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This is developed by latest Android Studio. Please use it to load it.

Write an Android Application to keep records and perform statistical analysis for a class of students. The class may have up to 40 students. There are five quizzes during the term. Each student is identified by a four-digit student ID number.

[illegible]

1. User input data and click add
2. If input is invalid, a Toast message will pop out and no data is added
3. If data is added, the data is add to ArrayList and the statistical result will update automatically. As below:

ID	Q1	Q2	Q3	Q4	Q5	
1234	1	1	2	2	2	
3435	1	1	2	3	4	

High Scores:	1	1	2	3	4
Low Scores:	1	1	2	2	2
Average:	1.0	1.0	2.0	2.5	3.0

4. Also, the data will insert to database and show in the log. Please note we do not clear table after program terminate. As a result, all data will keep in the database. However, the DBUtil class has implement dropTables() method. We can call it in the future
5. See log example

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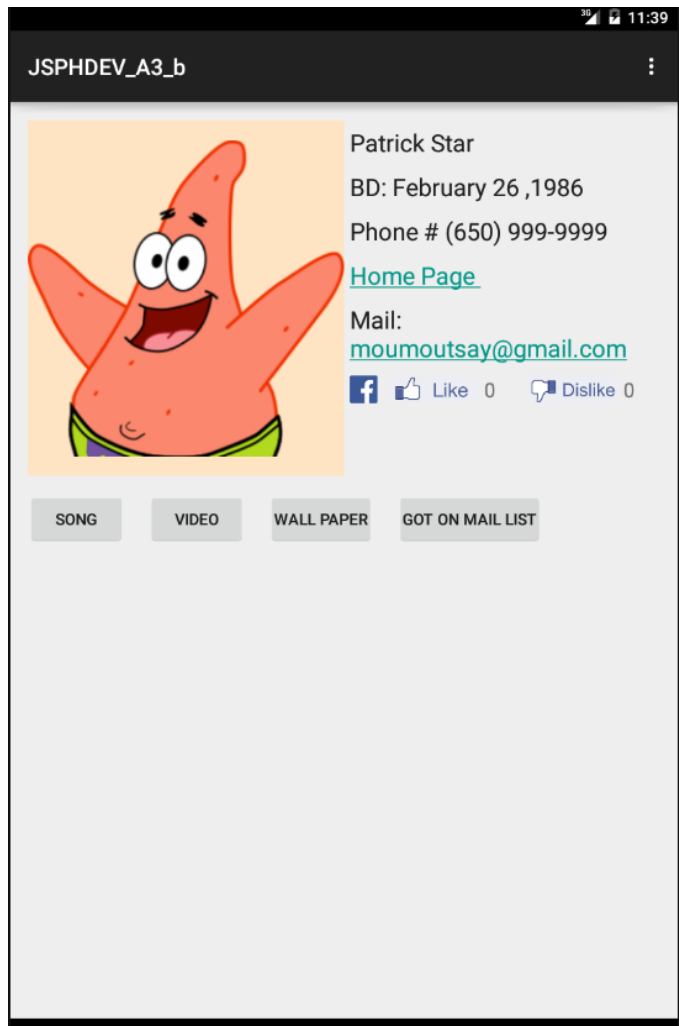
04-07 23:32:32.445: D/MainFragment(2692): After update, all the student is:
04-07 23:32:32.445: D/MainFragment(2692): SID: 1234
04-07 23:32:32.445: D/MainFragment(2692): SID: 3435
04-07 23:32:32.450: D/DBUtil(2692): addExamRecord done
04-07 23:32:32.450: D/MainFragment(2692): After update, all the scores is:
04-07 23:32:32.450: D/MainFragment(2692): SID: 1234 Q1: 1 Q2: 1 Q3: 2 Q4: 2 Q5: 2
04-07 23:32:32.450: D/MainFragment(2692): SID: 3435 Q1: 1 Q2: 1 Q3: 2 Q4: 3 Q5: 4

```

Part B

Create an (proof of concept) application that can be used for marketing a vocal artist. You can hard code the data for an artist. Your implementation should use assets placed locally on a device (This means that the apk file will include all assets and should not exceed 10 to 20 mb in size).

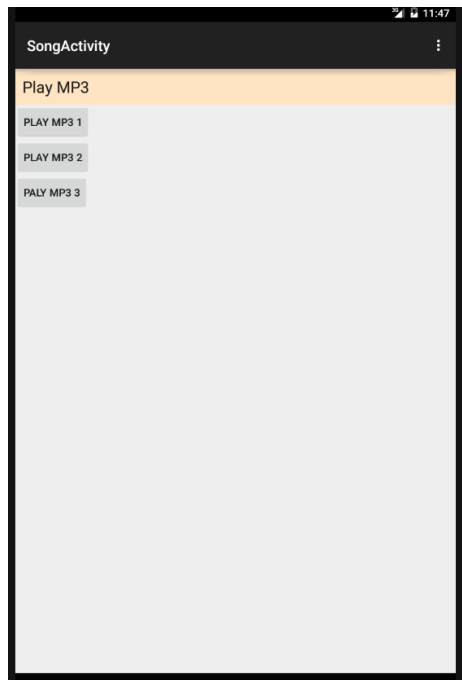
Main UI:



Functionality:

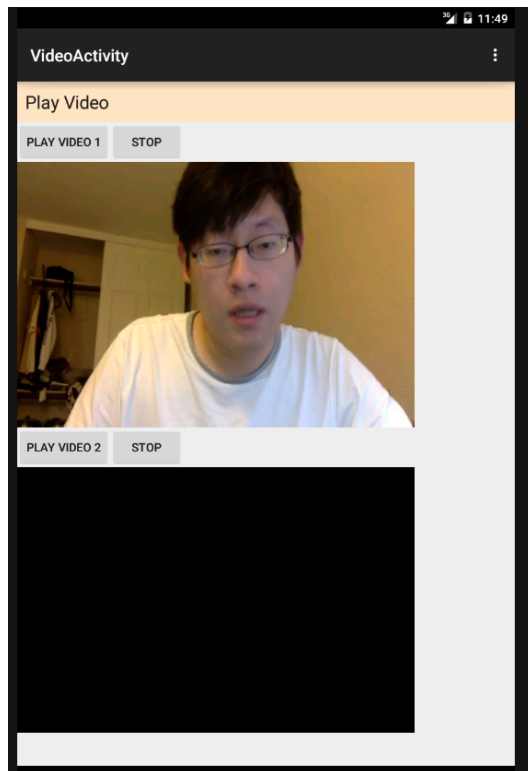
1. Click homepage to redirect to homepage
2. Click mail hyperlink to send mail
3. Click FB icon to redirect to FB
4. Click "Like" icon to increase like count
5. Click "Dislike" icon to increase dislike count
6. Click "SONG" "VIDEO" "WALL PAPER" and "GET ON MAIL LIST" to differentent activity

Song Activity



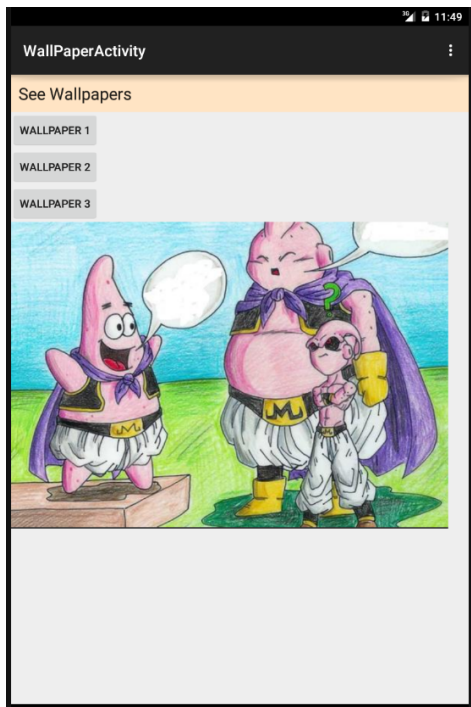
There are three button, each one to play a MP3. Does not implement stop function to simplify the design.

Video Activity



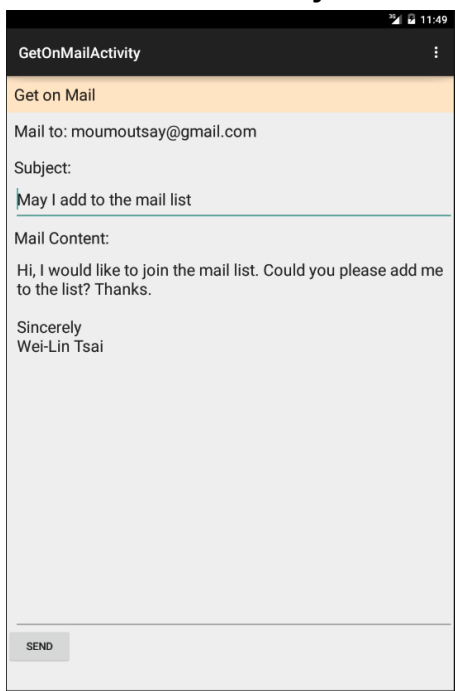
Click “Play” to start a video and click “Stop” to stop the video. Does not implement pause function to simplify the design. Please note two video can play simultaneously.

Wallpaper Activity



Initially, no picture is shown. User can click each button to show the wallpaper.

Got on Mail list activity



After clicking “SEND”, it will evoke mail program to send a mail.

Reference

There are some pictures from the Internet.

app/src/main/res/drawable/facebook_icon.png

<https://cdn1.iconfinder.com/data/icons/logotypes/32/square-facebook-128.png>

app/src/main/res/drawable/patrick_star.png

http://upload.wikimedia.org/wikipedia/en/7/7e/Patrick_Star.png

app/src/main/res/drawable/dislike.png

app/src/main/res/drawable/like.png

http://www.techebizz.com/wp-content/uploads/2014/12/like_dislike1.png

app/src/main/res/drawable/wp1.png

app/src/main/res/drawable/wp2.png

app/src/main/res/drawable/wp3.png

<http://hdw.eweb4.com/search/patrick+sta>