SDA 2018-2019 Matthew Fader

Assignment 2 – Nov 12, 2018

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## Lab 1

### Building a Simple UI:

Your video is now ready at <https://youtu.be/FRv4eE_gQSk> = Lab 1

A screenshot of a computer screen

Description generated with very high confidenceHere you can see the activity\_main.xml UI design page in android studio.

A flat screen television

Description generated with very high confidence

Here you can see the app runs on my tablet, the editText field is populated with use of the system keyboard as expected. By clicking on the send button, the next activity is launched, and message is displayed as shown below.

## Lab 2

### Start another Activity

Your video is now ready at <https://youtu.be/oPCzgrNw23c>

Here you can see the activity\_display\_message.xml UI design page in android studio with my own few changes.

A screen shot of a computer

Description generated with very high confidence

Below you can see the text has been successfully passed from the first activity to the second and then displayed in the textView field.

A flat screen television

Description generated with very high confidence

## debug logs

most issues that occurred were syntax errors, or complier errors. The android developer site was very easy to understand in order to complete these labs with very little trouble

here is a sample of Log.i code within the DisplayMessageActivity.java file.

// Get the Intent that started this activity and extract the string  
Intent intent = getIntent();  
Log.*i*(*TAG*, "this is where we define our intent from the other activity ");  
String message = intent.getStringExtra(MainActivity.*EXTRA\_MESSAGE*);  
Log.*i*(*TAG*, "we take EXTRA\_MESSAGE and store it into message var on this side");  
  
// Capture the layout's TextView and set the string as its text  
TextView textView = findViewById(R.id.*textView2*);  
Log.*i*(*TAG*, "this is where we assign the textView2 attribute");  
textView.setText(message);  
Log.*i*(*TAG*, "this is where pass the string text to the textView");

Here we see more Log.i code with the MainActivitiy.java file below.

*/\*\* Called when the user taps the Send button \*/*public void sendMessage(View view) {  
 Intent intent = new Intent(this, DisplayMessageActivity.class);  
 EditText editText = findViewById(R.id.*editText*);  
 String TAG = null;  
 Log.*i*(TAG, "this is where we assign the label to the variable of the same name");  
 String message = editText.getText().toString();  
 Log.*i*(TAG, "this is where we get the text from the editText field and store it in a var ");  
 intent.putExtra(*EXTRA\_MESSAGE*, message);  
 Log.*i*(TAG, "this is where the message is passed to the intent");  
 startActivity(intent);  
 Log.*i*(TAG, "this is where the intent is passed to the DisplayMessageActivity");

LOGCAT window durring displayMessageActivity.java

A screenshot of a computer screen

Description generated with very high confidence

# sources

<https://developer.android.com/guide/components/intents-common#GetFile>

<http://smartandroidians.blogspot.com/2011/11/open-gallery-and-get-selected-image-in_16.html?m=1>

<https://developer.android.com/guide/components/intents-common#CameraStill>

<https://developer.android.com/training/basics/firstapp/starting-activity#java>

<https://developer.android.com/reference/android/app/Activity.html#onActivityResult(int,%20int,%20android.content.Intent)>

<https://stackoverflow.com/questions/920306/sending-data-back-to-the-main-activity-in-android>

<https://stackoverflow.com/questions/8452526/android-can-i-use-putextra-to-pass-multiple-values>

<https://stackoverflow.com/questions/44202530/error-unknown-failure-at-android-os-binder-exectransactbinder-java565-error/46102740>

<https://www.youtube.com/watch?v=AD5qt7xoUU8>

<https://www.youtube.com/watch?v=XV27kPIXx9o>

<https://www.youtube.com/watch?v=LnDu_i7KD3Q&feature=youtu.be>

<https://www.google.ie/search?q=hex+color+picker&ie=&oe>=

<https://developer.android.com/studio/debug/am-logcat>

<https://coderwall.com/p/adv71w/basic-vim-commands-for-getting-started>

<https://www.solvusoft.com/en/mime-multipurpose-internet-mail-extensions/message/message-rfc822/>

back button! <https://www.youtube.com/watch?v=s3pheMAmaPI>

Email Client send code : https://www.youtube.com/watch?v=tZ2YEw6SoBU

SDA intents video <https://www.youtube.com/watch?v=LnDu_i7KD3Q&feature=youtu.be>

Returning data from an activity <https://www.youtube.com/watch?v=XV27kPIXx9o>