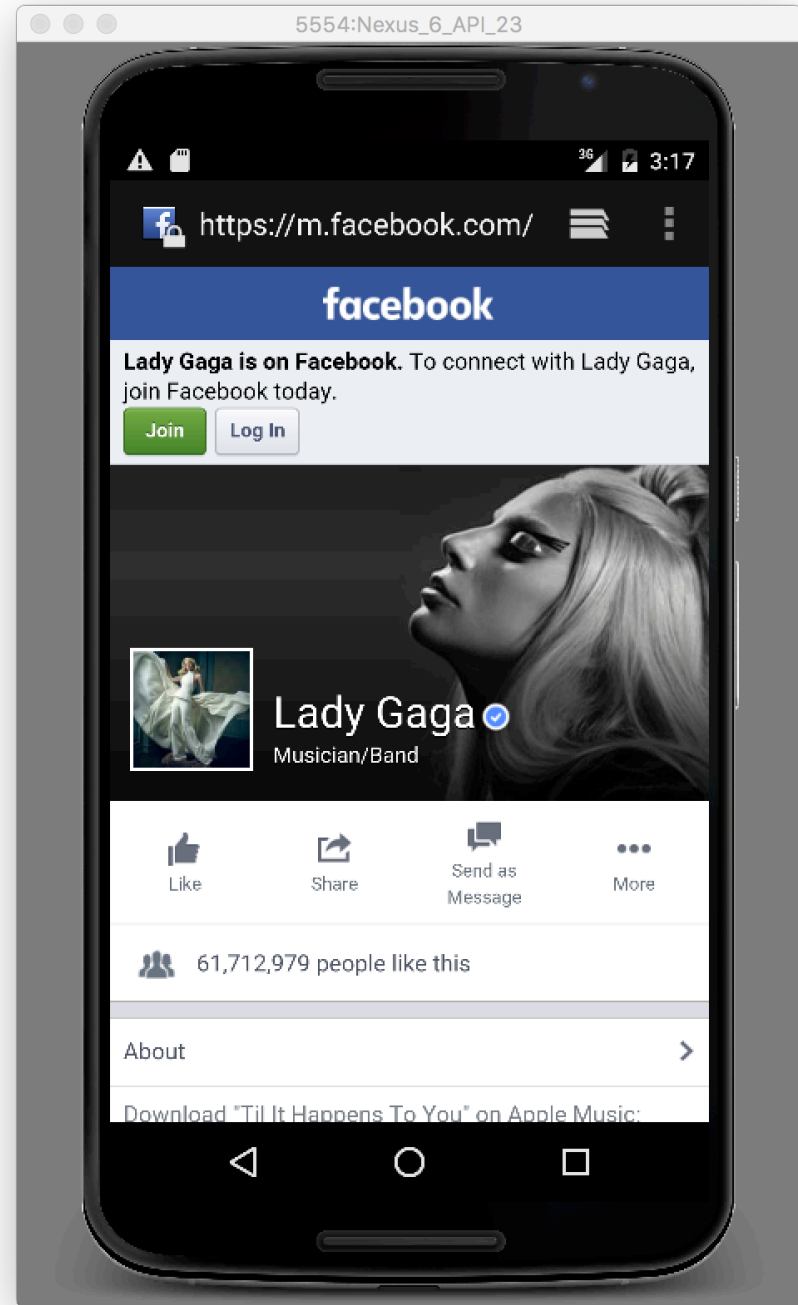
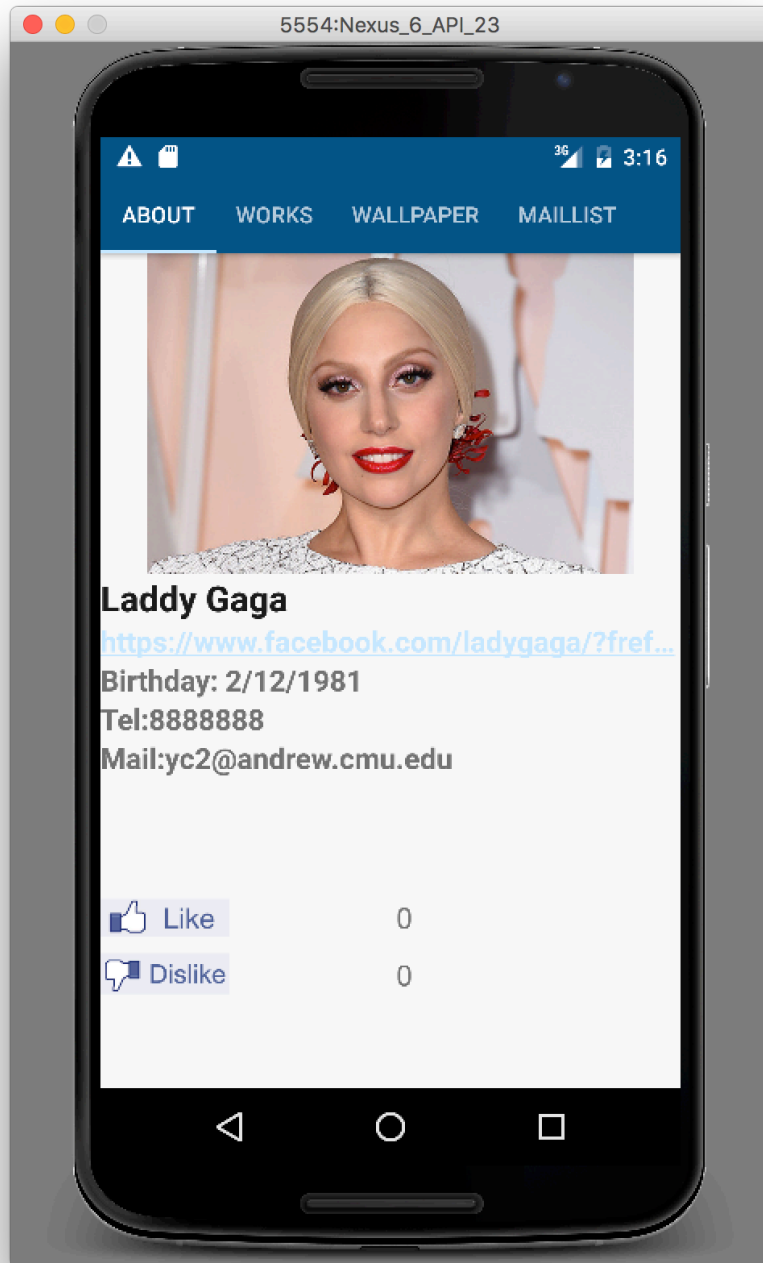
AboutFragment: describe the main page

MailingListFragment: describe the mail fragment

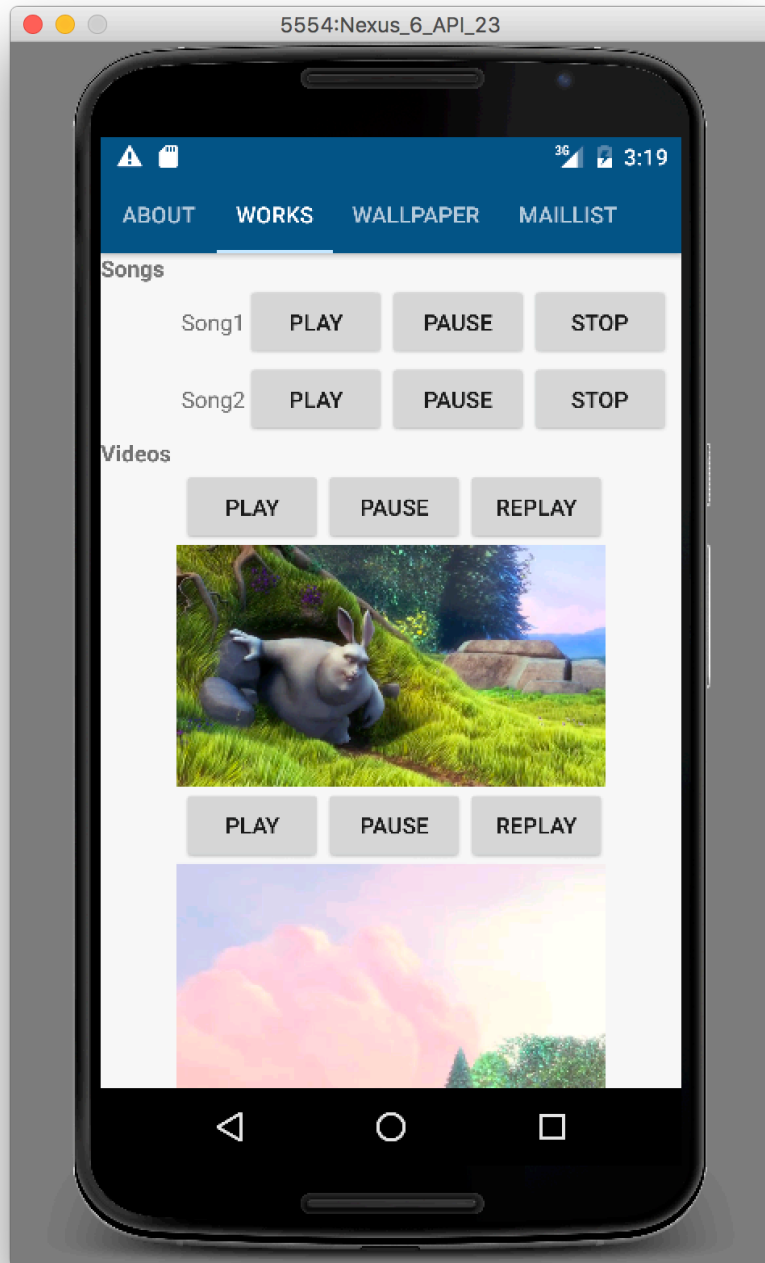
WorkCollectionsFragment: describe the work collections fragment

WallPaperFragment : describe wallpaper fragment

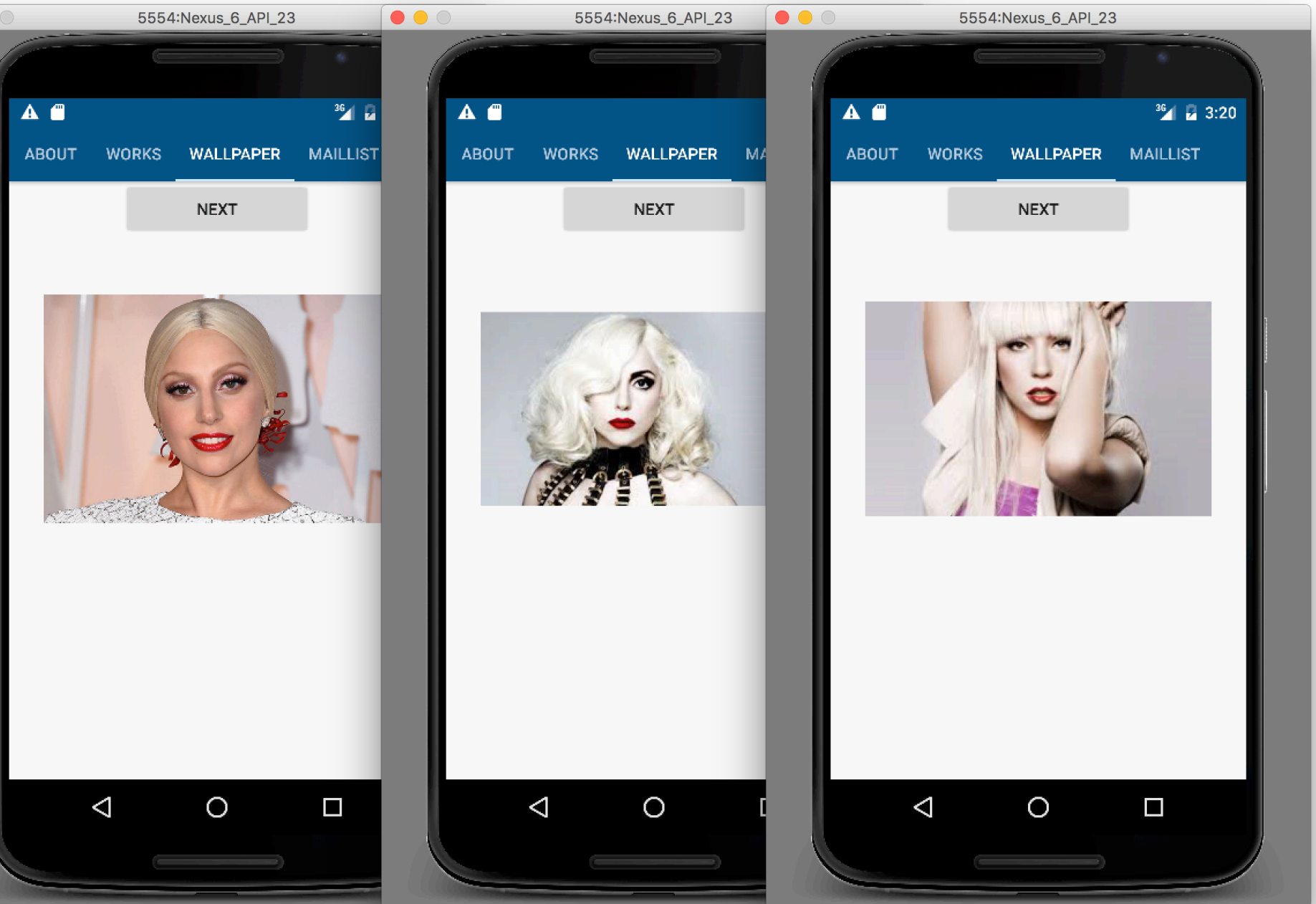
The main page and the social link is clickable



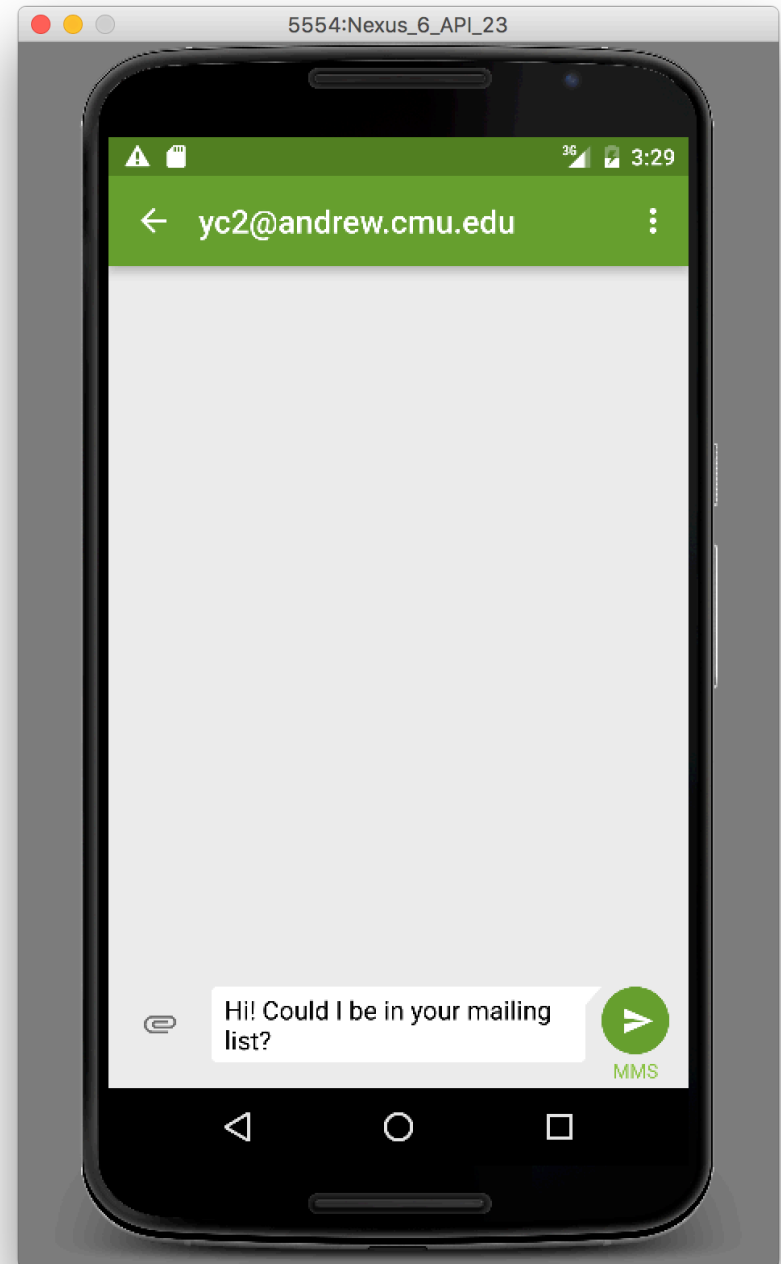
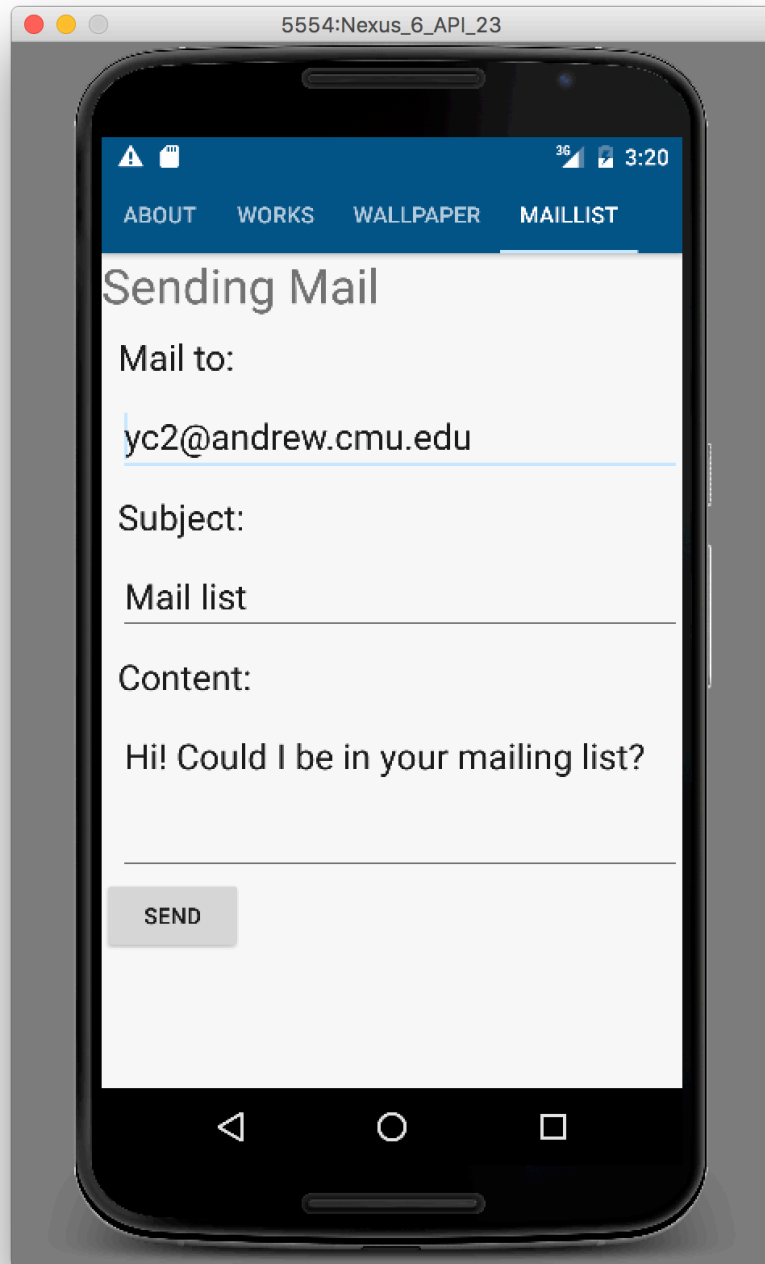
The “works” could play songs and viedos



The “wallpaper” could display images and when click next would switch to the next image



The “mail” could send mail to others



Exception Handling

The exceptions are recorded in log.txt

▼  org.me.artistprofile	2016-03-30 16:36 drwxr-x--x
▶  cache	2016-03-25 00:37 drwxrwx--x
▶  code_cache	2016-03-25 00:37 drwxrwx--x
▼  files	2016-03-30 16:36 drwxrwx--x
 log.txt	28 2016-03-30 16:36 -rw-rw----

