CSC 4360 / CSC 6360	
csc 4300 / csc 0300	
Adding functionality to your application using Intents	
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What's an Intent??	
 Formally, an Intent "provides a facility for 	
performing late runtime binding between the code in different applications. Its most	
significant use is in the launching of activities, where it can be thought of as the glue	
between activities. It is basically a passive data structure holding an abstract description of an	
action to be performed."	
Definition courtesy of: http://developer.android.com/reference/android/content/Intent.html	
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Add a second activity/screen	
Open your DBAccess project	
 Make sure that it works, if you haven't already! Add a new Activity to create a new screen 	
Add a new Activity to create a new screen	

So how do I make different screens?

• Choose Android context from the dropdown, then Choose app > New > Activity



New Blank Activity

- Call your new activity, "FirstQuery"
- Add a textView to the screen, and a button.
- · Name the textView something like "queryResults2" and give its text a value like "queryResults for First Query"
- Name the button something like "goBackButton" and give its text a value like "Go Back to Main Screen"

FirstQuery Activity

• Something like this:



Android Manifest

• Check that the new activity was automatically added to your android manifest:





FirstQuery Activity Java File

- Add the lines that we added to DBActivity.java, to FirstQuery.java
- Modify to use the textView from activity_first_query.xml
- Change the onCreate to immediately pull the data, versus waiting for a button click

getData = (TextView) findViewById(R.id.queryResults2);
new getDataFromDatabase().execute();

FirstQuery Activity Java File

- Change the query in doInBackground to a different table
 - EXAMPLE:

String queryString =

"select * from csc360_class.actor limit 10";

On the activity_db xml file

- Add a new button to the activity_db xml file underneath the "Gimme Data" button
- Call it "firstQueryButton" (id) and give it the text "Actor Query"

DBActivity Java file

 Now, go find the button in your DBActivity java file, just like we have previously, and configure its activity to be FirstQuery.class

 $Button\ firstQueryButton = (Button)\ findViewByld(R.id.\textit{firstQueryButton}); \\ firstQueryButton.setOnClickListener(new\ View.OnClickListener()$

@Override

public void onClick(View v){

startActivity(new Intent(getApplicationContext(), FirstQuery.class));

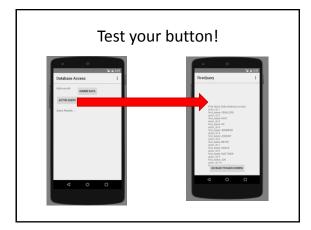
}//end getDataFromDatabase

}//end OnClickListener

);//end firstQueryButton.setOnClickListener

Find the old button and add the new onClick information underneath ...





Troubleshooting

- Make sure that every reference in FirstQuery.java refers to something related to the FirstQuery activity...
 - For example, make sure that activity_db is replaced by activity_first_query....

More reading about Intent

http://developer.android.com/reference/android/content/Intent.html

Want	to	see	it	all	again?
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 Adding a second activity in Android Studio (courtesy of Prof. Scott Vanselow)

https://www.youtube.com/watch?v=KhSM CRC LRo