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21. Animation

Delete animation with scale on view: _ Lots of animation: _

<https://github.com/wasabeef/recyclerview-animators>

<https://github.com/Trinea/android-open-project/tree/master/English%20Version>

How to run animation on an item of toolbar or action view: _

<http://stackoverflow.com/questions/9731602/animated-icon-for-actionitem>

<http://stackoverflow.com/questions/30787373/android-how-to-make-transition-animations-on-toolbars-menu-icons/30787535#30787535>

Mon, 20 Mar 2017 11:59:52 +0530

Everything is working fine. Delete animation on an item that has been selected and at the same time on delete icon of toolbar.

Now, we just need to modify zoomUp y position of an item that has been selected to get delete over delete icon of toolbar.

Done by Mon, 20 Mar 2017 13:07:53 +0530

8. Moving one view over another with animation

<http://stackoverflow.com/questions/27250568/android-animation-move-view-to-another-view>

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9. Music type animation on HoverView and back view will be blur that shows loading, refreshing list after delete operation... After which it will redirect the user to the updated fragment through transaction or something like that which will give clean view.

Help: _

Tue, 21 Mar 2017 10:07:05 +0530

Working on 888: _

22. JSON

JSON Posting example links: _

<http://hmkcode.com/android-send-json-data-to-server/>

http://programmerguru.com/verify-user/?tutorial=Android&download_file=CheckLoginActivity

<http://osamashabrez.com/client-server-communication-android-json/>

Android best practice links for pdfs

Just google: _ android best practices pdf, code reusability in android

If it is used only once and inside method only, better to use local variable?

23. Material edit text

Tags: edit text material design floating text

Material design edit text, textWatcher, textInputLayout and all...

<http://www.androidhive.info/2015/09/android-material-design-floating-labels-for-edittext/>

24. Retrofit

Retrofit: _ Handles request and response automatically.

<https://guides.codepath.com/android/Consuming-APIs-with-Retrofit>

<http://www.androidhive.info/2016/05/android-working-with-retrofit-http-library/>

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25. JSON

How to use, define, handle user, model, raw, bean class with Gson

<https://guides.codepath.com/android/Leveraging-the-Gson-Library>

Tags: _ json post get android network server data communication interchange exchange

26. Json to Pojo

<http://www.jsonschema2pojo.org/>

Allowing user email address at the same time, number restriction.

Tags: _ edit text, multiple input types, email, number, password

<http://stackoverflow.com/questions/3544214/edittext-with-number-keypad-by-default-but-allowing-alphabetic-characters>
Custom Font

<http://stackoverflow.com/questions/27588965/how-to-use-custom-font-in-android-studio>

27. Country code: Telephony manager

Tags: country code, sim network country code

Note: There is better way than one given below. One way is getting country code by fall through in various conditions on priority base like sim, gps and available internet connection etc...

Local Country code without GPS (sim network country code)

<http://stackoverflow.com/questions/5402253/getting-telephone-country-code-with-android>
<http://stackoverflow.com/questions/20926236/how-to-get-mobile-country-code-like-91-for-india>
<https://developer.android.com/reference/java/util/Locale.html>
<http://stackoverflow.com/questions/6435562/how-to-get-iso-country-code-in-android-applications>

27.1. Without GPS

Name of the country without GPS

<http://stackoverflow.com/questions/11293642/how-can-i-get-my-android-device-country-code-without-using-gps>

Json Connection refused: _ Might be the problem of network connectivity or proxy!

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Network Error or Response error: _

<http://stackoverflow.com/questions/16439587/android-os-networkonmainthreadexception-with-android-4-2>

<http://stackoverflow.com/questions/23840331/how-to-resolve-android-os-networkonmainthreadexception>

Network related operations must be done inside AsyncTask or we must declare Strict thread policy.

28. Spinner

Simple spinner

<https://www.androidhive.info/2012/04/android-spinner-dropdown-example/>

Custom spinner

<http://abhiandroid.com/ui/custom-spinner-examples.html>

<https://stackoverflow.com/questions/35983176/how-to-create-spinner-list-using-customadapter-in-android>

Tags: custom spinner customization customisation

Problem: _ Conjoined, messy, less space among items and lists in spinner

Spinner uneven or less space among item and the spinner itself even after having same layout among all except the first one that is the only which seems ok.

Fix: _ Create custom layout and set it at adapter as item list as well as drop down list.

Also check that you have properly set the right DropDownViewResource on right arrayAdapter in case of when you have multiple spinners.

Check which layout and text view you are returning, using in case of custom adapter.

Hint: _ Click on default layout and get some inspiration. Add lineSpaceExtra, padding and margin attributes.

28.1. Default text in spinner

Set default text on spinner: _

<http://stackoverflow.com/questions/867518/how-to-make-an-android-spinner-with-initial-text-select-one>

Set default back, up, home as up enable arrow on toolbar for both activity and fragment : _

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<http://stackoverflow.com/questions/26651602/display-back-arrow-on-toolbar-android>

In case NullPointerException warning: _

<http://stackoverflow.com/questions/29786011/how-to-fix-getactionbar-method-may-produce-java-lang-nullpointerexception>

getSupportActionBar call Inside Fragment : _

<http://stackoverflow.com/questions/25037356/getsupportactionbar-not-available-in-fragment-workaround-leads-to-nullpointer>

Image over toolbar: _ (Had to remove toolbar from activity and set it separately to all fragments)

<http://stackoverflow.com/questions/29892843/android-transparent-toolbar-over-an-imageview>

Navigation drawer on fragment

<https://www.simplifiedcoding.net/android-navigation-drawer-example-using-fragments/>

<http://guides.codepath.com/android/fragment-navigation-drawer>

<http://chrisrisner.com/Using-Fragments-with-the-Navigation-Drawer-Activity>

<http://www.androidhive.info/2013/11/android-sliding-menu-using-navigation-drawer/>

29. Toolbar

Tags: toolbar, statusbar, transparent, translucent, windowTranslucentStatus, fitSystemWindow

Problem/error/bug/question: _

Toolbar goes below status bar! As a result, some of the content of toolbar and status bar mixed up together and looks messy!

The issue: _

When I set windowTranslucentStatus to true. The contents in the view move up to be under the status bar, but the contents of the CollapsingToolbarLayout moves up twice the height of the status bar(CollapsingToolbarLayout retains correct height).

Tags : _ toolbar, statusbar, transparent, translucent, windowTranslucentStatus

Solution:_

<http://stackoverflow.com/questions/30882429/using-windowtranslucentstatus-with-collapsingtoolbarlayout>

<https://guides.codepath.com/android/Using-the-App-Toolbar>

Hint: _ Theme, WindowTranslucentStatus, fitSystemWindow.

29.1. Change default home as up enable back icon of toolbar

Tags: change default icon back arrow home as up enable of toolbar

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To change the default icon of toolbar's homeAsUpEnabled (back) arrow, surprisingly, make it false!

<http://stackoverflow.com/questions/28620883/how-to-change-toolbar-home-icon-color>

And then, you can place your custom icon as below: _

<http://stackoverflow.com/questions/28620883/how-to-change-toolbar-home-icon-color>

```
final Drawable upArrow = getResources().getDrawable(R.drawable.abc_ic_ab_back_mtrl_am_alpha);
upArrow.setColorFilter(Color.parseColor("#FFFFFF"), PorterDuff.Mode.SRC_ATOP);
getSupportActionBar().setHomeAsUpIndicator(upArrow);
```

OR

<http://stackoverflow.com/questions/26778278/how-to-change-homeasup-indicator-in-new-appcompat-toolbar>

```
toolbar.setNavigationIcon(R.drawable.home);
```

29.2. Toolbar title in center

Set toolbar title in center

<http://stackoverflow.com/questions/26533510/android-toolbar-center-title-and-custom-font>

30. Title in center

Tags: application activity title in center instead of left

Set activity title in center

<http://stackoverflow.com/questions/18418635/how-to-align-title-at-center-of-actionbar-in-default-themetheme-holo-light>

31. Remove title

Tags: Remove application activity title label

Remove activity title label

<http://stackoverflow.com/questions/2591036/how-to-hide-the-title-bar-for-an-activity-in-xml-with-existing-custom-theme>

```
//Remove title bar
this.requestWindowFeature(Window.FEATURE_NO_TITLE);
```

```
//Remove notification bar
this.getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,
WindowManager.LayoutParams.FLAG_FULLSCREEN);
```

```
//set content view AFTER ABOVE sequence (to avoid crash)
this setContentView(R.layout.your_layout_name_here);
```

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32. Full screen activity

Full screen activity that hides system status bar / notification bar

```
Before setContentView:  
  
requestWindowFeature(Window.FEATURE_NO_TITLE);  
getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,  
    WindowManager.LayoutParams.FLAG_FULLSCREEN);
```

<http://stackoverflow.com/questions/2868047/fullscreen-activity-in-android>

33. Custom navigation drawer icon without toolbar

Custom navigation drawer icon without toolbar to open navigation drawer view

<http://stackoverflow.com/questions/31238396/change-actionbardrawertoggle-icon-android-in-toolbar>

34. Animation for navigation drawer icon

Hamburger navigation drawer icon to arrow icon and reverse, vice versa android animation

<http://stackoverflow.com/questions/33124555/is-it-possible-to-use-the-hamburger-icon-animation-from-android-in-another-but>

35. Spinner

35.1. Stop auto initialization of spinner

Stop onItemSelected method of spinner being initialized every time automatically with onCreate

Tags: _ spinner, automatic, call, initialization, initialized

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```
Spinner s = (Spinner)Util.findViewById(view, R.id.sound, R.id.spinner);
s.setAdapter(adapter);
s.setSelection(position, false);
s.setOnItemSelectedListener(listener);
```

In 8888 demo project: _ (LogIn fragment)

```
if (session.isRTL()) {
    localization.setSelection(1, false);
} else {
    localization.setSelection(0, false); // Our default selection. It may be
    //set to Adapter.NO_SELECTION or -1 for prompt text! ("select local").
}
```

awesome answer...hence upvote, but you should update it to add information that **'position' will be explicitly already selected item's position in list**. It took 5 minutes for myself also to understand what position should be. – [Shirish Herwade Feb 5 '15 at 16:34](#)

Easiest fix that i have found. But keep in mind that for any strange reason it won't work if -1 is assigned for position. **Use Adapter.NO_SELECTION for default value.** – [incognito Aug 27 '16 at 19:47](#)

This does not work with databinding an adapter. It still fires the click listener even if I attached it after setting the selection. If I set the selection without attaching the onItemSelectedListener, nothing fires (as expected).– [CACuzcatlan Mar 28 at 18:23](#)

<http://stackoverflow.com/questions/2562248/how-to-keep-onitemselected-from-firing-off-on-a-newly-instantiated-spinner?noredirect=1&lq=1>

<http://stackoverflow.com/questions/5624825/spinner-onitemselected-executes-when-it-is-not-suppose-to/5918177#5918177>

<http://stackoverflow.com/questions/21747917/undesired-onitemselected-calls/21751327#21751327>

36. Post Runnable

Thread, Handler, Message, UI, Worker thread, Main thread, Runnable, Post Runnable info

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<http://stackoverflow.com/questions/13840007/what-exactly-does-the-post-method-do>

37. Spinner

37.1. Default text in spinner

Custom spinner adapter to show custom prompt such as select local that is not the part of spinner items

<http://stackoverflow.com/questions/867518/how-to-make-an-android-spinner-with-initial-text-select-one>

However, what worked for me is: _

<http://stackoverflow.com/questions/20451499/android-spinner-set-default-text>

Full explanation of the same: _

http://androidexample.com/Custom_Spinner_With_Image_And_Text_-_Android_Example/index.php?view=article_discription&aid=84

38. Progress Dialog

Android progress dialog

<https://examples.javacodegeeks.com/android/core/ui/progressdialog/android-progressdialog-example/>

Activity must be defined inside onCreateView and not onAttach method of fragment or else it can give null pointer exception.

Connection refused: _ May be due to down server or low internet speed. Connectivity issue. Keep trying.

39. Screen orientation

Tags: screen orientation rotation landscape to portrait and vice versa configuration change

How to use onSaveInstanceState for activity to manage screen orientation

<http://stackoverflow.com/questions/16769654/how-to-use-onsaveinstancestate-and-onrestoreinstancestate>

How to use onSaveInstanceState for fragments.

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<http://stackoverflow.com/questions/15608709/using-onsaveinstancestate-with-fragments-in-backstack>

Understand saveInstanceState for activity and fragment

Own experience: _ It is best practice to initialize each variable, string that can be and give everything that we want as it is to saveInstanceState. (Ref.: _ null pointer exception while trying to call string from activity resource. Better to put it in saveInstanceState).

<https://inthecheesefactory.com/blog/fragment-state-saving-best-practices/en>

Straight forward usage of onSaveInstanceState for fragment: _

<http://www.codexpedia.com/android/store-and-retrieve-fragment-state-data-in-android/>

Overriding the method onSaveInstanceState and putting data in key value pair that we want to keep as it is after screen rotation.

In onCreateView, simply if saveInstanceState is not equal to null, we get data from saveInstanceState. It is same as we give and take data from bundle in key value pair.

If you find fragment not attached error, then make sure that you have attached fragment in your activity and in fragment, your code to restore instance is in onActivityCreated.

Due to screen rotation activity just gets destroyed and re-created and hence, all of its fragments! So, if we want to restore fragment state, we need to save that fragment in activity. That is, we attach fragment state.

OR simply: _

<http://stackoverflow.com/questions/13305861/fool-proof-way-to-handle-fragment-on-orientation-change>

Note that getArguments getIntent getExtras calls on loginFragment.

NullPointerException in onSaveInstanceState of activity while trying to put fragment gives error:_

Attempt to read from field 'int android.app.Fragment.mIndex' on a null object reference

Fix: _

First define (initialize) fragment that we want to save in onSaveInstanceState

Then use in onSaveInstanceState

Below is how we save fragment in activity's onSaveInstanceState.

Error: _ fragment is not currently in the fragmentmanager onSaveInstanceState

Activity, with the help of fragment manager, restores last saved fragments only.

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<http://stackoverflow.com/questions/12402562/issue-with-getsupportfragmentmanager-putfragment>

You may need to first add that fragment in fragment manager

OR: _

It can give you an error like: _

Error: _ Cannot perform this action after onSaveInstanceState

Because, fragment transaction cannot be done inside onSaveInstanceState!

Hence, we cannot give commit statement there!

The accident is known as Activity state loss!

Fix: _

<http://www.androiddesignpatterns.com/2013/08/fragment-transaction-commit-state-loss.html>

Add your fragment and commit inside onPostResume method of activity.

https://newcircle.com/s/post/1250/android_fragments_tutorial

Understand fragment lifecycle with activity orientation configuration change (aka screen rotation)

<http://stackoverflow.com/questions/8474104/android-fragment-lifecycle-over-orientation-changes>

<http://stackoverflow.com/questions/12640316/further-understanding-setretaininstancetrue>

<http://emuneee.com/blog/2013/01/07/saving-fragment-states/>

Little bit more detail: _

<https://www.intertech.com/Blog/saving-and-retrieving-android-instance-state-part-2/>

setRetainInstance?

<http://www.androiddesignpatterns.com/2013/04/retaining-objects-across-config-changes.html>

<http://stackoverflow.com/questions/35941585/avoiding-manually-handling-configuration-changes>

<http://bcorso.github.io/android-retain-fragment/>

Demo for setRetainInstance: _

<https://github.com/alexjlockwood/adp-worker-fragments>

<https://developer.android.com/guide/topics/resources/runtime-changes>

40. Thread result to main activity

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Main activity to thread and thread result to main activity without recreating the activity?!

Handler, Message, Looper, IntentService (not intent), onActivityResult may help : _

<http://stackoverflow.com/questions/16609956/how-to-send-data-from-thread-to-main-activity-java-android>
<http://stackoverflow.com/questions/23692856/pass-value-from-thread-to-main-activity>

Blogs and demos

<http://techtej.blogspot.in/2011/02/android-passing-data-between-main.html>
<http://sohailaziz05.blogspot.in/2012/05/intentservice-providing-data-back-to.html>
<http://www.survivingwithandroid.com/2014/03/consume-webservice-in-android-intentservice.html>
<http://codetheory.in/android-background-services-with-intentservice/>
<http://stacktips.com/tutorials/android/creating-a-background-service-in-android>

Intent service with BroadcastIntent, BroadcastReceiver

<https://code.tutsplus.com/tutorials/android-fundamentals-intentservice-basics--mobile-6183>
<https://www.101apps.co.za/articles/using-an-intentservice-to-do-background-work.html>

41. Android service

About android service

<http://www.vogella.com/tutorials/AndroidServices/article.html>

Error:Could not determine the class-path for interface com.android.builder.model.AndroidProject.

<http://stackoverflow.com/questions/42777321/could-not-determine-the-class-path-for-interface-com-android-builder-model-andro>

42. Android service Vs AsyncTask

Difference between IntentService and AsyncTask. What to use and when to use?

<https://android.jlelse.eu/using-intentservice-vs-async-task-in-android-2fec1b853ff4>

Conclusion:_ Depends otherwise use Async.

PublishProgress is the method that publishes the result to the main thread from Async thread.

So, publishProgress is the method we need to use to deliver result to the main thread (aka calling thread, UI thread).

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<http://www.journaldev.com/9708/android-async-task-example-tutorial>
<https://androidresearch.wordpress.com/2012/03/17/understanding-async-task-once-and-forever/>
<https://eliasbland.wordpress.com/2011/03/11/an-example-of-how-to-run-a-background-task-and-report-progress-in-the-status-bar-using-async-task-on-android/>

Get result back to main thread from async

By .get() or using onPostExecute();

<http://stackoverflow.com/questions/14722978/how-to-return-data-from-async-task-to-main-thread>
<http://stackoverflow.com/questions/34040700/sending-a-signal-from-async-task-with-result>

43. Interface as callback to get result

By Interface

Best approach i could find easier

<http://stackoverflow.com/questions/12575068/how-to-get-the-result-of-onPostExecute-to-main-activity-because-async-task-is-a>
<http://stackoverflow.com/questions/28854875/java-async-task-passing-variable-to-main-thread>
<http://stackoverflow.com/questions/9963691/android-async-task-sending-callbacks-to-ui>

Understand:

<https://guides.codepath.com/android/Creating-Custom-Listeners>

In built methods of Async

<http://stackoverflow.com/questions/20943837/passing-string-from-doinbackground-of-async-task-to-main-thread>

44. Local Broadcast Receiver

Using local broadcast receiver

<http://wiki.workassis.com/android-local-broadcast-receiver/>

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45. Android Parcelable

Android parcelable

<http://www.survivingwithandroid.com/2015/05/android-parcelable-tutorial-list-class-2.html>

Custom service class that extends IntentService when declaring in manifest shows error saying has no default constructor

<http://stackoverflow.com/questions/11859403/no-empty-constructor-when-create-a-service>

Custom fonts throughout application

Make static class and use it.

<http://stackoverflow.com/questions/33450325/how-to-use-custom-fonts-in-drawerlayout-and-navigationview>

46. Get View

Get View for/of/in Main/Current Activity/Fragment?

```
(ViewGroup)this.findViewById(android.R.id.content)
```

For more : _

<https://coderwall.com/p/qxxmaa/android-use-a-custom-font-everywhere>

<http://stackoverflow.com/questions/4486034/get-root-view-from-current-activity>

More reference: _

<http://stackoverflow.com/questions/36472953/how-to-set-custom-font-in-xml-file-instead-of-java-file>

<https://plus.google.com/+LisaWrayZeitouni/posts/LTr5tX5M9mb>

<https://github.com/lisawray/fontbinding>

For that, we need to use DataBinding concept which can be learned from below: _

<https://developer.android.com/topic/libraries/data-binding/index.html>

Use third party library such as calligraphy

<https://github.com/chrisjenx/Calligraphy>

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47. How to use/add .aar module dependency

How to use, handle, manage, integrate, add .aar module dependency.

<http://stackoverflow.com/questions/16682847/how-to-manually-include-external-aar-package-using-new-gradle-android-build-syst>

Check second answer there for graphical presentation.

More reference: _

<https://coderwall.com/p/qxxmaa/android-use-a-custom-font-everywhere>

<http://codesfor.in/change-font-of-entire-application-in-android/>

<http://stackoverflow.com/questions/2711858/is-it-possible-to-set-a-custom-font-for-entire-of-application>

Change font style of spinner item. Tags: _ custom fonts, style for spinner, spinner items

Do it inside adapter where it takes textview to use. Also, can be done in xml file.

Change font for menu item.

<http://stackoverflow.com/questions/21942533/how-to-change-custom-font-of-android-menu-item>

What worked for me? Copy and paste below answer!

48. Custom font for navigation drawer

Change font for navigation drawer items.

<http://stackoverflow.com/questions/30668346/how-to-set-custom-typeface-to-items-in-navigationview>

Error: _This class implements Parcelable but does not provide a CREATOR field

Fix: _

<http://stackoverflow.com/questions/20762328/android-how-can-i-make-a-class-that-implements-parcelable-which-contains-an-arr>

Get Header layout (View) from navigation view.

<http://stackoverflow.com/questions/33194594/navigationview-get-find-header-layout>

Try: _

Play more with view

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<http://www.technotalkative.com/part-4-playing-with-navigationview/>

49. Cannot load # facets

Error: _ cannot load 5 facets

Fix: _

settings -> Plug In

<http://stackoverflow.com/questions/20560746/in-android-studio-cannot-load-2-facets-unknown-facet-typeandroid-and-android-gr>

Error: _No/Grayed, disabled run and debug icon. Selecting run results in edit configuration prompt window with wrong android sdk installation path.

Fix: _

<http://stackoverflow.com/questions/28385172/run-button-is-disabled-in-android-studio>

OR: _ Go to project structure -> change compile sdk version

50. Waiting for debugger

Error: _ Stuck at "Waiting for debugger" wait chunk

Fix: _

<http://stackoverflow.com/questions/36508479/android-studio-2-0-waiting-for-debugger>

Change "App" module to "Application" Module in run configuration

Check answer by sahil shekhawat in below link

<http://stackoverflow.com/questions/18368748/android-studio-module-wont-show-up-in-edit-configuration>

Check your settings gradle. It may have only :app

Add module -> Phone and tablet -> Sync. Check again your settings gradle. Now it may have :app, :'myapplication'.

Debug your app and if it works, you can now remove that unnecessary module you had to add earlier.

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Now, if it is not working, go to edit configuration, select debugger tab, select auto option.

Debug and check if it works.

OR:_ Reboot

51. Brown/red file/folder/s

Error: _ Each file, folder turned into brown red

Fix: _ Go to settings -> version control -> Under VCS tab, select "None" from the drop down menu.

52. Send objects: Parcelable

Send objects, ArrayList, ArrayList<CustomObject> from one activity to another activity

<http://stackoverflow.com/questions/21250339/how-to-pass-arraylistcustomobject-from-one-activity-to-another>

But, What to use between Serializable and parcelable?

53. Parcelable V/s Serializable

<http://www.developerphil.com/parcelable-vs-serializable/>

<https://codedump.io/share/9XG6RSO6Qu7O/1/parcelable-protocol-requires-a-parcelablecreator-object-called-creator-i-do-have-creator>

54. Dynamic menu

Make dynamic menu in android.

<http://stackoverflow.com/questions/15580111/how-can-i-dynamically-create-menu-items>

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55. Custom view/layout for menu items

Custom view, layout for menu items.

<http://blog.stablekernel.com/using-custom-views-as-menu-items>

Custom RecyclerView with Image, Description and button

<https://androidexamples4u.wordpress.com/material-design/recyclerview-and-cardview/creating-custom-recycler-adapter/>
<http://www.android-examples.com/android-recyclerview-listview-with-imageview-textview-json/>

Responsive design in Android (Adaptive UI)

<https://www.raywenderlich.com/114066/adaptive-ui-android-tutorial>

Wednesday 5 April 2017 10:30

Trying to solve invalid login_token

56. Cannot load # facets

Error: _ cannot load 5 facets

Fix: _

settings -> Plug In

<http://stackoverflow.com/questions/20560746/in-android-studio-cannot-load-2-facets-unknown-facet-typeandroid-and-android-gr>

57. Disabled run and debug icon

Error: _No/Grayed, disabled run and debug icon. App Module Problem.

Fix: _

<http://stackoverflow.com/questions/28385172/run-button-is-disabled-in-android-studio>

Copy from other project and paste app.iml file

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58. Waiting for debugger

Error: _ Stuck at "Waiting for debugger" wait chunk

Fix: _

<http://stackoverflow.com/questions/36508479/android-studio-2-0-waiting-for-debugger>

59. Brown/red file/folder/s

From the

Error: _ Each file, folder turned into brown red

Fix: _ Go to settings -> version control -> Under VCS tab, select "None" from the drop down menu.

Thursday 6 April 2017 09:53

60. Parcelable: Creator

Trying to send list from one activity to other. Serializable. Parcelable.

Error: _ Parcelable protocol requires a Parcelable.Creator object called CREATOR on class com.ccse.a888.Model

Detail: _ ...but i have already created that!

<https://coderwall.com/p/vfbing/passing-objects-between-activities-in-android>

Trying bundle and intent together. Not worked.

Error? Inconsistent data between read and write parcel. (list conflicts?)

Error? Did not declare CREATOR as public? Yes, Solved after creating it public!

Before: _

After: _

And Fixed!

Error? Declaring new parcelable and forgot new Parcelable.Creator. Wrote new Creator!?

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Bug: _ Not getting description!

Try: _ Description textView from wrap_content to match_parent.

Detail: _ Did not write anything in description while creating complaint! Tried! Not worked!

Try: _ Local variable when putting data of description. Done. Fixed. That was the problem!

Best Practice tip: _ If not necessary, do not make static method inside the same class!

61. Converting timestamp to local

Date time format

<http://stackoverflow.com/questions/17290916/how-to-change-the-date-format-in-android>
<https://developer.android.com/reference/java/text/SimpleDateFormat.html>

62. Custom format for timestamp

Date time format

Capital AM/PM to lowerCase or custom format

<http://stackoverflow.com/questions/13581608/displaying-am-and-pm-in-small-letter-after-date-formatting/13581910#13581910>

63. Dynamic menu/menu item

Adding menu at run time, dynamically in toolbar

<http://stackoverflow.com/questions/26778701/how-to-add-buttons-like-refresh-and-search-in-toolbar-in-android>

64. Material searchView

<http://stackoverflow.com/questions/30369246/implementing-searchview-as-per-the-material-design-guidelines>

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<http://www.materialdoc.com/toolbars/>

<https://www.learn2crack.com/2017/03/searchview-with-recyclerview.html>

Implemented as it is but could not understand anything! 16:23

Error: _ Tapping on 3 dots of settings from expanded searchView, removes search view!

<http://www.devexchanges.info/2016/05/android-using-searchview-in.html>

<http://joerichard.net/android/android-material-design-searchview-example/>

<http://wptrafficanalyzer.in/blog/android-searchview-widget-with-actionbarcompat-library/>

<http://abhiandroid.com/ui/searchview>

Solution: Just keep always|collapseActionView for searchView menu item!!!!!!!!!!!!!!!!!!!!!!

Extras on searchview

<https://www.grokkingandroid.com/android-tutorial-adding-search-to-your-apps/>

<http://codetheory.in/adding-search-to-android/>

Friday 7 April 2017 09:37

Task: _ Page loading according to server response instead of manual pagination

AOI: _ Case history call management, RecyclerView

65. ProgressBar

ProgressBar loading until response comes and not until manual time!

<http://stackoverflow.com/questions/10844116/display-progress-bar-while-loading>

66. Search with search view

Search with searchView using Async

Cancel if the last Async already running

<http://stackoverflow.com/questions/34688425/best-way-to-configure-async-task-for-use-in-autocomplete-search>

Not doing anything in searchview

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Check if you have implement and set listener for your searchView!

...and that you have written something (that you want to perform) on two override methods of that interface!

<http://stackoverflow.com/questions/40617685/search-view-is-not-working-in-android>

Monday 10 April 2017 09:45

Task: _ searching action inside search view has limitation of 1 page.

<http://stackoverflow.com/questions/29792187/add-a-search-filter-on-recyclerview-with-cards>

67. Multipart

Task: _ Uploading image to server in multi part.

<http://blog.aimanbaharum.com/2016/03/26/android-image-multi-part-upload/>

<http://hmkcode.com/android-display-selected-image-and-its-real-path/>

<http://www.survivingwithandroid.com/2013/05/android-http-downlod-upload-multipart.html>

<http://www.androidhive.info/2014/12/android-uploading-camera-image-video-to-server-with-progress-bar/>

<https://vikaskanani.wordpress.com/2011/01/11/android-upload-image-or-file-using-http-post-multi-part/>

<http://stackoverflow.com/questions/18964288/upload-a-file-through-an-http-form-via-multipartentitybuilder-with-a-progress>

68. Mime type

What is mime type?

<http://stackoverflow.com/questions/7157129/what-is-the-mimetype-attribute-in-data-used-for>

Mimetype **Multipurpose Internet Mail Extensions** is tell you the description of the content

Text in character sets other than ASCII

Non-text attachments

Message bodies with multiple parts

Header information in non-ASCII character sets

and also whether is it Pdf/epub/html/text etc

Any `ContentProvider` usually defines the type of data it handles (e.g. [NodePadProvider](#) handles a `Notes` data type defined in an inner class of [NodePad](#)). A MIME type is just a standardized way to define that data type by giving it a unique name. This allows the data type to be communicated to code that works with a `ContentProvider` in a standardized way.

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It also helps a `ContentProvider` that handles several different types of data to keep things organized, e.g. a `RailwayContentProvider` might handle trains, stations and tickets and can use the MIME type to tell each one apart.

Why MIME types?

The use of MIME types is a natural consequence when you think about how a `ContentProvider` is accessed through URIs, i.e. something like an URL on the Internet. Just like on the Internet there are MIME types like `text/html` for web pages and `image/jpeg` for .jpg images, Android wants you to define a custom MIME type for any data type your `ContentProvider` handles.

An example custom MIME type

In the NodePad (linked above) class of the NotePad example project, you'll find:

```
public static final String CONTENT_TYPE = "vnd.android.cursor.dir/vnd.google.note";
```

This field defines a custom MIME type (recognizable by the `type/subtype` pattern).

Android suggests you use `vnd.android.cursor.dir/...` as the first part for any kind of "directory listing" (multiple items) and `vnd.android.cursor.item/...` as the first part for any kind of single item.

For the subtype, it's again suggested to start it with `vnd.` and then add something like your reverse domain name / package name, e.g. `vnd.android.cursor.item/vnd.com.mydomain.myapp.mydata`

To avoid all those `vnd...` strings in your code, there's also some constants in `ContentResolver` like [`CURSOR_DIR_BASE_TYPE`](#) and [`CURSOR_ITEM_BASE_TYPE`](#).

What is content body, file body, string body as a parameter/argument of multipartentity?

Tags: _ content body, file body, string body, multipartentity, android, apache http

<https://hc.apache.org/httpcomponents-client-ga/httpmime/apidocs/org/apache/http/entity/mime/content/ContentBody.html>

Error: _ illegal character in path at index while trying to upload image using android multipart

<http://stackoverflow.com/questions/4992317/illegal-character-in-path-at-index-16>

How to pass string variable in multipart entity

<http://stackoverflow.com/questions/9971628/how-to-pass-string-variable-in-multipartentity>

69. Multidex

Error: _ Multidex

Fix: _ In gradle.app, enable multidex

image upload to server using Multipart with BasicNameValuePair

<http://stackoverflow.com/questions/20146011/upload-image-in-custom-object-using-multipart-form-data-in-android>

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70. No static instance or duplicate entry

Error: _ No Static Instance or Duplicate entry

Solution: _ comment compile file tree of build.gradle app module

Image downloading

<http://www.wingnity.com/blog/android-json-parsing-and-image-loading-tutorial/>
<http://www.android-examples.com/android-recyclerview-listview-with-imageview-textview-json/>
<http://www.androidhive.info/2012/07/android-loading-image-from-url-http/>

Wednesday 12 April 2017 16:01

Best Practice. Naming convention and package organization

<https://guides.codepath.com/android/Organizing-your-Source-Files>

71. Run time permissions

Run time permission (For Marshmallow and above)

<https://www.learn2crack.com/2015/10/android-marshmallow-permissions.html>
<https://inthecheesefactory.com/blog/things-you-need-to-know-about-android-m-permission-developer-edition/en>
<https://www.sitepoint.com/requesting-runtime-permissions-in-android-m-and-n/>
<http://www.truiton.com/2016/04/obtaining-runtime-permissions-android-marshmallow-6-0/>
<http://www.androidhive.info/2016/11/android-working-marshmallow-m-runtime-permissions/>

71.1. Run time Permission Library:

<https://github.com/ParkSangGwon/TedPermission>

72. File// Scheme will not work from nougat?

File// scheme will not work with nougat. Content scheme scope

<https://inthecheesefactory.com/blog/how-to-share-access-to-file-with-fileprovider-on-android-nougat/en>

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Different Uri for different API

<http://codetheory.in/android-pick-select-image-from-gallery-with-intents/>

<http://stackoverflow.com/questions/19834842/android-gallery-on-kitkat-returns-different-uri-for-intent-action-get-content>

Send string to handler in message

<http://stackoverflow.com/questions/17372814/conversion-between-message-and-string-in-android>

73. Login session management

login session management using sharedPreferences in android

<http://www.androidhive.info/2012/08/android-session-management-using-shared-preferences/>

Thursday 13 April 2017 10:54

74. Glide

74.1. Compress and reduce the size of image using Glide:

<https://stackoverflow.com/questions/52314383/how-to-compress-and-reduce-quality-of-image-using-glide-for-android>

```
.override(100, 100);
```

Best usage practice for Glide I have ever found:

How to use disc cache strategy, thumbnail with and without dedicated thumbnail url and other useful features:

<https://android.jlelse.eu/best-strategy-to-load-images-using-glide-image-loading-library-for-android-e2b6ba9f75b2>

This is from the official document:

<https://bumptech.github.io/glide/doc/options.html#thumbnail-requests>

If you're just loading a local image, or you only have a single remote URL, you can still benefit from the thumbnail API by using Glide's [override\(\)](#) or [sizeMultiplier\(\)](#) APIs to force Glide to load a lower resolution image in the thumbnail request:

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```
int thumbnailSize = ...;
Glide.with(fragment)
    .load(localUri)
    .thumbnail(
        Glide.with(fragment)
            .load(localUri)
            .override(thumbnailSize))
    .into(view);
```

In layman's language:

<https://futurestud.io/tutorials/glide-thumbnails>

Other references:

<http://www.androidhive.info/2016/04/android-glide-image-library-building-image-gallery-app/>

```
Glide.with(context).load(userData.getPhoto())
    .thumbnail(0.5f)
    .crossFade()
    .diskCacheStrategy(DiskCacheStrategy.ALL)
    .into(((MyViewHolder) holder).photo);
```

75. Splash screen

<http://www.androidhive.info/2013/07/how-to-implement-android-splash-screen-2/>

76. Spinner

Get position of selected item of spinner. (Spinner item position means the string array position on spinner element)

<http://www.android-examples.com/get-selected-item-position-of-spinner-in-android/>

Multiple spinner with multiple items and we want to do something depending upon which particular item of particular spinner has been selected where each spinner and item is different.

Tags: _ multiple spinner items handle manage click event position name string action

<http://stackoverflow.com/questions/13716251/how-to-implements-multiple-spinner-with-different-item-list-and-different-action>

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77. Compress Image

Compress image before sending, uploading to server

Simple

<http://stackoverflow.com/questions/28979402/how-to-compress-image-before-uploading-to-server>

```
private void setImageView(int sdk, String uriPath, String realPath) {
    Uri uriFromPath = Uri.fromFile(new File(realPath));

    try {
        bitmap = BitmapFactory.decodeStream(getContentResolver().openInputStream(uriFromPath));
    } catch (FileNotFoundException e) {
        e.printStackTrace();
    }

    img_upload.setImageBitmap(bitmap);
}
```

Explanation

<http://stackoverflow.com/questions/41930029/process-to-compress-an-image-for-uploading-to-a-server-in-android>

Complex

<http://voidcanvas.com/whatsapp-like-image-compression-in-android/>

78. Saving and reading images

<http://www.codexpedia.com/android/android-download-and-save-image-internally/>

<http://stackoverflow.com/questions/17674634/saving-and-reading-bitmaps-images-from-internal-memory-in-android>

79. Timestamp

<http://stackoverflow.com/questions/39869754/how-to-save-processed-image-in-android>

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80. Insert image to gallery

<http://stackoverflow.com/questions/39411160/how-to-save-opencv-resultant-images-in-android-automatically>

81. URI V/s URL

What is the difference among URI, URL (Uniform Resource Locator), Path and file in android?

<http://stackoverflow.com/questions/27845223/whats-the-difference-between-a-resource-uri-url-path-and-file-in-java>

Below is URI (Uniform Resource Identifier) from intent

```
Uri uri = data.getData();
```

<content://com.android.providers.media.documents/document/image%3A5451>

It includes: content:// which specifies the scheme as “content”.

Below is Path of above mentioned URI with the help of cursor

</storage/emulated/0/DCIM/image1478511585066.png>

When we convert, the same path into URI again as below, it will give below result!

```
Uri uriFromPath = Uri.fromFile(new File(realPath));
```

<file:///storage/emulated/0/DCIM/image1478511585066.png>

Note the difference in schema!

But, if we convert into URI from that path as below, it will give different result!

```
String.valueOf(Uri.parse(realPath))
```

</storage/emulated/0/DCIM/image1478511585066.png>

Now, below is the path, we will create manually. It is a string format. We will save our picked up image inside there.

</storage/emulated/0/8888/>

We need to make a file there and it will be as below. It is a file.

/storage/emulated/0/8888/8888_20170420_185853.png

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We need a string path and name of file to create new file.

We also need to pass it to `fileOutputStream` to write in actual!

```
fOut = new FileOutputStream(file);
```

Now, we are inserting our image from there to the user gallery as below

```
String path = MediaStore.Images.Media.insertImage(context.getContentResolver(), file.getAbsolutePath(),  
file.getName(), file.getName());
```

It will be as below in real:

<content://media/external/images/media/14901>

It looks like URI and indeed, it is when we confirm it as below!

```
filePathUri = Uri.parse(path);
```

Which is:

<content://media/external/images/media/14901>

Remember, that the real path is as below:

/storage/emulated/0/8888/8888_20170420_185853.png

82. Storage directory in android

Tutorial on storage directory, file, uri, path structure of android

<http://www.codevoila.com/post/46/android-tutorial-android-external-storage>

```
String fullPath = context.getExternalFilesDir(Environment.DIRECTORY_PICTURES).getAbsolutePath() +  
APP_PATH_SD_CARD + APP_THUMBNAIL_PATH_SD_CARD;
```

Error: _

Subdirectories cannot be made at once! Like `\8888\abs`

First we need to make `\8888` and only then we can make `\abs`

Tags... Files, directories, uri, realpath...

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83. Waiting for debugger

Error: _

Waiting for debugger each and every time requires choose process to attach debugger

Fix: _

Enable instant run!

OR Reset android studio settings

84. Facebook Integration

Facebook integration

Step by step with graphical representation

http://androidexample.com/Facebook_Integration_-_Android_Example/index.php?view=article_discription&aid=150&aaid=164

85. Ubuntu software center

To open Ubuntu Software center, press window key, click on ubuntu software center, type “openssl” in search area, install the software.

If any trouble, follow below link for that matter.

<https://help.ubuntu.com/community/UbuntuSoftwareCenter?action=show&redirect=SoftwareCenterFAQ>

86. SHA-1 key in ubuntu

How to get SHA-1 key in Ubuntu

```
/usr/bin/keytool -list -v -keystore ~/.android/debug.keystore -alias androiddebugkey -storepass android -keypass android
```

<https://askubuntu.com/questions/572912/how-to-get-sha1-certificate-fingerprint-for-google-map-api-key>

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87. Keytool in ubuntu

Find where is your keytool and if there are more than one, find which one should be used?

```
$ which keytool  
/usr/bin/keytool
```

<https://askubuntu.com/questions/382453/how-to-determine-command-location/382460#382460>

88. Keyhash in ubuntu

Keyhash from ubuntu

```
keytool -exportcert -alias androiddebugkey -keystore ~/.android/debug.keystore | openssl sha1 -binary | openssl base64
```

<http://stackoverflow.com/questions/5989237/generating-hash-key-for-app-using-facebook-sdk>

89. Facebook Integration

Go to below link and press +Add a new app

<https://developers.facebook.com/apps>

Best Practice for Login

<https://developers.facebook.com/docs/facebook-login/best-practices>

<https://developers.facebook.com/docs/facebook-login/testing-your-login-flow/>

90. aar module dependency

How to use, handle, manage, integrate, add .aar module dependency.

<http://stackoverflow.com/questions/16682847/how-to-manually-include-external-aar-package-using-new-gradle-android-build-syst>

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Check second answer there for graphical presentation.

More reference: _

<https://coderwall.com/p/qxxmaa/android-use-a-custom-font-everywhere>

<http://codesfor.in/change-font-of-entire-application-in-android/>

<http://stackoverflow.com/questions/2711858/is-it-possible-to-set-a-custom-font-for-entire-of-application>

91. Facebook Integration

Fb, Facebook Login

<https://developers.facebook.com/apps/642599079282740/fb-login/quickstart/>

<http://www.androidhive.info/2012/03/android-facebook-connect-tutorial/>

<https://developers.facebook.com/docs/facebook-login/android>

<https://www.androidlearning.in/facebook-login-for-android-app/>

<https://www.simplifiedcoding.net/login-with-facebook-android-studio-using-facebook-sdk-4/>

OR: _ Getting started with facebook help and support

<https://developers.facebook.com/quickstarts/1168978946558738/?platform=android>

How to deal with and integrate facebook sdk and sample project to import

<https://developers.facebook.com/docs/android/getting-started>

92. Facebook: Get user data

<https://developers.facebook.com/docs/graph-api/reference/v2.2/user>

93. Facebook button

Facebook button and all

<https://developers.facebook.com/docs/facebook-login/android>

Change facebook login log in button icon customization facebook sdk android

<http://stackoverflow.com/questions/31327897/custom-facebook-login-button-android>

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Permissions for facebook LogInButton, Permissions can be set on facebook LogInButton

Tags:_ read permissions set facebook log in button, loginbutton, login button

<https://developers.facebook.com/docs/facebook-login/permissions>

94. Permissions Reference - Facebook Login

Each permission has its own set of requirements and suggested use cases. All these permissions, except the default, `public_profile`, require that you have Client OAuth Login enabled for your app on the **Facebook Login** tab of your app dashboard. Some permissions do not require review, but most do. Please see the details for each permission to learn more about how to use it in your app. Remember, all use of these permissions are subject to our [Platform Policies](#) and your own privacy policy.

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•	•
• <u>public_profile</u>	• <u>user_tagged_places</u>
•	•
• <u>user_friends</u>	• <u>user_videos</u>
•	•
• <u>email</u>	• <u>user_website</u>
•	•
• <u>user_actions.books</u>	• <u>user_work_history</u>
•	•
• <u>user_actions.fitness</u>	• <u>read_custom_friendlists</u>
•	•
• <u>user_actions.music</u>	• <u>read_insights</u>
•	•
• <u>user_actions.news</u>	• <u>read_audience_network_insights</u>
•	•
• <u>user_actions.video</u>	• <u>read_page_mailboxes</u>
•	•
•	• <u>manage_pages</u>
<u>user_actions:{app namespace}</u>	•
•	• <u>publish_pages</u>
• <u>user_birthday</u>	•
•	• <u>publish_actions</u>
• <u>user_education_history</u>	•
•	• <u>rsvp_event</u>
• <u>user_events</u>	•
•	• <u>pages_show_list</u>
• <u>user_games_activity</u>	•
•	• <u>pages_manage_cta</u>
• <u>user_hometown</u>	•
•	• <u>pages_manage_instant_articles</u>
• <u>user_likes</u>	•
•	• <u>ads_read</u>
• <u>user_location</u>	•
•	• <u>ads_management</u>
• <u>user_managed_groups</u>	•
•	• <u>business_management</u>
• <u>user_photos</u>	•
•	• <u>pages_messaging</u>
• <u>user_posts</u>	•
•	• <u>pages_messaging_subscriptions</u>
• <u>user_relationships</u>	•

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-
- user_relationship_details
-
- user_religion_politics
-
- pages_messaging_payments
-
- pages_messaging_phone_number
-

94.0.0.1. Deprecated Permissions

-
- manage_notifications
-
- read_stream
-
- read_mailbox
-
-
-
- user_about_me
-
- user_groups
-
- user_status
-

94.0.1. public_profile (Default)

Provides access to a subset of items that are part of a person's public profile. A person's public profile refers to the following properties on the [user object](#) by default:

-
- `id`
-
- `cover`
-
- `name`
-
- `first_name`
-
- `last_name`
-
- `age_range`
-
- `link`
-
- `gender`
-
- `locale`

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-
- `picture`
-
- `timezone`
-
- `updated_time`
-
- `verified`

On the web, `public_profile` is implied with every request and isn't required, although the best practice is to declare it. On iOS and Android, you must manually request it as part of your login flow.

`gender` & `locale` can only be accessed if:

-
- The person queried is the person using the app.
-
- The person queried is using the app, and is a friend of the person using the app.
-
- The person queried is using the app, is not a friend of the person using the app, but the app includes either an app access token or an `appsecret_proof` argument with the call.

`timezone` & `verified` can only be accessed if:

-
- The person queried is equal to the person making the request.

94.0.1.1. Review

Your app may use this permission without review from Facebook.

Tags: `_facebook` user profile pic, profile picture, desktop picture, dp, photo

A person's name, profile picture, locale, age range and gender are included by default with the `public_profile` permission.

94.0.2. email

Provides access to the person's primary email address via the `email` property on the `user` object.

Do not spam users. Your use of email must comply with both [Facebook policies](#) and with the [CAN-SPAM Act](#).

Note, even if you request the `email` permission it is not guaranteed you will get an email address. For example, if someone signed up for Facebook with a phone number instead of an email address, the email field may be empty.

94.0.2.1. Review

Your app may use this permission without review from Facebook.

94.0.3. `pages_messaging_phone_number` (Customer Matching)

This allows you to send and receive messages through a Facebook Page. This permission cannot be used to send promotional or advertising content. Conversations through this API can only begin when someone indicates—through a Messenger plugin or directly messaging you—that they want to receive messages from you.

94.0.3.1. Review

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If your app requests this permission Facebook will have to [review](#) how your app uses it.

94.0.3.2. Common Usage

Sending content you'd normally send through SMS
Messaging people without their consent

Useful permissions to be set on facebook loginButton

public_profile, email, user_birthday (requires fb review), user_location (gives current city set by user, requires fb review), user_tagged_places (requires fb review), pages_messaging_phone_number (requires fb review), user_friends

Permissions to post on behalf of user

All below permissions requires fb review

publish_actions, publish_pages, manage_pages all with certain combinations.

Get user latitude and longitude from facebook graph api

<http://stackoverflow.com/questions/10558403/getting-lat-and-lon-from-facebook>

<https://developers.facebook.com/docs/android/graph#userdata>

95. Reset android studio settings

Reset android studio settings in ubuntu/linux. But it will download most stuff again!

<http://stackoverflow.com/questions/30828325/reset-android-studio-settings-to-default-setting-on-linux>

Monday 17 April 2017 10:47

Get device token

<http://stackoverflow.com/questions/22713363/get-devices-token>

Custom bottom real time Material Tabs (bottom navigation) : _ Given at 10:46 Estimate time 3 hours

96. Google+ integration

Sign In with Google+, google plus

Official Demo

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<https://android-developers.googleblog.com/2016/03/registering-oauth-clients-for-google.html>

<https://www.androidlearning.in/google-sign-in-for-android-app/>

<https://developers.google.com/identity/sign-in/android/start>

<https://www.simplifiedcoding.net/google-login-android-tutorial-integrate-gplus-login/>

<https://www.numetriclabz.com/android-google-plus-integration-and-login-tutorial/>

Null result

May be an issue of disabled google play services or outdated google play services.

<https://stackoverflow.com/questions/43648520/how-do-you-prompt-the-user-to-update-google-play-services/43648662>

<http://stackoverflow.com/questions/30957749/is-it-possible-to-ask-user-if-he-wants-to-update-google-play-services-or-not>

Customize google play service error dialog

<http://stackoverflow.com/questions/13979253/how-to-style-the-google-play-services-error-on-android>

Google play services disabled, out of date, google play store will not open, app crash

<https://stackoverflow.com/questions/43648520/how-do-you-prompt-the-user-to-update-google-play-services/43648662>

<http://stackoverflow.com/questions/34685928/token-null-sign-in-google-account>

97. Official Google Sample Examples

<https://github.com/googlesamples>

User information from google apis

<https://developers.google.com/android/reference/com/google/android/gms/common/Scopes>

Get profile picture of user from google api

profile picture, google api

<https://developers.google.com/identity/sign-in/android/people>

98. Twitter integration in android

<https://www.simplifiedcoding.net/twitter-login-android-tutorial-integrating-twitter-login/>

<https://github.com/probelalkhan/Twitter-Login-Sample-App>

Get user email through twitter api

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<https://twittercommunity.com/t/android-requestemail-fabric-sdk/55825/5>
<https://twittercommunity.com/t/fabric-android-requestemail-not-get-the-user-email/80587>
<http://stackoverflow.com/questions/29590666/get-twitter-user-email-using-fabric-sdk>

Twitter api without twitter app installed android

App needs to be whitelisted to get user email id from twitter api with fabric

<https://docs.fabric.io/android/twitter/login-in-with-twitter.html#request-user-email-address>
<https://twittercommunity.com/t/need-to-tweet-using-fabric-sdk-android-if-native-twitter-app-is-not-installed/32170>

Various APIs, graph etc... of twitter

https://dev.twitter.com/rest/reference/get/account/verify_credentials
<https://dev.twitter.com/rest/reference/get/users/show>

Change customize custom twitter login log in signin sign in button android

<http://guruquest.net/question/using-custom-login-button-with-twitter-fabric/>

Tuesday 18 April 2017 10:27

Bottom navigation view

<https://blog.autsoft.hu/now-you-can-use-the-bottom-navigation-view-in-the-design-support-library/>
<http://www.materialdoc.com/bottom-navigation/>

Tip

Taking navigation drawer activity, when Bottom navigation widget added in content main xml, it gave beautiful animation by default when pressing on menu item of bottom navigation.

Changing the title text font size of menu item in style

<http://stackoverflow.com/questions/29844064/how-to-change-the-menu-text-size>

Condensed title

Extending and overriding base class (BottomNavigationView class)

Set the menu item simply but separately with custom layout explicitly at bottom

Show title text of menu items of bottom navigation view by default instead of only on selected state

Tags: _ bottom navigation view, menu item, title, text, show, state

See disable Shift mode method mentioned there as an answer of one query in comment

<http://droidmentor.com/bottom-navigation-view-in-android/>

Selector for bottom navigation view

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Tags: `_` select state

<http://stackoverflow.com/questions/40325422/selected-tabs-color-in-bottom-navigation-view>

Shadow, divider, separator above bottom navigation view

It works only when we set

set default selected checked pressed focused menu item

Simply, set that icon in your menu.xml file!

`android:background="@android:color/white"`

Google space like custom bottom navigation view

<http://stackoverflow.com/questions/40291898/android-bottom-bar-like-google-space-app>

<https://github.com/thelong1EU/SpaceTabLayout>

<https://android-arsenal.com/details/1/4180>

Make divider, separator, line

<http://stackoverflow.com/questions/5049852/android-drawing-separator-divider-line-in-layout>

Change menu item icon size of bottom navigation view

<http://stackoverflow.com/questions/41516568/changing-bottomnavigationviews-icon-size>

Bezier view, that is half circle. Use Paint, Canvas, Draw. Google: `_` How to get Bezier view in android. Set it as background for desired view.

```
private BezierView buildBezierView() {  
    BezierView bezierView = new BezierView(context, spaceBackgroundColor);  
    bezierView.build(centreContentWight, spaceNavigationHeight - mainContentHeight, isCentrePartLinear);  
    return bezierView;  
}
```

How to use 9 patch image in android. Check second answer also by gnB

<http://stackoverflow.com/questions/17124719/creating-using-9-patch-images-in-android>

Get menu item for bottom navigation view

<http://stackoverflow.com/questions/40801686/set-default-menuitem-for-bottomnavigationview>

Get default checked, selected, enabled, pressed menu item for bottom navigation view

set default selected checked pressed focused menu item

Simply, set that icon in your menu.xml file!

Below links could not work for bottom navigation view!

<http://stackoverflow.com/questions/31233279/navigation-drawer-how-do-i-set-the-selected-item-at-startup>

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<http://stackoverflow.com/questions/40668133/bottom-navigation-view-highlight-selected-item>

custom center raised google space like bottom tabbar tabhost tab widget

<http://stackoverflow.com/questions/10764046/how-to-create-center-raised-tabbar-in-android>

<https://github.com/AdilSoomro/Raised-Center-Tab-in-Android>

Bottom tabbar, tabhost, tabs, tabwidget android

<http://envyandroid.com/align-tabhost-at-bottom/>

<http://stackoverflow.com/questions/2395661/android-tabs-at-the-bottom>

About tabhost

<http://abhiandroid.com/ui/tabhost>

Remove divider from tabbar, tab widget, tabhost

<http://stackoverflow.com/questions/6197856/change-tab-background-color-and-remove-divider-line-between-tabs>

Spinner on toolbar

<http://www.viralandroid.com/2016/03/how-to-add-spinner-dropdown-list-to-android-actionbar-toolbar.html>

Change color of image, drawable, bitmap in android

Tags: _ color, image, android, change, drawable, bitmap

```
int color = Color.parseColor("#A8A8A8");
ImageView half_circle = (ImageView) findViewById(R.id.half_circle);
half_circle.setColorFilter(color, PorterDuff.Mode.MULTIPLY);
```

=? in sql.

The question mark will be replaced with the actual data whenever we pass.

Look at the below example.

Here, the question mark will be replaced by id.

We pass as many values as we may have put question marks.

In above example, we put one question mark and hence, we passed one value in string array, in such a way that the question mark will be replaced by that id!

Look below screenshot for clarification.

We got id as 2801, we mentioned column to query, we made selection for particular id. I.e., search in mentioned column where id=? And then, the question mark, was replaced by id (2801) when we used selection argument in cursor to query.

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<http://stackoverflow.com/questions/10507005/using-string-selectionargs-in-sqlitedatabase-query>

99. Layout direction

Friday 21 April 2017 11:13

Arabic localization, Right to Left UI

AOI: _ values-ar -> String, different layouts!

activity.getWindow().getDecorView().setLayoutDirection(View.**LAYOUT_DIRECTION_RTL**);

<http://stackoverflow.com/questions/39544002/android-right-to-left-or-left-to-right-layout-design-based-on-location?noredirect=1&lq=1>

<http://stackoverflow.com/questions/18996183/identifying-rtl-language-in-android/23203698#23203698>

Each layout has an attribute as LayoutDirection and we may need to detect the language selected at run time and according to that, we may change layoutDirection at run time.

<http://stackoverflow.com/questions/22752565/android-app-ui-orientation-in-right-to-left-languages-arabic-hebrew-and-persi>

<http://www.androidhive.info/2014/07/android-building-multi-language-supported-app/>

Done! However, it won't work below API 17! To make it work below API 17, following are few reference links: _

in 4.2 and above the line: `layoutDirection="rtl"` and in the manifest: `android:supportsRtl="true"` is working just fine.

<http://stackoverflow.com/questions/20377219/android-below-4-2-how-to-set-layoutdirection-to-be-rtl>

```
ViewCompat.setLayoutDirection( mRoot , ViewCompat.LAYOUT_DIRECTION_LTR );
```

```
ViewCompat.setLayoutDirection (View yourView, int layoutDirection)
```

OR

```
ViewCompat.setLayoutDirection (findViewById(R.id.my_view), ViewCompat.LAYOUT_DIRECTION_RTL);
```

<http://stackoverflow.com/questions/35389873/android-layout-direction-issue-in-api-17>

White text in spinner

Use getActivity or "this" even for context parameter! Do not use context!

<http://stackoverflow.com/questions/16354168/text-on-spinner-is-white-on-a-white-background>

Horizontal Scrollable RecyclerView binded up with View pager like tabs

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Horizontal Scrollable RecyclerView

<http://blog.nkdroidsolutions.com/android-horizontal-vertical-recyclerview-example/>

Something like below but without third party library

<https://github.com/ToDo/CalendarPager>

<http://stackoverflow.com/questions/33456216/android-layout-horizontal-recyclerview-inside-a-vertical-recyclerview-inside-a>

https://github.com/codepath/android_guides/wiki/ViewPager-with-FragmentPagerAdapter

About ViewPager

<https://dzone.com/articles/android-tutorial-using>

Remove separator, divider, shadow from action bar, toolbar.

<http://stackoverflow.com/questions/22584078/removing-line-or-divider-between-action-bar-and-main-screen-in-android>

<http://stackoverflow.com/questions/311dp491667/how-to-remove-shadow-below-actionbar-with-appcompat-light-noactionbar>

Tuesday 25 April 2017 10:25

Secretariat

Customized background for checkbox, circle, rounded checkbox

<http://stackoverflow.com/questions/42761099/how-to-create-the-checkbox-in-circular-shape>

<http://stackoverflow.com/questions/3965484/custom-checkbox-image-android>

<http://stackoverflow.com/questions/39929300/create-a-rounded-checkbox-with-boarder>

<http://android-dev-examples.blogspot.in/2014/09/android-custom-checkbox.html>

Edittext issue: _ EditText too long that it gets cut off

android:inputType="textMultiLine"

<http://stackoverflow.com/questions/4233626/allow-multi-line-in-edittext-view-in-android>

<http://stackoverflow.com/questions/13415244/android-edittext-hint-issue>

<http://stackoverflow.com/questions/6767736/edittext-with-long-default-text-on-a-single-line>

<http://stackoverflow.com/questions/3958138/how-to-make-edittext-hint-not-to-wrap>

Slide in out animation for enter exit activity like iOS

<https://kylewbanks.com/blog/left-and-right-slide-animations-on-android-activity-or-view>

<http://www.androidhive.info/2013/06/android-working-with-xml-animations/>

checkbox, radio button, single selection, toggle button, proper selection, check, active, enable of button in recycler view

<http://stackoverflow.com/questions/35218633/select-only-one-radiobutton-in-a-recyclerview>

<http://stackoverflow.com/questions/28972049/single-selection-in-recyclerview>

<http://android-pratap.blogspot.in/2015/01/recyclerview-with-checkbox-example.html>

List.get(position).isSelected();

<http://stackoverflow.com/questions/31313238/how-do-i-get-all-the-selected-list-items-using-checkbox>

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Clear, Delete, Truncate, Drop database/table

<http://stackoverflow.com/questions/135653/difference-between-drop-table-and-truncate-table>

<http://beginner-sql-tutorial.com/sql-delete-statement.htm>

Difference between DELETE and TRUNCATE Statements:

DELETE Statement: This command deletes only the rows from the table based on the condition given in the where clause or deletes all the rows from the table if no condition is specified. But it does not free the space containing the table.

TRUNCATE statement: This command is used to delete all the rows from the table and free the space containing the table.

Difference between DROP and TRUNCATE Statement:

If a table is dropped, all the relationships with other tables will no longer be valid, the integrity constraints will be dropped, grant or access privileges on the table will also be dropped, if you want use the table again it has to be recreated with the integrity constraints, access privileges and the relationships with other tables should be established again. But, if a table is truncated, the table structure remains the same, therefore any of the above problems will not exist.

1>TRUNCATE is a DDL command whereas DELETE is a DML command.

2>TRUNCATE is much faster than DELETE.

Reason:When you type DELETE.all the data get copied into the Rollback Tablespace first.then delete operation get performed.Thatswhy when you type ROLLBACK after deleting a table ,you can get back the data(The system get it for you from the Rollback Tablespace).All this process take time.But when you type TRUNCATE,it removes data directly without copying it into the Rollback Tablespace.Thatswhy TRUNCATE is faster.Once you Truncate you can't get back the data.

3>You can't rollback in TRUNCATE but in DELETE you can rollback.TRUNCATE removes the record permanently.

4>In case of TRUNCATE ,Trigger doesn't get fired.But in DML commands like DELETE .Trigger get fired.

5>You can't use conditions(WHERE clause) in TRUNCATE.But in DELETE you can write conditions using WHERE clause

<http://stackoverflow.com/questions/21457432/how-to-reset-sqlite-database-in-android>

Delete query

```
public void clearDatabase(String TABLE_NAME) {  
    String clearDBQuery = "DELETE FROM "+TABLE_NAME;  
    db.execSQL(clearDBQuery);  
}
```

<https://softwareengineering.stackexchange.com/questions/204892/drop-table-if-it-already-exists-and-then-re-create-it>

```
> if the database already exists, then onUpgrade() method is called  
> which simply drops the database and then re-creates it.  
> What is the sense behind such an update?  
> why not just leave the database alone?
```

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The Android specific virtual method SQLiteOpenHelper::onUpgrade

```
public void onUpgrade(final SQLiteDatabase db, final int oldVersion,
final int newVersion) {...}
```

is called because the database-structure has changed (oldVersion is not equal to newVersion, tables/fields have been modified/renamed/added/deleted).

So the author of the sourcecode you are looking at has decided to recreate database from the scratch and loosing all the database-data.

The Programm would not run with the old database structure, because tables/fields would be missing.

Upgrading database issues and workaround

<http://blog.adamsbros.org/2012/02/28/upgrade-android-sqlite-database/>

Best practice

Screens, Steps for navigation, flow, Pseudo theory.

Psychological and scientific Illusion, Illusive effect to not feel any delay in case!

Retrofit

<http://www.androidhive.info/2016/05/android-working-with-retrofit-http-library/>

Theory

<https://futurestud.io/tutorials/retrofit-getting-started-and-android-client>

<http://www.vogella.com/tutorials/Retrofit/article.html>

<http://simpledeveloper.com/how-to-use-retrofit-library-in-android/>

Better way

<https://blog.robinchutaux.com/blog/a-smart-way-to-use-retrofit/>

Why Retrofit? Problem with HttpURLConnection

<http://stackoverflow.com/questions/27094544/android-java-httpurlconnection-silent-retry-on-read-timeout/37675253#37675253>

Future Task:_

Tag:_ pending, features, functionalities,

100. Secretariat Practice Tasks

1. Country code to maximum 4
2. Color of positive and negative button of dialog
3. Gravity of edit text fields to center
4. Put phone number limit field as minimum of 6 and maximum of 15
5. Numeric type input for verification
6. Common method for validation

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7. Edit member mobile number input type
8. Broadcast message cannot be empty
9. Verification message cannot be empty
10. Common method for progress dialog
11. Numberpad to register member country code
12. Validation for empty group otp message
13. Remove credential message from progress dialog
14. Remove transaction on back arrow of new / edit group to group list
15. Default country code should be 1.
16. Make layout clickable to select radio button.
17. Remove no more data toast if there is single data presented (member list, group list)
18. Show no data toast if there is no data on screen (member list)
19. Input type mobile number only and single line not multi line type
20. Plus not to delete. (Text View? Image? Special character?)
21. country code to be shown in member list – (Recheck, Inspect)
22. remove animation while going to member list
23. separator full (Remove margin left and start)
24. finishAffinity on each tab (To not initialize onCreate of G list?!)
25. Back arrow position on toolbar
26. Group API list call onCreate()
27. Please wait only in Progress dialog
28. Validation for edit text field should not be blank or space only (trim function for space only check)
29. edit function without check mark (Rv)
30. Progress dialog not dismiss and toast displays in edit member
31. App icon
32. clear top concept with demo (intent flag)
33. Increase clickable area of check circle
34. Run time permission
35. Orientation lock
36. Checkbox conflicts with RvAdapter while scrolling
37. To understand proper radio button functionality we have already implemented
38. Load More for each Recycler View. Increase page dynamically.
39. Clear db as soon as leaving member list activity so that each member list call can show unique list?! Friday 28

April 2017 10:42

40. Country code box in member edit info
41. Last Checked item both in initialization and in edit back (Hint: _ SharedPref?!)
42. Edit data from edit text instead of from response?
43. Put cursor at the end of edit text field?
44. Pressing member list from verification or broadcast shows nothing.
45. Initially, set first group checked. However, once the application starts, it will maintain checked group according to user selection throughout application life cycle.
46. Do not load data again on group list activity until load more. I.e., it will maintain already loaded data throughout application life cycle. Hint: _ Using SharedPreferences. Clear it when you exit (activity destroy)?
47. delete unnecessary variables. Optimization for reusability. IsConnected. Validation.
48. Set scenario: App start first time -> No group -> Create two group -> Select one -> Exit app -> Re-open app -> Last selected group should be checked. Selection should be maintained. Hint: SharedPreferences can be used. Note: Prior to this scenario, i was clearing sharedPreferences as soon as user exits app. Now, i will not clear that sharedPreferences and then try to justify case.
49. Auto load after internet availability

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50. ASK: Why setting up position instead of tag not work in RvAdapter?
51. ASK: Why i had to take new list and applied addAll to notify adapter?
52. Manage load more from GroupRvAdapter instead of from GroupListActivity

101. Practice Tasks

1. Sign up to Complain page: _ Wednesday 22 March 2017 10:07
2. Hard code string to values string: _ Wednesday 22 March 2017 10:17
3. Custom font from ramizbhai: _ Wednesday 22 March 2017 11:06
4. Taking country code from sim card: _ Wednesday 22 March 2017 11:43
5. Sign in call: _ Wednesday 22 March 2017 12:15
6. Common class for httpClient and connection: _ Wed, 22 Mar 2017 18:25:18 +0530
7. Page 2 only after successful Login: _ Wednesday 22 March 2017 18:48
8. Default imageView (Static?!) on ImageView of complain fragment: _ Wed, 22 Mar 2017 19:10:10 + 0530
9. Uneven space problem among spinner layout and item list: _ Wednesday 22 March 2017 20:05
10. Spinner population and selected on an icon notification: _ **WHAT?**
11. Bug: _ Two time tap for login to Complain : _ Fixed at : _ Thursday 23 March 2017 11:00
12. Show Home As Up Enabled for Sign Up fragment : _ Thursday 23 March 2017 11:46
13. Set image on toolbar (Co-ordination?) : _ Thursday 23 March 2017 12:45
14. (Co-ordinator support for image view on complain fragment).
15. Navigation drawer : _ Thursday 23 March 2017, 18:00 **DONE**
16. Remove toolbar from complain page. No title. Friday 24 March 2017 11:00
17. Place image icon button on image of complain page. Friday 24 March 2017 12:00
18. Changing color of status bar according to color of toolbar Friday 24 March 2017 15:00
19. Hamburger navigation drawer to arrow and vice versa animation Friday 24 March 2017 17:13
20. Custom adapter for default prompt in spinner Monday 27 March 2017 11:55
21. Exit application from complain page Monday 27 March 2017 11:59
22. Login only for registered data Monday 27 March 2017 12:55
23. Keep entered data as it is in case of user id already taken Tuesday 28 March 2017 10:22
24. Proceed only if network access or notify Tuesday 28 March 2017 11:02
25. Reduce space among spinner list Tuesday 28 March 2017 13:32
26. 24 hours calling icon and texts on complain page Tuesday 28 March 2017 15:00
27. Progress dialog in case of late connection response Tuesday 28 March 2017 16:24
28. Send result to activity and proceed there so no need to restore data???? **DONE**
29. Remove static context as recommended by android studio auto suggestion **WHAT**
30. Run time permission **DONE**
31. If already login, redirect to complain page **DONE**
32. Glide library **DONE**
33. ProgressBar on login and sign up button until response and not for manual explicit duration **DONE**
34. ProgressBar while creating complain as well **DONE**
35. Complain without image is creating problem – solved **DONE**
36. Cursor to email_phone instead of password when back to login as of from signUp -> Ndrawer -> login. Fixed. Finish current activity after you call start new activity. **DONE**
37. When pressing back press suddnely while recyclerView is being scrolled, it gives java.lang.IndexOutOfBoundsException: Inconsistency detected. RecyclerView. Fixed. **DONE**
38. Invalid token for all except 7016362473. Fixed (Server side) **DONE**
39. Splash screen **DONE**

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40. Stop loading or do not load if found message: No complaint found status: success **DONE**
41. No complaint found notification when there is no more data **DONE**
42. Do not load complain history page if there is no complain **DONE**
43. **No complaint found instead of No more complaint found (Server side)!**
44. Spinner on toolbar at right side as per given screenshot (ss given on 18 Apr 2017)
45. Try to have only one activity. Navigation drawer on selected fragments only???
46. Proceed only if network access or prompt (Address)
47. Toast for connection refused as Slow internet or something like that
48. Screen rotation compatibility
49. CaseHistory RecyclerView with screen rotation to sustain!
50. Responsive design!!!!
51. Moving url string from resource values to static class call
52. Get device details such as Device name, model name, IMEI number, android version etc...
53. Add title edit text for complain explanation and get that title for API_JSON_COMPLAINT_TITLE (can be null!)
54. Retrofit
55. Complain view improvement
56. Constraint Layout or anyhow, LogIn textView (account) in center
57. LogIn snackbar on constraint layout for swipe function
58. Edit icon on complain fragment toolbar to set image on imageView
59. Implementation of DataBinding

Wednesday 10 May 2017 10:03

IntegrationDemo

2 Google LogOut from different activity

Wednesday 10 May 2017 10:03

Followed below and it worked after changing logOut code to below:

<http://stackoverflow.com/questions/15392643/google-sign-out-from-a-different-activity>

Auth.**GoogleSignInApi**.signOut(**mGoogleApiClient**).setResultCallback(**new** ResultCallback<Status>() {

@Override

public void onResult(**@NonNull** Status status) {

//Start Exclude

finish();

//End Exclude

}

});

<http://stackoverflow.com/questions/15392643/google-sign-out-from-a-different-activity>

<http://stackoverflow.com/questions/30577746/logout-from-google-from-other-activity>

<http://stackoverflow.com/questions/30577746/logout-from-google-from-other-activity/42166619#42166619>

if any issue

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<http://stackoverflow.com/questions/42831348/logout-googlepiclient-from-another-activity>

Using Singleton activity application class

<http://stackoverflow.com/questions/31911620/android-code-for-google-plus-signin-in-one-activity-and-signout-from-another-act>

<http://stackoverflow.com/questions/29558996/android-google-logout-google-in-another-activity>

Learn more about Singleton class

<http://www.journaldev.com/1377/java-singleton-design-pattern-best-practices-examples>

How to use, usages of singleton class

https://www.tutorialspoint.com/java/java_using_singleton.htm

1

2 2. Wednesday 10 May 2017 11:14 Twitter logIn without app installed in android

<https://dev.twitter.com/web/sign-in>

Discontinued...

3. Wednesday 10 May 2017 11:26 Sign in Sign up page Weenkm

ViewPager with circle indicator dots

https://github.com/nirmaldhara/viewpager_circle_indicator

Without image and shortest code

<https://github.com/Audhil/AndroidUIPageViewController>

<https://smdaudhilbe.wordpress.com/2014/08/17/how-to-create-uipageviewcontrollerios-like-in-android/>

Default implementation

<http://stackoverflow.com/questions/38459309/how-do-you-create-an-android-view-pager-with-a-dots-indicator>

Binary XML file line #33: Error inflating class android.support.design.widget.TabLayout

<http://stackoverflow.com/questions/31712563/error-inflating-class-android-support-design-widget-tablayout/32895215#32895215>

[9:01:46 PM] Sagar Patel: Sagar Patel

Wed, 10 May 2017

-Achievements

--Google+ logout from different activity

--ViewPager with dot indicator (Using views)

--Changing introduction texts along with introduction screens

--PopupMenu over view pager along with icons

--Demo screen for logIn and signUp

sagar patel

Thu, 11th May 2017

Achievements

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Project: WeenKm

- ViewPager animation on dot indicators with the help of Maulik Santoki
- Tried to make common custom class for custom PopUpMenu (Unfinished)
- Forgot Password layout Screen with Java file
- Verification layout screen
- Change Password layout Screen with Java file

Sagar Patel

Fri, 12th May 2017

Objectives

Project WeenKm

layouts and java files for below screen done

- Add business layout screen
- Booking
- Profile
- add address
- edit address
- add business
- select language

102. Button with shadow

Shadow button shadow btn shadow

Ripple

Material

Provided by android

<http://stackoverflow.com/questions/26346727/android-material-design-button-styles>

Second answer

<http://stackoverflow.com/questions/15333529/how-to-provide-shadow-to-button>

Custom

First answer

<http://stackoverflow.com/questions/15333529/how-to-provide-shadow-to-button>

Awesome flexibility!

<http://stackoverflow.com/questions/26346727/android-material-design-button-styles>

style, elevation, translationZ, stateListAnimator and selector are AOI.

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We can include selector inside ripple as well!

We can set background inside style as well!

Sagar Patel

Fri, 19th May 2017

Project: _ WeenKm

Achievements: _

- Button customization for intro screen
- Solved space problem of skip text in arabic locale
- Set View Pager compatible for RTL Direction
- Replaced old buttons of login, signup and forgot password screen
- Added session management for future reference

English font in Right to left direction android

<http://stackoverflow.com/questions/10964488/how-to-make-the-text-direction-from-right-to-left>

<http://stackoverflow.com/questions/6302221/android-setting-with-textview-for-hebrew-text>

Static values get killed when the application gets killed!

<http://stackoverflow.com/questions/1944369/android-static-object-lifecycle>

21-05-17

- Improved UI of home screen while arabic language is set
- Changing language will set indicator to first page
- Textviews are now changing smoothly and immediately with language change
- Phone number without password will not call API now

So, better to manage with sharedPreferences?

Queries: _

1

2 Why alignParentBottom is taking full height of root view bypassing actual parent height in intro screen?

Android animation

<https://www.raywenderlich.com/128105/introduction-android-animations>

How scale animation works

<http://blogs.innovationm.com/scale-animation-in-android-how-it-works/>

Various screen transitions like view pager

<https://developer.android.com/training/animation/screen-slide.html>

Simple translate animation like view pager

<https://stackoverflow.com/questions/35540454/overridependingtransition-right-to-left-slide-with-depth-in-the-activity>

Tuesday, 23-05-17

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Sign Up Password and confirm password arabic rtl right to left layout alignment

<https://stackoverflow.com/questions/38729964/rtl-password-fields-android>

<https://stackoverflow.com/questions/17838216/android-rtl-password-fields>

Button size can be increased by giving padding!

Business screen on press of create business text

Queries: Add business screen UI

Submit button of add business screen in center of rest available space or fixed below google plus or fixed above bottom?

Select delivery options and select rental option toggle switch should be of android default type or same as of iOS?

Add business logo wheather of fixed size or wrap content?

Open keyboard only on touch. Add below attribute to root layout.

Tags: _ keyboard, touch, open, layout, activity, automatic

android:focusableInTouchMode="true"

Crop image in circular mode, get and set round, circular image

Cropping image while selecting is better UI instead of selecting image and setting it rounded.

<http://www.androiddevelopersolutions.com/2012/09/crop-image-in-circular-shape-in-android.html>

Awesome third party library

<https://github.com/IsseiAoki/SimpleCropView>

Tue, 23rd May 2017

Sagar Patel

Achievements

Project: WeenKm

--Improvisation in UI of introscreen

--Business screen improvisation

--iOS style custom toggle switch

--R & D on crop image circular

--Setting up image for business logo (Unfinished)

--Switch selection remembering

Wed, 24th May 2017

Sagar Patel

Project: WeenKm

Following corrections has been done

--Seperator for text view: "OR"

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- Display: "Don't have an account? Sign up" in login screen
- Message - Please enter valid email.
- Message - Please confirm your password.
- Space between forgot password and login button
- Language popup position
- Language popup size
- Font color – checked, not black.
- Font Size and position from bottom same as "Would you like to add your business" in intro screen
- Solved an issue when entering wrong number and trying to login then all error messages were not displaying in top red message bar (Were displaying as toast)
- Yellow button font was not app font (changed in introscreen, login, sign up, forgot pw screen)

Add business screen

- Radius of all buttons in add business screen
- Common typeface
- Down arrow replacement
- Background color of add business logo circle
- Clickable area for: truck type, size, delivery, rental and payment options in add business screen
- colors for facebook, twitter and google detail in add business screen
- New 9patch images
- New xml for Select truck type
- New java for Select truck type

Brand colors

<https://brandcolors.net/>

Thu, 25th May 2017

- Crop image in circular mode but saving as of rectangle mode R & D
- Crop image in circular mode but saving as of rectangle mode implementation

Fri, 26th May 2017

Pick up required google play services only

<https://developers.google.com/android/guides/setup>

Fri, 26th May 2017

Sagar Patel

Project: Weenkm

Achievements: _

- Changed color codes in crop image view
- Select truck type xml and java
- Select truck size xml and java
- Optimization of Add business screen
- Reviewed Clickable area of truck type and truck size (image click turned on)
- Truck type screen: Got data without selection function

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- Replacement of signup object with json for signup, forgotpassword and new password
- Replaced all toast messages error of social integration with custom toast
- Multiple selection for select truck type done (Memorizing is pending)
- Selected item can be unselected on even tap
- Select payment xml and java files
- Custom radio buttons for select payment screen

Storing integer array list to sharedpreferences?

<https://stackoverflow.com/questions/7057845/save-arraylist-to-sharedpreferences>

Custom radio button

<https://stackoverflow.com/questions/19163628/adding-custom-radio-buttons-in-android>

Increase margin between radio button and text

<https://stackoverflow.com/questions/2134591/add-margin-between-a-radiobutton-and-its-label-in-android>

Mon, 29th May 2017

Sagar Patel

Project: WeenKm

Achievements

- Catching selected texts of select truck type
- Catching selected texts of select truck size
- Solving an issue of cancel button of Add business screen
- Now Truck size has radio button instead of multiple selection

--add address field to next and not to space/enter

Custom radio button style, selector, drawable, theme

Look also button tint option: `app:buttonTint="@color/ThemeYellow"`

It changes the selection color. Try it.

<https://stackoverflow.com/questions/3576507/is-it-possible-to-change-the-radio-button-icon-in-an-android-radio-button-group>

<https://stackoverflow.com/questions/12432553/radiobutton-how-to-use-a-custom-drawable>

<http://www.materialdoc.com/radio-button/>

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```
{ "c_user_id": "29", "login_token": "121212", "name": "The wall truck food", "description": "test", "average_cost": "50 rs on two.", "email": "wall98foodtruck@gmail.com", "street": "505,titanium square", "street2": "thaltej", "city": "Ahmedabad", "state": "Gujarat", "postal_code": "380054", "lat": "23.512", "lng": "72.145", "country_code": "91", "phone_number": "9800000000", "type": "1,2", "truck_size": "1", "is_delivery": "1", "is_rental": "1", "payment_type": "1", "facebook_url": "www.testfb.com", "twitter_url": "test", "google_url": "test", "delivery_advance_time": "30", "delivery_min_order_amount": "10", "delivery_order_charge": "5", "booking_in_advance": "30", "booking_min_guest": "10", "booking_max_guest": "50", "booking_cost_for_per_guest": "10", "truck_type": [{"truck_type_id": "2"}, {"truck_type_id": "4"}] &photo=null
```

Get title of radio button

post JSONArray using gson

<https://stackoverflow.com/questions/22009997/how-to-create-a-jsonarray-with-gson>

```
// creates RequestBody instance from file
RequestBody requestFile = RequestBody.create(MediaType.parse("multipart/form-data"), file);
// MultipartBody.Part is used to send also the actual filename
MultipartBody.Part body = MultipartBody.Part.createFormData("photo1", file.getName(), requestFile);
```

Tue, 30th May 2017

Sagar Patel

Project: Weenkm

Achievements:

- Merged two xml files into one
- Rebuilt payment screen
- Completed add business screen

Wed, 31st May 2017

Sagar Patel

Project: Weenkm

- solved webservice call and email validation conflict
- turned off remembering of delivery and rental option
- displayed progress loading for social login
- made payment option view clickable
- increased space in bottom of sign up screen
- changing animation of: gallery, type, size and payment (slide up and down)
- Discussed with raj pandya for social login issue
- Strings for menu items of home screen navigation drawer
- Tried to understand custom navigation drawer

Custom Navigation Drawer

<http://www.tutecentral.com/android-custom-navigation-drawer/>

Thu, 01st June 2017

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Sagar Patel

Project: Weenkm

--Made raw flow on implementation of slider

--Made raw design of slider

Fri, 02nd June 2017

Sagar Patel

Project: Weenkm

--To work on slider menu

--Placed circle image at 10:23

--Started to work on click listener for menu item at 10:23

--Trying to disable click event on group title and divider line from 10:30

--Custom listAdapter to disable particular header row 15

Disable particular item for click event in list view

enable false, disable, item, list view, listview

<https://stackoverflow.com/questions/17919130/how-to-disable-the-particular-list-item-in-list-view-in-android>

addHeaderView

<https://stackoverflow.com/questions/8670102/android-listview-header-disable-click>

Using getViewTypeCount(), create multiple sectionHeaders

<http://stacktips.com/tutorials/android/listview-with-section-header-in-android>

<http://codetheory.in/android-dividing-listview-sections-group-headers/>

<http://android.pcsalt.com/header-listview-using-baseadapter-android/>

Working demo. To disable click on header, use areAllEnable to false and isEnabled according to instance of condition true and false in adapter.

<https://github.com/krrishnaaaa/ListViewHeader/>

Non-scrollable list view under scroll view

<https://stackoverflow.com/questions/18813296/non-scrollable-listview-inside-scrollview>

Why passing context or activity variable can lead memory leak?

Activity, context, memory leak

<https://stackoverflow.com/questions/7666589/using-getresources-in-non-activity-class>

As a basic rule of thumb sure, but I feel this is somewhat misleading. `Context` objects are nasty because it is not immediately obvious if it is application-wide or activity-wide. Memory leaks (and crashes) occur when you supply the wrong one. For example, supplying an `Activity` to a static object which needs a `Context` and said object isn't destroyed when the `Activity` is leads to the `Activity` persisting after `onDestroy`, since it cannot be GCed due to this other static object. So yes, it can be dangerous, but knowing *why* it is dangerous I feel is important to mention here.

rd

Sat, 03 June 2017,

Sagar Patel

Achievement

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Project: Weenkm
--Finalized UI of Navigation drawer in home screen
--Implemented logIn and signUp API in the same

Mon, 05th June 2017
Sagar Patel
Achievement
Project: WeenKm
--Local broadcast for slider android
--Twitter without app R & D

<https://stackoverflow.com/questions/8802157/how-to-use-localbroadcastmanager>

Twitter webview

<https://stackoverflow.com/questions/40255801/tweeting-from-android-application-without-twitter-app>
<https://stackoverflow.com/questions/8774650/how-to-retrieve-a-twitter-users-name-using-twitter-4j>
<http://www.ongraph.com/blog/how-to-integrate-twitter-in-android/>

Working:

<https://stacktips.com/tutorials/android/how-to-integrate-twitter-in-android-application>
<https://www.learn2crack.com/2014/06/android-twitter-integration.html>

Tue, 06th June 2017
Sagar Patel
Project: Weenkm
Achievements:
--Spacing between icons and texts
--Middle on click
--small i in logIn
--Small right arrow icon
--Text close to separator
--Twitter without app integration
--Shadow implementation on navigation drawer
--Stop animation on social logIn to homescreen
--Prevent navigation drawer main screen being dark
--Twitter Authorization problem when user denies
--Delay handling while logIn to HomeScreen
--Navigation drawer main screen measure
--Layout for edit profile and data binding
--Arabic translation upto sign up screen

Tue, 06th June 2017
Sagar Patel
Project: Weenkm
Achievements:
--UI improvement for HomeScreen
--Twitter without app integration
--Shadow implementation on navigation drawer
--Stopped animation on social logIn to homescreen
--Prevent navigation drawer main screen being dark faded away
--Twitter Authorization problem when user denies
--Delay handling while logIn to HomeScreen

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--Navigation drawer main screen measure
--Layout for edit profile and data binding
--Arabic translation upto sign up screen

Get Active session for twitter

<https://stackoverflow.com/questions/9514413/verify-twitter-app-is-logged-in-on-android>
<https://twittercommunity.com/t/fabric-for-android-log-in-user-programatically-and-check-for-log-in/36955>
Get user data from active session of twitter

<https://dev.twitter.com/twitterkit/android/access-rest-api>
what is callback url for twitter

<https://twittercommunity.com/t/what-to-put-in-the-callback-url-for-android-app/469/3>
<https://dev.twitter.com/twitterkit/android/advanced-setup>
Authorize failed in twitter

<https://twittercommunity.com/t/getting-authorization-error-when-cancelling-from-twitter-authorization-using-fabric-sdk/31341/13>
Navigation drawer, Navigation view, ListView, RecyclerView, Shadow, Width, Measure, Layout, param, view

<https://stackoverflow.com/questions/21038058/android-set-navigation-drawer-list-to-open-exact-half-of-the-screen-for-all-devi>
<https://stackoverflow.com/questions/26562531/material-design-nav-drawer-width>

Wed, 07th June 2017

Sagar Patel

Project: Weenkm

Achievements:

--Arabic translation done
--Collected and reported all remaining strings without arabic locale
--Continued to EditProfileScreen
--Got data on EditProfileScreen
--Implemented image selection, circular crop and got real path

Thu, 08th June 2017

Sagar Patel

Project: Weenkm

---Worked on spinner of edit profile screen

--Android wheel

<https://code.google.com/archive/p/android-wheel/downloads>

<https://github.com/danny-source/android-wheel>

Android dialog with spinner radio type work

<https://stackoverflow.com/questions/13552081/how-do-i-make-a-button-to-create-a-new-spinner-on-click>

Fri, 09th June 2017

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Project: Weenkm

--Dialogs for edit profile screen

Change default text color, style etc... of alert dialog android

<https://stackoverflow.com/questions/27965662/how-can-i-change-default-dialog-button-text-color-in-android-5>

Dynamically create, add radio buttons

<https://stackoverflow.com/questions/19380526/how-to-add-radio-button-dynamically-as-per-the-given-number-of-counts>

<https://stackoverflow.com/questions/19929295/creating-radiogroup-programmatically>

Mon, 12th June 2017

Sagar Patel

Project: Weenkm

Achievements:

--Custom dialog with dynamic radio buttons

--R & D on RecyclerView with sticky header and index for Country View

<https://stackoverflow.com/questions/32358657/android-adding-radiobutton-into-radiogroup-dynamically>

<https://stackoverflow.com/questions/20193082/have-made-radio-button-dynamically-but-sometime-first-radio-button-is-not-able-t>

<https://stackoverflow.com/questions/25621670/dynamic-radio-group-to-checkchangelistener-is-not-working-and-also-not-showing-v>

<https://stackoverflow.com/questions/32673422/android-radio-buttons-not-displaying>

Programmatically set ButtonTint Color

<https://stackoverflow.com/questions/29801031/how-to-add-button-tint-programatically>

Recycler view with Sticky header and index

<https://github.com/edsilfer/sticky-index>

<https://github.com/TonicArtos/SuperSLiM> : Footer. onItemClickListener, onTouchListener

<https://github.com/timehop/sticky-headers-recyclerview> : : onItemClickListener, onTouchListener

<https://github.com/ShamylZakariya/StickyHeaders> : No onItemClickListener, onTouchListener

<https://github.com/edubarr/header-decor> : No onItemClickListener, onTouchListener

<https://github.com/captain-miao/RecyclerViewUtils> : onItemClickListener, onTouchListener

Split string, string array

<https://stackoverflow.com/questions/3732790/android-split-string>

<https://stackoverflow.com/questions/6965642/android-split-not-working-correctly>

Implemented:

<https://github.com/timehop/sticky-headers-recyclerview> : : onItemClickListener, onTouchListener

Bug:

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RecyclerView sticky header not showing first header

Solution: call Below code after finished bind the data

```
recyclerView.post(new Runnable() {  
    @Override  
    public void run() {  
        recyclerView.invalidateItemDecorations();  
  
        headersDecor.invalidateHeaders();  
    }  
});
```

Link:

<https://github.com/timehop/sticky-headers-recyclerview/issues/122>

RecyclerView fast scroll Index

<https://stackoverflow.com/questions/8192683/how-to-create-an-alphabetical-scrollbar-displaying-all-the-letter-in-android>

Tue, 13th June 2017

Sagar Patel

Project: Weenkm

--Replaced API Call response handling with new one everywhere

--RecyclerView sticky header

--RecyclerView sticky index

<https://stackoverflow.com/questions/8192683/how-to-create-an-alphabetical-scrollbar-displaying-all-the-letter-in-android>

Wed, 14th June 2017

Sagar Patel

Project: Weenkm

Achievements:

-- Replaced alert dialog with custom radio dialog in edit profile screen for gender selection

-- Set click listeners on parents of edit profile screen. Dispatched children clicks.

-- Got particular country data from list

-- API call correction for edit profile screen

-- Profile pic handling (Unfinished)

-- Solved drawer issue (Reworked to keep it open) (Partial)

Thu, 15th June 2017

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Project: Weenkm

Achievements:

-- Solved profile pic issue in edit profile

-- API Call in edit profile

-- Concise codes in various screens

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<https://stackoverflow.com/questions/39178028/android-dynamic-json-radio-button-select-only-one-value/39178384>

Real Path

/storage/emulated/0/WEENKM/Images/Images_20170614_145100.png

URIFromFile(new File(RealPath))

file:///storage/emulated/0/WEENKM/Images/Images_20170614_145100.png

already managing a googlepicclient with id 0

<https://stackoverflow.com/questions/36105118/already-managing-a-googlepicclient-with-id-0-in-fragment>

onActivityResult blank image android

(Try using Glide – Yes, it can be used for local image loading, handling too!

<https://stackoverflow.com/questions/32332003/glide-load-local-image-by-uri>

Hint: Just pass new File (realPath) in Url field of glide)

)

<https://stackoverflow.com/questions/17243538/setting-bitmap-to-imageview-onactivityresult-isnt-displaying-anything>

<https://stackoverflow.com/questions/25837199/onactivityresult-doesnt-update-imageview-in-android>

<https://stackoverflow.com/questions/11039453/android-cannot-set-gallery-image-to-imageview>

<https://stackoverflow.com/questions/13312782/image-captured-from-the-camera-is-not-showing-onactivityresult>

<https://stackoverflow.com/questions/42264204/bitmapfactory-cant-decode-a-bitmap-from-uri-after-photos-taken-on-android-nougat>

<https://commonsware.com/blog/2016/03/15/how-consume-content-uri.html>

<https://stackoverflow.com/questions/32263326/android-camera-empty-file-in-onactivityresult-method>

<https://stackoverflow.com/questions/21669141/camera-intent-onactivityresult-code-saves-blank-image-even-if-photo-was-not-ac>

InputStream, FileInputStream, BufferedInputStream, decodeStream, BitmapFactory, setImage

About requestLayout(), invalidate()

<https://stackoverflow.com/questions/13856180/usage-of-forcelayout-requestlayout-and-invalidate>

<https://stackoverflow.com/questions/34772580/not-able-to-load-image-when-captured-from-camera-second-time>

Blur image in glide

<https://stackoverflow.com/questions/34747733/images-using-glide-are-blurry>

Give size by override.

-----1-----

Glide placeholder is not loading, taking real image.

<https://stackoverflow.com/questions/36384789/glide-not-loading-real-image-and-stuck-with-placeholder>

apply dontAnimate().

Telephony manager

<https://www.javatpoint.com/android-telephony-manager-tutorial>

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HashMap

<https://www.javatpoint.com/java-hashmap>

Get key from HashMap (instead of value)

<https://stackoverflow.com/questions/6589744/how-to-return-a-list-of-keys-from-a-hash-map>

Compare integer, int

<https://stackoverflow.com/questions/12547201/comparing-integer-objects>

Fri, 16th June 2017

Sagar Patel

Achievements

Project: Weenkm

- Edit screen UI Improvement
- Kept last selection throughout application instead of screen
- Fixed when no changes happened in edit screen
- Solved API Conflict in age
- Solved placeholder issue with glide
- Set default country code
- Termination of animation in certain condition (Unfinished)

How to know if marshmallow dialog is opened, visible

<https://stackoverflow.com/questions/34235835/android-m-detect-if-permission-dialog-is-visible>

How to know if user has selected "never ask again" "do not ask again" to marshmallow dialog

<https://stackoverflow.com/questions/30719047/android-m-check-runtime-permission-how-to-determine-if-the-user-checked-nev>

Sat, 17th June 2017

Sagar Patel

Objective

Project: Weenkm

- To resolve age conflict
- To manage back stacks
- To prevent animation on marshmallow dialog

Create xml, get Java. Xml to java

<https://www.buzzingandroid.com/tools/android-layout-finder/>

Sat, 17th June 2017

Sagar Patel

Achievements

Project: Weenkm

- Resolved age conflict
- Managed back stacks
- Managed country data
- Tried to prevent animation on marshmallow dialog (Unfinished)

Mon, 19th June 2017

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Sagar Patel
Achievements
Project: Weenkm

- Improved UI in edit profile
- Resolved country data conflicts
- Understood new screen
- Prepared xml file
- Bound java file
- Merged into adapter
- Prepared working flow
- Converted into chunks, parts

Find anything, variable, class, method, interface, declaration, usage etc... in android studio

It is known as symbol in keymap: Alt + ctrl + shift + N

Tue, 20th June 2017
Sagar Patel
Achievements
Project: Weenkm

- Completed bookmark screen and given for testing
- Improved UI as per given instructions
- Corrected following issues:
 - 1. Only that bookmark item should be removed on which user has clicked
 - 2. If bookmark has been removed from detail screen, it should be simultaneously be impacted in bookmark screen
 - 3. Clickable area of bookmark icon should be little bit more
 - 4. Bookmark list should be started with little bit more top margin as well side margins
 - 5. Bookmark Icon and text should not be overlap each other
 - 6. Reduce the top space of listview
 - 7. Load more will not show progress loading on the middle after first page
 - 8. load more displaying forever
 - 9. bookmark list api call should not be called after returning from detail screen but though, it should be updated! (Unfinished)

Wed, 21st June 2017
Sagar Patel
Achievements
Project: Weenkm

- Removed interface callback between bookmark list screen and detail screen
- Implemented local broadcast between bookmark list screen and detail screen
- Organized changes i have made in food truck list adapter and bookmark list fragment

Local broadcast

<http://www.coderzheaven.com/2016/03/01/local-broadcast-events-with-localbroadcastmanager-in-android/>
<https://www.intertech.com/Blog/using-localbroadcastmanager-in-service-to-activity-communications/>
<http://www.truiton.com/2014/09/android-service-broadcastreceiver-example/>
<https://stackoverflow.com/questions/8802157/how-to-use-localbroadcastmanager>
Arrange, format, order variables, methods as defined, declared, usage order

<https://www.jetbrains.com/help/idea/2017.1/rearranging-code-using-arrangement-rules.html>

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upto 12:35 faced issue with patel-appstest@gmail.com account bookmark detail data

Issue:

calling getBookmark on foodTruckModel gives "0" even after it is bookmarked (shouldn't be "1"?) and hence, it falls into else part of setBookmarkIcon in detail screen which stands for "unbookmark" action! So, it triggers broadcast before we actually remove bookmark! Going further.....where and when setBookmark is being called.....line 65, 68 in foodtruckbookmarkController..... Useful android shortcuts (Shortcut key is not defined here as it can be different but you can check it in keymap)

rearrange (not reformat) code : It will rearrange your code, class, method, variables etc... in standard rule. You can modify the rule too.

Find anything, even the variable, method anything: symbols: It is known as symbol. Check in keymap.

Fold your code. Collapse. Inline. Outline. It is known as folding in android studio. Check keymap.

Region: It is like pragma of iOS Xcode.

Ctrl + period to fold commented section explicitly.

Thu, 22nd June 2017

Sagar Patel

Project: Weenkm

--Resolved bookmark conflict

--Created table and inserted data for bookmark list

--Tried to get offline data

I think we already have "bookmark" field in our table.

when for loop of "getOfflineDetail" in foodTruckDetailController completes the execution, when we inspect "info", it gets "bookmark" value as of like "43"?! in its mColumnNameMap inspection. It is the result of getFoodTruckDetail query from "database" class.

However, when the execution completes and we get our "data" - the food truck model filled with values from "info", data gets bookmark and bookmarkId null!!!

while we are getting bookmarked list from server, why do we need to store received list in database as well?

Bookmark list -> API Call for bookmark list -> Save received list in new table having bookmark field along with all other fields presents? Then, when user clicks on detail from bookmark list, food truck model in detail screen will load data from database where we now have bookmark field as well?

Fri, 23rd June 2017

Sagar Patel

Project: Weenkm

Achievement:

--Resolved database reading issue

--Changed icon of bookmark to filled one

--Changed bookmark icon alignment

--Removed scroll indicator from select truck type screen

--Corrected UI of select truck type screen in terms of margin

--All "business" terms and occurrences have been replaced with associated "truck" terms

--Changed animation of homescreen to logIn and viceversa occurrence

--Resolved back arrow issue from bookmark screen

--Resolved issue of not getting user data from simple logIn to edit profile screen

--Homescreen to logIn screen and viceversa animation reverted back to prior

--Resolved an issue of Transparent title bar in bookmark

--Resolved an issue of not being able to see "No more data" when deleting all bookmark items one by one

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Mon, 26th June 2017

Sagar Patel

Project: Weenkm

- Delete query on database
- Settings screen
- Change password screen
- Address screen redirection from settings screen
- Custom toast for exit prompt

Tue, 27th June 2017

Sagar Patel

Project: Weenkm

Achievements:

- Custom toast to exit on double back tap
- Settings screen
- Change Password screen
- My address redirection
- Contact Us screen
- About Us screen
- Changed header style in country selection of edit profile screen
- Change language screen (Unfinished with bug)

Wed, 28th June 2017

Sagar Patel

Project: Weenkm

Achievements:

- UI of detail text in about us
- Arabic conversion when changing language
- Country search bar for edit profile
- UI of Text alignment for no bookmark corrected
- Arabic support
- New password now will not be allowed to match old password
- On success password change, user now will be redirected to settings screen
- Arabic support corrected for about us screen as well

Prevent View, UI being up with keyboard

<https://stackoverflow.com/questions/4207880/android-how-do-i-prevent-the-soft-keyboard-from-pushing-my-view-up>

Thu, 29th June 2017

Sagar Patel

Project: WeenKm

Achievements:

- Country screen similar to iOS done
- Contact Us submit button width correcte
- Text property for exit toast changed
- Localization for 23 screens

Fri, 30th June 2017

Sagar Patel

Project: Weenkm

Achievements:

- Country list UI changed

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- Edit profile to home profile pic issue solved with the help of maulik santoki
- Notification Screen with arabic support
- Share screen
- Contact us screen arabic support
- UI Correction

Intent share something with other app

<https://stackoverflow.com/questions/9948373/android-share-plain-text-using-intent-to-all-messaging-apps>

<https://www.niyati.com/blog/android-sharecompat/>

Get count of sharing

<https://stackoverflow.com/questions/42550848/intent-android-sharing>

List of intent.setType

<https://stackoverflow.com/questions/13065838/what-are-the-possible-intent-types-for-intent-settype>

Share image and text together

<https://stackoverflow.com/questions/20333186/how-to-share-image-text-together-using-action-send-in-android>

Get the language of keyboard

We can detect keyboard language and based on it, we can dynamically and instantly change layout direction.

<https://stackoverflow.com/questions/14775218/how-can-i-know-keyboard-language-en-fr>

<https://stackoverflow.com/questions/32949611/android-detect-softkeyboard-rtl-vs-ltr-language-direction>

<https://stackoverflow.com/questions/10964488/how-to-make-the-text-direction-from-right-to-left>

Get all edit text views of activity, fragment and set it all in one shot!

<https://stackoverflow.com/questions/7790487/method-to-get-all-edittxts-in-a-view>

<https://stackoverflow.com/questions/7784418/get-all-child-views-inside-linearlayout-at-once>

Difference between sparse array and has map

<https://stackoverflow.com/questions/40236489/difference-between-sparsearray-and-hashmap>

<https://stackoverflow.com/questions/25444226/difference-between-sparsearray-vs-arraylist>

<https://stackoverflow.com/questions/25560629/sparsearray-vs-hashmap>

How to iterate sparse array

<https://stackoverflow.com/questions/7999211/how-to-iterate-through-sparsearray>

Sat, 01st July 2017

Sagar Patel

Project: Weenkm

--Tried to optimize RTL support

--Added arabic support

Mon, 03rd July 2017

Sagar Patel

Project: Weenkm

--Arabic support for country list

--About us according to role

--Add food truck pre-filled information and field management

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--Privacy Policy and Terms & Condition screen

Tue, 04th July 2017

Sagar Patel

Project: Weenkm

Achievements

--+ sign has been added before country code for pre-filled form in add truck

--If last bookmark is removed from detail screen, no bookmark text will now appear.

--Default gender replaced by hint

--Clickable string in arabic has been corrected for intro and sign up screen

--Google+ hint in arabic corrected

--Enable rental option in arabic has been added

--Legal Statements of sign up screen is now clickable with proper action

Clickable, Url, Link, Styled, Different, spannable, style string

<http://androidcocktail.blogspot.in/2014/03/android-spannablestring-example.html>

Get last word of string

<https://stackoverflow.com/questions/4672806/java-simplest-way-to-get-last-word-in-a-string>

```
String test = "This is a sentence";
```

```
String lastWord = test.substring(test.lastIndexOf(" ") + 1);
```

Get first word of string

<https://stackoverflow.com/questions/5067942/what-is-the-best-way-to-extract-the-first-word-from-a-string-in-java>

```
String mystring = "the quick brown fox";
```

```
String arr[] = mystring.split(" ", 2);
```

```
String firstWord = arr[0]; //the
```

```
String theRest = arr[1]; //quick brown fox
```

Alternatively you could use the `substring` method of [String](#).

Different method of splitting string

<https://stackoverflow.com/questions/3732790/android-split-string>

```
String CurrentString = "Fruit: they taste good";
```

```
String[] separated = CurrentString.split(":");
```

```
separated[0]; // this will contain "Fruit"
```

```
separated[1]; // this will contain " they taste good"
```

You may want to remove the space to the second String:

```
separated[1] = separated[1].trim();
```

There are other ways to do it. For instance, you can use the `StringTokenizer` class (from `java.util`):

```
StringTokenizer tokens = new StringTokenizer(CurrentString, ":");
```

```
String first = tokens.nextToken(); // this will contain "Fruit"
```

```
String second = tokens.nextToken(); // this will contain " they taste good"
```

// in the case above I assumed the string has always that syntax (foo: bar)

// but you may want to check if there are tokens or not using the `hasMoreTokens` method

Find duplicate words in string

<http://javarevisited.blogspot.in/2015/07/how-to-find-duplicate-words-in-string-java.html>

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Fix ubuntu sound problem

<https://askubuntu.com/questions/170955/sound-settings-panel-empty-on-12-04>

How to solve it:

- 1
- 2 Uninstal pulseuadio package `sudo apt-get purge pulseaudio`
- 3
- 4 Remove audio dev team PPA `sudo ppa-purge ppa:ubuntu-audio-dev/ppa`
- 5
- 6 update source list and get new packages `sudo apt-get update` then `sudo apt-get upgrade`
- 7
- 8 install pulseaudio again `sudo apt-get install pulseaudio`
- 9
10. reboot `sudo shutdown now -r`

<https://askubuntu.com/questions/176295/sound-settings-is-missing-all-output-devices>

Right. `arecord` was the dodgy looking element here that I eventually found through `fuser`ing the sound files (see my question for my process). But I couldn't find what was causing `arecord` to start as root on boot. Here's how I did that:

- 1
- 2 Run `ps tree | less`
- 3
- 4 In that, type `/arecord` and press return to find the `arecord` process.
- 5
- 6 Press up once and you'll see its parent. In my case this was `randomsound`.

I installed `randomsound` a few days ago to generate extra entropy (for regenerating `/dev/random`) using my sound card. I had completely forgotten it was installed and I guess this was the first time I restarted since installing it.

In short `sudo apt-get remove randomsound` fixed it. PulseAudio can now grab my sound card and I can listen to some trashy europop while I work.

Multiple selectable text in strings

<https://stackoverflow.com/questions/28720117/multiple-clickable-links-in-textview-on-android>

Ripple effect on relative layout

<https://stackoverflow.com/questions/31940333/ripple-effect-does-not-work-in-relativelayout>

<https://stackoverflow.com/questions/41206007/apply-ripple-effect-on-click-of-a-relative-layout-which-already-has-a-background>

FileUriExposedException nougat

<https://stackoverflow.com/questions/38200282/android-os-fileuriexposedexception-file-storage-emulated-0-test-txt-exposed>

Wed, 05th July 2017

Sagar Patel

Project: Weenkm

Achievements:

Solved following bugs:

--Removed scroll indicators from select truck type, size and payment option

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- Resolved truck type validation
- Resolved truck type crash
- Showing pre-filled password in create truck for newly signed up user also
- Made Cancel and Crop texts small while setting up pic
- Resolved APET-Res problem in edit profile for string key of custom text view gender
- Reordered gender selection
- Arabic translation for gender selection
- Resolved an issue showing icon of last user
- Various String correction
- "Try again" error while creating truck
- Create food truck improvization simultaneously with backend changes

Thu, 06th July 2017

Sagar Patel

Project: Weenkm

Achievements:

- Created and added various strings for Server side arabic translation
- Replacement of old buttons with new custom buttons in various screens
- Resolved an issue while manually changing country code brings english country name to display
- Resolved re-selection of truck type list
- Nougat optional comments while image set up in profile/add truck
- status fail display style
- arabic for progress bar message

-----Pending-----

- Country list in arabic solution
- Remove selectedTruckTypeList array
- Nougat: select country layout problem

Collator to sort according to country locale

Tags: Sort list, Sort array list, order, orderwise, ascending, descending, local sort order alphabetical

<https://stackoverflow.com/questions/12889760/sort-list-of-strings-with-localization>

After using answer given by jan devork, start answer given by atif mahmood in below link. There will be two times collection.sort method called.

<https://stackoverflow.com/questions/9109890/android-java-how-to-sort-a-list-of-objects-by-a-certain-value-within-the-object>

Consider answer given by atif mahmood

```
if (LayoutDirection.getLayoutDirection(this) == View.LAYOUT_DIRECTION_RTL) {
    Collator arCollator = Collator.getInstance(getLocale()); //Your locale here
    arCollator.setStrength(Collator.PRIMARY); //desired strength
    Collections.sort(country_nameList, arCollator); /*TODO: Only string list allowed*/
    Collections.sort(countryModelArrayList, new Comparator<CountryModel>() {
        @Override
        public int compare(CountryModel o1, CountryModel o2) {
            // ## Ascending order
            return o1.getCountryName().compareToIgnoreCase(o2.getCountryName()); // To compare string values
            // return Integer.valueOf(obj1.empld).compareTo(obj2.empld); // To compare integer values
        }
    });
}
```

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```
// ## Descending order
// return obj2.firstName.compareToIgnoreCase(obj1.firstName); // To compare string values
// return Integer.valueOf(obj2.empld).compareTo(obj1.empld); // To compare integer values
}
});
}
```

Additional link:

<https://stackoverflow.com/questions/9377229/android-compare-special-letters>

Fri, 07th July 2017

Sagar Patel

Achievements:

Project: Weenkm

--Arabic country list correction

--Truck type, size and payment option have been managed in one screen with the help of maulik santoki

--AddBusinessScreen re-organized

Fix ubuntu sound problem. No sound driver or device listed.

<https://askubuntu.com/questions/426648/how-to-reinstall-pulseaudio-ubuntu-12-04>

You may need to install pavucontrol first or meanwhile anywhere like:

```
sudo apt-get install pavucontrol
```

From a [forum thread](#), open a terminal and type:

```
sudo apt-get purge pulseaudio
sudo apt-get clean && sudo apt-get autoremove
```

Reboot. Open a terminal again and type (ignore any errors with the `rm` command):

```
rm -r ~/.pulse ~/.asound* ~/.pulse-cookie ~/.config/pulse
sudo apt-get install pulseaudio
sudo alsa force-reload
pavucontrol
```

The last command should restart the PulseAudio server and launch a desktop application for its settings.

Another [thread](#) notes that there might be conflicts with IPv6. If so, then edit

`/etc/avahi/avahi-daemon.conf` and set `use-ipv6` to no:

```
[server]
use-ipv4=yes
use-ipv6=no
```

Restart the avahi-daemon (e.g., reboot again).

Make sure that the audio devices are not muted.

See also:

-
- <https://bbs.archlinux.org/viewtopic.php?id=127480>
-
- <http://itsfoss.com/fix-sound-ubuntu-1304-quick-tip/>
-
- http://www.troubleshooters.com/linux/sound/sound_troubleshooting.htm

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Bring volume icon on desktop shortcut right up above corner in ubuntu:

<https://askubuntu.com/questions/483397/missing-sound-volume-icon-on-screen-top-14-04>

For that, you may first need to install desktop like below:

```
sudo apt-get install ubuntu-desktop
```

From Cacus' answer above,run:

1

```
2 sudo apt-get install indicator-sound
```

3

4 From Tomvo's answer above do:

5

6

7

```
8 gsettings set com.canonical.indicator.sound visible true
```

9

10. To make sure audio setting is available in control center do:

11.

12.

13.

```
14. sudo apt-get install unity-control-center
```

15.

16. Logout and back in.

17.

18. Done!

Add android studio to the launcher pad of ubuntu

<https://askubuntu.com/questions/330781/how-to-create-launcher-for-application>

<https://askubuntu.com/questions/298857/how-to-add-android-studio-to-the-launcher>

Wed, 12th July 2017

Sagar Patel

Achievements:

Project: Weenkm

--R & D on url scheme

--Implemented url scheme

(Custom-) URL Scheme in android (deep linking)

Open your app or particular activity from another app

<https://developer.android.com/training/app-links/deep-linking>

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<https://developer.android.com/training/basics/intents/filters.html>

Data element in intent filter of manifest

<https://developer.android.com/guide/topics/manifest/data-element.html>

Deep linking

<https://developer.android.com/training/app-indexing/deep-linking.html>

Thu, 13th July 2017

Sagar Patel

Achievements:

Project: Weenkm

--Working on resolution where while redirecting user to weenkm through url scheme should sustain the weenkm app as newly opened app on top of the stack

--Resolution for not getting proper data while redirecting user from url scheme

--Resolution for the case: clear weenkm app data -> click on link -> app crash

--Resolution for the case: clear weenkm app data -> click on link -> empty data for food truck

--Resolution for the error: NumberFormatException {}

Fri, 14th July 2017

Sagar Patel

Achievements:

Project: Weenkm

--Working according to new api for url scheme (deep link) 0.5

--New insert query 0.5

--Delete if database already available 0.5

--Resolution for Null pointer exception

--Setting up data within insert query

--Resolution for incomplete data 0.5

--Resolution for no image 0.5

--Following cases checked: 1

From link:

----case 1: No database, offline: browser will not be opened

----case 2: No database, online: dedicated api for link only

----case 3: db exist, offline: browser will not be opened

----case 4: db exist, online: db will be deleted with food truck id where clause

From list:

----case 1: No database, offline: -----

----case 2: No db, online: default handling

----case 3: db exist, offline: available data will be shown

----case 4: db exist, online: default handling (update query)

--Back stack while from link: Tested ok? 0.5

--Redirecting user to login screen if not already logged in

--Changed animation while adding photos from gallery 0.5

--Changed animation while selecting image to add in detail screen

-- R & D to control default android ROM animation 0.5

--Changed the case of sign out (redirecting user to intro screen now) 0.5

--New arabic strings 0.5

--Read retrofit 1.5

--Read kotlin

--Read data binding library in android

--Investigation and resolution for "null" value for the newly registered user 0.5

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Sat, 15th July 2017

Sagar Patel

Achievements:

Project: Weenkm

- Arabic translation upto 1.5h
- Truck size response array in arabic upto 1h
- Added few more arabic strings upto 0.5h
- Truck type, Sort type and order type array locale support 1.5h
- Autologout issue 0.5h
- Investigation for unexpected alpha of title bar 1h

Mon, 17th July 2017

Sagar Patel

Achievements:

Project: Weenkm

- rid of : custom alpha of title bar : 1 h
- Solved UI problem for delivery and booking settings: 0.5h
- url field of create truck has been set to one line 2h
- line separator in arabic
- all static currency symbols of strings have been set to dynamic
- edit text field limits for all applicable screens as given 2h
- limit correction (set to only UI)
- arabic translation 2.5h+
- Read little bit of firebase for android
- Solved Auto logout backstack issue
- Arabic translation correction

Remove listener from recyclerview

```
rvFoodTruck.clearOnScrollListeners();
```

Tue, 18th July 2017

Sagar Patel

Achievements:

Project: Weenkm

- Tried to solve "Ice Cream" json space issue while displaying truck type in bookmark list
- R & D on Constraint layout for new demo app

org.json.JSONException: Unterminated object at character 30 of [{truck_type_id=13, name=Ice Cream}]

103. Android: Json string with spaces gives “Unterminated object at” exception

<https://stackoverflow.com/questions/7327069/android-json-string-with-spaces-gives-unterminated-object-at-exception>

<https://stackoverflow.com/questions/2593214/android-howto-parse-url-string-with-spaces-to-uri-object>

<https://stackoverflow.com/questions/6751681/problem-in-parsing-json-in-android>

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104. Constraint layout : Constraint to each other

http://www.techotopia.com/index.php/A_Guide_to_using_ConstraintLayout_in_Android_Studio

<https://blog.stylingandroid.com/constraintlayout-chains-spread-chains/>

<https://blog.stylingandroid.com/constraintlayout-part-1/>

<https://developer.android.com/training/constraint-layout/index.html>

Center view to each other in constraint layout

<https://stackoverflow.com/questions/43127189/constraintlayout-centering-views-with-next-to-each-other-vertically-or-horizon>

<https://medium.com/@loutry/guide-to-constraintlayout-407cd87bc013>

<https://android.jlelse.eu/centering-views-in-android-layouts-547930621de7>

<http://www.uwanttolearn.com/android/constraint-layout-concepts-hell-tips-tricks-part-2/>

<http://www.uwanttolearn.com/android/constraint-layout-animations-dynamic-constraints-ui-java-hell/>

Note that constraint layout along with coordinator layout and viewPager can give you some unexpected behavior due to library fault.

Also, same is applied to constraint layout and webView combination.

105. Constraint Rules

<https://medium.com/google-developers/building-interfaces-with-constraintlayout-3958fa38a9f7>

1. In order to execute chain through design tab, relative constraint must be empty in attributes. Do not give those constraints. It will be given by design tab.
Constraint the view from both respective sides to make it either horizontal or vertical to center of another view.
E.g. left - right constraint for horizontal center
2. To get bias, it is necessary that the view has relative constraint on both side. I.e., left-right constraint for horizontal bias
3. To get “chain style” working properly, relative attribute must be “0dp” (match_parent). I.e., layout_width would be “0dp” for horizontal center chain. And do not select all views. You can leave one view.
4. In order to get proper margin, it demands relative constraints!
5. In case if margin does not work, try padding!
6. Relative size 0dp, relative bias 0 and relative constraint size default to be wrap are essential attributes to set for toStart/toEnd properties

<https://stackoverflow.com/questions/46037039/constraintlayout-avoid-overlapping>

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106. Programmatically set constraints

Constraint layout

Clear desired constraint if already

<https://stackoverflow.com/questions/44685816/removing-adding-constraint-programmatically-in-constraintlayout>

```
set = new ConstraintSet();
set.clone(mConstraintLayout);
set.clear(R.id.ctv_heading, ConstraintSet.END);
set.clear(R.id.ctv_heading, ConstraintSet.RIGHT);
set.connect(ctvHeading.getId(), ConstraintSet.RIGHT, R.id.cbtn_apply, ConstraintSet.LEFT, 0);
//target id, left constraint, reference id, constraint to the reference id, margin
// it's right of ctv heading to the left of cbtn apply
set.connect(ctvHeading.getId(), ConstraintSet.END, R.id.cbtn_apply, ConstraintSet.START, 0);
set.setHorizontalBias(ctvHeading.getId(), 0f);
set.applyTo(mConstraintLayout);
```

Use both left/start end/right

<https://stackoverflow.com/questions/46052263/changing-constraintlayout-childrens-margin-and-size-programmatically>

http://www.techotopia.com/index.php/Managing_Constraints_using_ConstraintSet#Constraint_Sets

<https://stackoverflow.com/questions/44442760/dynamically-changing-the-constraint-of-a-view-in-constraintlayout>

<http://www.zoftino.com/adding-views-&-constraints-to-android-constraint-layout-programmatically>

19th July 2017

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Achievements:

Project: Demo

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--Worked on given UI

Material elevation for pre-lollipop

<https://stackoverflow.com/questions/30778189/how-to-implement-the-material-design-elevation-for-pre-lollipop>

Android Custom view guide

<https://developer.android.com/training/custom-views/create-view.html>

Working with constraint chain

http://www.techotopia.com/index.php/Working_with_ConstraintLayout_Chains_and_Ratios_in_Android_Studio

Material I/O

<https://material.io/guidelines/components/buttons.html#buttons-style>

Thu, 20th July 2017

Sagar Patel

Achievements:

--Worked on given UI

107. Coordinator layout

The best tutorial I have ever found: InTheCheeseFactory design support codelab tutorial:

https://inthecheesefactory.com/blog/android-design-support-library-codelab/en?fb_comment_id=978095595556398_979412402091384

First direct child of coordinator layout must be appBarlayout for desired working cooperation between both.

There is a bug due to which children of nested scrolling view under coordinator layout with appBar behavior will not take first click event

https://stackoverflow.com/questions/32806078/android-nestedscrollviews-child-views-ignoring-first-click?utm_medium=organic&utm_source=google_rich_qa&utm_campaign=google_rich_qa

<https://issuetracker.google.com/issues/37051723>

And here is the fix

<https://gist.github.com/chrisbanes/8391b5adb9ee42180893300850ed02f2>

And here is the fix for recyclerView in that case

<https://stackoverflow.com/questions/46452465/android-the-item-inside-recyclerview-cant-be-clicked-after-scroll>

<https://gist.github.com/chrisbanes/8391b5adb9ee42180893300850ed02f2>

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Also, if `recyclerview` is unable to scroll, give it height as `match_parent` or `minHeight` as some fixed dp, preferably according to screen height.

<https://stackoverflow.com/questions/38067859/scroll-not-working-in-coordinatorlayout>

Otherwise, below are few links to learn more:

Coordinator layout tab layout tablayout viewpager fragments recyclerview

No need to use `NestedScrollView` to support recyclerview and coordinator layout behavior

<https://www.loopwiki.com/ui-ux-design/android-coordinatorlayout-examples/>

<http://saulmm.github.io/mastering-coordinator>

<https://scotch.io/@nexmobility/concept-and-use-of-coordinator-layout-in-android>

https://github.com/codepath/android_guides/wiki/Handling-Scrolls-with-CoordinatorLayout

<http://www.journaldev.com/12790/android-coordinatorlayout>

<http://www.androidauthority.com/using-coordinatorlayout-android-apps-703720/>

<https://android-developers.googleblog.com/2015/05/android-design-support-library.html>

<https://medium.com/@beraldofilippo/android-coordinatorlayout-scroll-aware-fab-f0c6264a5ed1>

<http://frogermcs.github.io/instamaterial-meets-design-support-library/>

Note that constraint layout with coordinator layout as root (parent) viewgroup is not working properly though!

Also, `fitsSystemWindow true` can add some unexpected but obvious padding/margin/blank space

108. Constraint layout: view over another view like fab

Tags: one view textview imageview over on another view textview imageview like fab button for in constraintlayout

<http://myhexaville.com/2017/02/15/android-constraintlayout-take-2/>

```
1 app:layout_anchor="@id/app_bar"
2 app:layout_anchorGravity="bottom|end"
```

In `ConstraintLayout` it's those two lines

```
1 app:layout_constraintTop_toBottomOf="@+id/app_bar"
2 app:layout_constraintBottom_toBottomOf="@+id/app_bar"
```

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109. Coordinator layout + tab layout

<http://www.journaldev.com/12958/android-tablayout-viewpager>

110. Appbar layout

Appbar must be first direct child of coordinator layout in order to take proper benefits together.

<https://android.jlelse.eu/scrolling-behavior-for-appbars-in-android-41aff9c5c468>

<http://www.journaldev.com/12858/android-tablayout-appbarlayout>

<http://saullmm.github.io/mastering-coordinator>

111. Collapsetoolbar layout

<http://www.journaldev.com/13927/android-collapsingtoolbarlayout-example>

<https://antonioleiva.com/collapsing-toolbar-layout/>

<http://saullmm.github.io/mastering-coordinator>

<http://frogermcs.github.io/instamaterial-meets-design-support-library/>

<http://karthikraj.net/2016/12/24/scrolling-behavior-for-appbars-in-android/>

111.1. Note:

Tags: coordinator appbar collapsing toolbar fixed toolbar nestedScrollView scrolls toolbar along with it
collapsing toolbar collapseMode pin mode is not working properly on toolbar

Attention!

If you are going to use coordinator layout as root parent, appbar layout, collapsing toolbar layout and nested scrollview with scrollview behavior for coordinator layout and you want to set something like fixed toolbar on top of the screen, collapsing image and then nested scroll view at bottom to it, to get desired behaviour that is nested scroll view should be scrolled underneath fixed toolbar, **do not use include tag** as it will be then resulted into something like nested scroll view will scroll toolbar as well along with it when being scrolled in upside...

Also, you will have to give **fixed height to the appbar layout & match parent height to both collapsing toolbar and it's child image view** same as the maximum height you want for your image being used as collapsing view.

For further detail, you can go to below link:

<https://github.com/chrisbanes/cheesesquare>

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I hope, you could understand!

112. Android CoordinatorLayout + AppBarLayout + ViewPager always scrolling

<https://stackoverflow.com/questions/32648051/android-coordinatorlayout-appbarlayout-viewpager-always-scrolling>

Reflection in android

<https://code.tutsplus.com/tutorials/learn-java-for-android-development-reflection-basics--mobile-3203>

<https://medium.com/genymobile/mirror-easy-reflection-for-java-and-android-923f54b1f165>

View pager under scroll view

<https://stackoverflow.com/questions/7381360/is-it-possible-to-have-a-viewpager-inside-of-a-scrollview>

<https://stackoverflow.com/questions/32161047/tablalayout-and-viewpager-in-scrollview-not-scrolling-vertically>

<https://android.jlelse.eu/scrolling-behavior-for-appbars-in-android-41aff9c5c468>

Detect when child reaches top or bottom in scroll view

<https://stackoverflow.com/questions/36143802/how-to-detect-the-position-of-the-scroll-nestedscrollview-android-at-the-bottom>

<https://stackoverflow.com/questions/28597688/detect-the-top-of-a-scrollview>

<https://stackoverflow.com/questions/30932296/detect-if-view-is-scrolled-out-of-the-screen>

<https://stackoverflow.com/questions/4953692/android-detecting-when-scrollview-hits-bottom>

<https://stackoverflow.com/questions/30295827/detect-scroll-view-reaching-its-top-android>

how to make child of scrollview sticky when reaches to top android

<https://stackoverflow.com/questions/41281380/how-to-make-one-of-child-view-of-nestedscrollview-to-sticky-header>

Using just xml!

<https://stackoverflow.com/questions/30416829/fix-an-element-on-scrollview>

Sticky header

<https://github.com/emiljolander/StickyScrollViewItems>

<https://stackoverflow.com/questions/43488802/scrolling-with-sticky-header>

113. Overlay view over other view with scrolling behavior in coordinator layout

```
app:behavior_overlapTop="30dp"
```

114. Layout behavior in coordinator layout

Case:

<http://www.journaldev.com/12858/android-tablalayout-appbarlayout>

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- Layout behavior in Coordinator layout without the statement `app:layout_behavior="@string/appbar_scrolling_view_behavior"` would overlap the LinearLayout with the AppBarLayout.

115. Change default behavior of coordinator layout

<http://www.journaldev.com/12790/android-coordinatorlayout>

116. Setting app:layout_behavior programmatically

<https://stackoverflow.com/questions/33707337/setting-applayout-behavior-programmatically>

layout behavior

<https://www.bignerdranch.com/blog/customizing-coordinatorlayouts-behavior/>

117. Scroll aware fab by coordinator behavior

Show and or hide view button widget with scroll of viewPager recyclerView listView in coordinator layout

<https://medium.com/@beraldofilippo/android-coordinatorlayout-scroll-aware-fab-f0c6264a5ed1>

118. Coordinator behavior: change view according to toolbar by coordinator behavior

<https://github.com/saulmm/CoordinatorBehaviorExample>

119. Coordinator layout fixed bottom view issue:

119.1. Footer (bottom) view scrolls off the screen

<https://stackoverflow.com/questions/30777698/android-footer-scrolls-off-screen-when-used-in-coordinatorlayout/37293634#37293634>

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<https://stackoverflow.com/questions/35576290/fix-bottom-bar-in-coordinatorlayout>

119.2. Fixed fab like view in one fragment

1. Fixed view at the bottom of fragment which is a part of viewPager that is a child of coordinator layout goes out of the screen at bottom and behaves like scrolling along with scroll area of fragment whereas it should stay fix at bottom like fab instead of having scrolling behavior

<https://stackoverflow.com/questions/37493215/fix-view-in-viewpagers-content-layout-under-coordinatorlayout/37541050>

120. Difference between Button with image, ImageButton, and clickable ImageView?

<https://stackoverflow.com/questions/9420431/difference-between-button-with-image-imagebutton-and-clickable-imageview>

121. how to put scroll view in collapsing toolbar layout in android?

<https://stackoverflow.com/questions/43114169/how-to-put-scroll-view-in-collapsing-toolbar-layout-in-android>

122. fitSystemWindows

<https://medium.com/google-developers/why-would-i-want-to-fitssystemwindows-4e26d9ce1eec>

<https://stackoverflow.com/questions/28236178/translucent-navigation-bar-lollipop-fitssystemwindows-true>

<https://stackoverflow.com/questions/20822418/android-4-4-translucent-status-navigation-bars-fitssystemwindows-cliptopaddi>

Note that it can add some unexpected but obvious padding/margin/blank space

123. How can i implement Collapsing layout with tabs without a list view?

<https://stackoverflow.com/questions/44193141/how-can-i-implement-collapsing-layout-with-tabs-without-a-list-view>

Smooth scroll for appBar layout + collapsetoolbar + tab layout (Yes, the difference is considerable!!!)

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<https://github.com/ksoichiro/Android-ObservableScrollView>

<https://github.com/henrytao-me/smooth-app-bar-layout>

<https://github.com/noties/Scrollable>

<https://stackoverflow.com/questions/41767337/collapsing-toolbar-not-scrolling-smoothly-as-i-expand-it>

Reflection demo:

```
try{
    Method method = context.getClass().getMethod("setOverScrollMode",int.class);
    Field field = context.getClass().getField("OVER_SCROLL_NEVER");
    if(method!=null && field!=null){
        method.invoke(viewpager,field.getInt(View.class));
    }
}
catch(Exception e){
}
}
```

<https://stackoverflow.com/questions/18716177/is-there-a-way-to-disable-fading-that-a-viewpager-has-scroll-to-edges>

124. How to disable scrolling of NestedScrollView&CollapsingToolbarLayout, for example when there is no more content below?

<https://stackoverflow.com/questions/33631168/how-to-disable-scrolling-of-nestedscrollviewcollapsingtoolbarlayout-for-exampl/34421687#34421687>

Disable scrolling of scrollview

<https://stackoverflow.com/questions/33631168/how-to-disable-scrolling-of-nestedscrollviewcollapsingtoolbarlayout-for-exampl>

<https://stackoverflow.com/questions/34108501/how-to-disable-scrolling-of-appbarlayout-in-coordinatorlayout>

<https://stackoverflow.com/questions/18893198/how-to-disable-and-enable-the-scrolling-on-android-scrollview>

<https://stackoverflow.com/questions/5763304/disable-scrollview-programmatically>

<https://stackoverflow.com/questions/18652692/how-to-disable-scrollview-scrolling>

<https://learnpainless.com/android/scrollview/create-custom-scrollview-to-enable-or-disable-scrolling>

Stop scrolling for certain point

<https://stackoverflow.com/questions/24587894/android-stop-scroll-on-certain-position>

<https://stackoverflow.com/questions/3948934/synchronise-scrollview-scroll-positions-android>

Dynamic height of viewpager for each tab

<https://stackoverflow.com/questions/35242681/android-viewpager-with-dynamic-height>

Set max limit height for scrollview

<http://chintanrathod.com/maxheightscrollview-in-android-using-android-studio/>

[4:04:49 PM] Maulik Santoki: Dialog Full screen

125. Android make Dialog fullscreen with status bar showing

<https://stackoverflow.com/questions/35304893/android-make-dialog-fullscreen-with-status-bar-showing>

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RecyclerView with sticky header

<https://stackoverflow.com/questions/32949971/how-can-i-make-sticky-headers-in-recyclerview-without-external-lib>

Tuesday, 25th July 2017

Sagar Patel

Achievements

--Worked on given UI

126. Flinging with RecyclerView + AppBarLayout

<https://stackoverflow.com/questions/31236614/smooth-animated-collapsing-toolbar-with-android-design-support-library>

<https://stackoverflow.com/questions/30923889/flinging-with-recyclerview-appbarlayout>

<https://issuetracker.google.com/issues/37051417>

<https://github.com/henrytao-me/smooth-app-bar-layout>

Detect up or down scroll motion event

<https://stackoverflow.com/questions/28025571/detect-scroll-from-unscrollable-view-in-motionEvent>

Header in listView to give collapse toolbar like effect

<https://stackoverflow.com/questions/27070079/expand-collapse-lollipop-toolbar-animation-telegram-app>

127. Smooth animated Collapsing Toolbar with Android Design Support Library

Coordinated layout + AppBarLayout + Collapsing toolbar layout + View pager + RecyclerView

<https://stackoverflow.com/questions/31236614/smooth-animated-collapsing-toolbar-with-android-design-support-library>

(Answer of Mak sing can be more effective)

<https://stackoverflow.com/questions/30923889/flinging-with-recyclerview-appbarlayout>

<https://stackoverflow.com/questions/32465548/add-app-bar-scrolling-view-behavior-to-multiple-views-in-coordinatorlayout>

Post data and header before posting

Content-Type: application/x-www-form-urlencoded

[post_data={"name":"S73","login_token":"B5"}](#)

Thu, 28th July 2017

Sagar Patel

Project: Demo

Objective

-To work on given UI

How to transfer velocity of nestedscrollview to the collapsetoolbarlayout

128. CollapsingToolbarLayout doesn't recognize scroll fling

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<https://stackoverflow.com/questions/31795483/collapsingtoolbarlayout-doesnt-recognize-scroll-fling>

<https://issuetracker.google.com/issues/37058076>

22-28-07-17-11-09

Everything seems working as expected. Seems fling issue has been solved for recyclerView and drag issue for nested scroll view of fragment.

Had to merge: <https://stackoverflow.com/questions/31795483/collapsingtoolbarlayout-doesnt-recognize-scroll-fling>

Answer of wchristiansen (Solution for fling through nestedscrollview)

And: <https://stackoverflow.com/questions/30923889/flinging-with-recyclerview-appbarlayout>

Answer of Mak Sing (Solution when the recyclerView reaches top)

Issue: Fling through nestedscrollview is not working after reaches top!

Weak references

129. How to use WeakReference in Java and Android development?

<https://stackoverflow.com/questions/3243215/how-to-use-weakreference-in-java-and-android-development>

Inspired by below question and description:

130. Fling smoothly AppBarLayout with NestedScrollView using AppBarLayout.Behavior

<https://stackoverflow.com/questions/36052307/fling-smoothly-appbarlayout-with-nestedscrollview-using-appbarlayout-behavior>

Got the solution as: if velocity is < 0; set consumed to false!

Recyclerview of fragment is under frame layout but other contents of tab can be under nested scroll view.

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131. how-to-create-a-callback-method-to-send-data-from-fragment-to-the-activity

<https://github.com/surfer190/fixes/blob/master/android/how-to-create-a-callback-method-to-send-data-from-fragment-to-the-activity.md>

132. Difference between onScroll() and onFling() of GestureDetector

<https://stackoverflow.com/questions/28098737/difference-between-onscroll-and-onfling-of-gesturedetector>

From below, one can get Answer of [Pierre that has been merged to transfer velocity of nested scroll view when it reaches top to the app bar layout](#)

<https://stackoverflow.com/questions/30923889/flinging-with-recyclerview-appbarlayout>

Thu, 28th July 2017
Sagar Patel
Project: Demo
Achievements
-Worked on given UI

133. Tablayout without viewpager

Tags: bottom toolbar, tablayout, tabs, tab, layout, tab layout, without viewpager view pager

<http://www.theappguruz.com/blog/easy-way-to-create-tab-layout-in-android-without-viewpager>

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134. Auto Sliding Tabs

Auto sliding images tabs tab layout tablayout viewpager

<https://github.com/saeedsh92/Banner-Slider>

135. Remove padding/margin of toolbar/tablayout

Tags: start left right end padding margin appBar toolbar tablayout remove toolbar padding margin

<https://stackoverflow.com/questions/27354812/android-remove-left-margin-from-actionbars-custom-layout>

```
<android.support.v7.widget.Toolbar
    xmlns:app="schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@color/primaryColor"
    android:contentInsetLeft="0dp"
    android:contentInsetStart="0dp"
    app:contentInsetLeft="0dp"
    app:contentInsetStart="0dp"
    android:contentInsetRight="0dp"
    android:contentInsetEnd="0dp"
    app:contentInsetRight="0dp"
    app:contentInsetEnd="0dp" />
```

```
<android.support.v7.widget.Toolbar xmlns:app="schemas.android.com/apk/res-auto"
    android:layout_width="match_parent" android:layout_height="wrap_content"
    android:background="@color/primaryColor" android:contentInsetLeft="0dp"
    android:contentInsetStart="0dp" app:contentInsetLeft="0dp" app:contentInsetStart="0dp"
    android:contentInsetRight="0dp" android:contentInsetEnd="0dp" app:contentInsetRight="0dp"
    app:contentInsetEnd="0dp" />
```

<https://stackoverflow.com/questions/42383966/remove-tablayout-left-and-right-padding>

```
<android.support.design.widget.TabLayout
    app:tabPaddingStart="0dp"
    app:tabPaddingEnd="0dp"/>
```

136. Prevent viewpager to initialize next fragment

Tags: stop prevent auto automation init initialization initialize fragment viewpager view pager

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Answer by paul burke

<https://stackoverflow.com/questions/25667657/viewpager-call-setuservisiblehint-after-first-fragment-is-loaded>

137. Proper method to call api while using tablayout without viewpager

Tags: stop prevent auto automation init initialization initialize fragment tablayout tab layout tabs

Use

```
tabLayout.addOnTabSelectedListener(new TabLayout.OnTabSelectedListener() {  
    @Override  
    public void onTabSelected(TabLayout.Tab tab) {  
        setCurrentTabFragment(tab.getPosition());  
    }  
});
```

```
@Override  
public void onTabUnselected(TabLayout.Tab tab) {  
    }  
}
```

```
@Override  
public void onTabReselected(TabLayout.Tab tab) {  
    }  
});
```

138. Give RecyclerView a dynamic margin

Tags: dynamic margin for recyclerview

<https://stackoverflow.com/questions/38985346/set-margin-on-recyclerview-programmatically>

139. Px to Dp and vice versa

<https://stackoverflow.com/questions/4605527/converting-pixels-to-dp>

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140. Programmatically get actionBarSize

<https://stackoverflow.com/questions/12301510/how-to-get-the-actionbar-height>

141. Animation for fragment

<https://stackoverflow.com/questions/4817900/android-fragments-and-animation>

142. Forward and reverse animation on fragment according to backstack

<https://stackoverflow.com/questions/10886669/how-to-reverse-fragment-animations-on-backstack>

Monday, 31st July 2017

Sagar Patel

Achievements

Project: weenkm

--Updated arabic strings

Project: Demo

--Worked on given UI

143. Animation on ImageView like Facebook

Tags: Android spring animation, rebound, origami

```
ActivityOptionsCompat options = ActivityOptionsCompat.makeSceneTransitionAnimation(  
    activity, transitionView, DetailActivity.EXTRA_IMAGE);  
ActivityCompat.startActivity(activity, new Intent(activity, DetailActivity.class),  
    options.toBundle());
```

<https://gist.github.com/willbailey/8811581>

<https://github.com/graviton57/DynamicAnimationExample>

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<https://stackoverflow.com/questions/33387982/android-image-preview-animation-similar-to-facebook>

<https://stackoverflow.com/questions/22192291/how-to-change-the-status-bar-color-in-android>

144. Android: Dex cannot parse version 52 byte code

<https://stackoverflow.com/questions/37020413/android-dex-cannot-parse-version-52-byte-code>

145. Android Animation: Translate: xdelta and ydelta

<http://www.programering.com/a/MTM1QjNwATE.html>

<http://blog.csdn.net/xuewater/article/details/36392391>

146. Animation: Image click, pinch, double tap

<http://www.androidcodinghub.com/2017/03/android-image-galley-app-with-swipe.html>

<https://github.com/MikeOrtiz/TouchImageView>

147. RecyclerView: StaggeredGridLayout

<http://abhiandroid.com/materialdesign/recyclerview-as-staggered-grid-example.html>

148. Animation: Rebound on ImageView

Tags: Animation like Spring, rebound, origami, WeChat, facebook, gallery, back to, stick, re-attach, attach, instagram, google

```
ActivityOptionsCompat options = ActivityOptionsCompat.makeSceneTransitionAnimation(  
    activity, transitionView, DetailActivity.EXTRA_IMAGE);
```

```
ActivityCompat.startActivity(activity, new Intent(activity, DetailActivity.class),  
    options.toBundle());
```

<https://github.com/antoniolg/MaterialEverywhere>

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https://github.com/alexvasilkov/GestureViews?utm_source=android-arsenal.com&utm_medium=referral&utm_campaign=2705

<https://www.youtube.com/watch?v=ebAno8nxbTg>

<https://gist.github.com/willbailey/8811581>

https://github.com/githubwing/DragPhotoView?utm_source=android-arsenal.com&utm_medium=referral&utm_campaign=4969

<http://parallelcross.com/post/96597851715/springy-animations-with-facebook-rebound-for>

149. Uneven grid row column

<https://stackoverflow.com/questions/36514887/layoutmanager-for-recyclerview-grid-with-different-cell-width>

150. Android GridView

<https://www.raywenderlich.com/127544/android-gridview-getting-started>

151. Gradient background

Tags: Multiple colors

151.1. Through XML

https://android--code.blogspot.in/2015/01/android-button-background-color_11.html

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151.2. Dynamic (Programmatically)

<https://android--code.blogspot.in/2015/01/android-button-gradient-color.html>

152. Gradient background issue from lollipop

<https://stackoverflow.com/questions/27384655/android-gradient-on-lollipop-not-working-api-21/39310717>

<https://issuetracker.google.com/issues/37007621>

153. Gradient Animation like instagram

Tags: breathing animation gradient color transition

<http://www.viralandroid.com/2017/04/animated-gradient-background-in-android.html>

<https://medium.com/@daniele.orlando/how-to-implement-a-login-like-instagram-transition-background-gradient-e833291cb00a>

<https://github.com/danieleorlando/GradientTransition>

154. Ripple support and hack

<https://blacklenspub.com/styling-appcompat-button-fab-with-ripple-effect-c6f811eca2f5>

05th Aug 2017

1. Keep adjust view bounds true in order to get different height every time and then check for the same in log.
2. While performing enter animation, check giving alpha animation to rootView.

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155. StaggeredGridLayout: Predefined Height?

<https://stackoverflow.com/questions/33265986/dynamically-setting-a-fixed-height-for-a-staggered-grid-view>

156. Fragment from ViewPager for backstack

Working for nested fragment-viewpager-fragment-viewpager as well with same line of code!

Tags: Nested fragment viewpager fragment backstack backpress

Fragment Back press exits activity

Prevent activity being exited while pressing back from fragment

<https://stackoverflow.com/questions/28309298/fragment-return-null-in-viewpager-setonpagechangelistener>

157. Typed class, Generic class, Class<T>

Tags: What is that <xyz>, <T> ?

Answer given by kanagavelu sunugumar

<https://stackoverflow.com/questions/462297/how-to-use-classt-in-java>

158. Tablayout with ViewPager inside fragment

<https://stackoverflow.com/questions/31641979/using-tablayout-inside-a-fragment-tab-text-invisible>

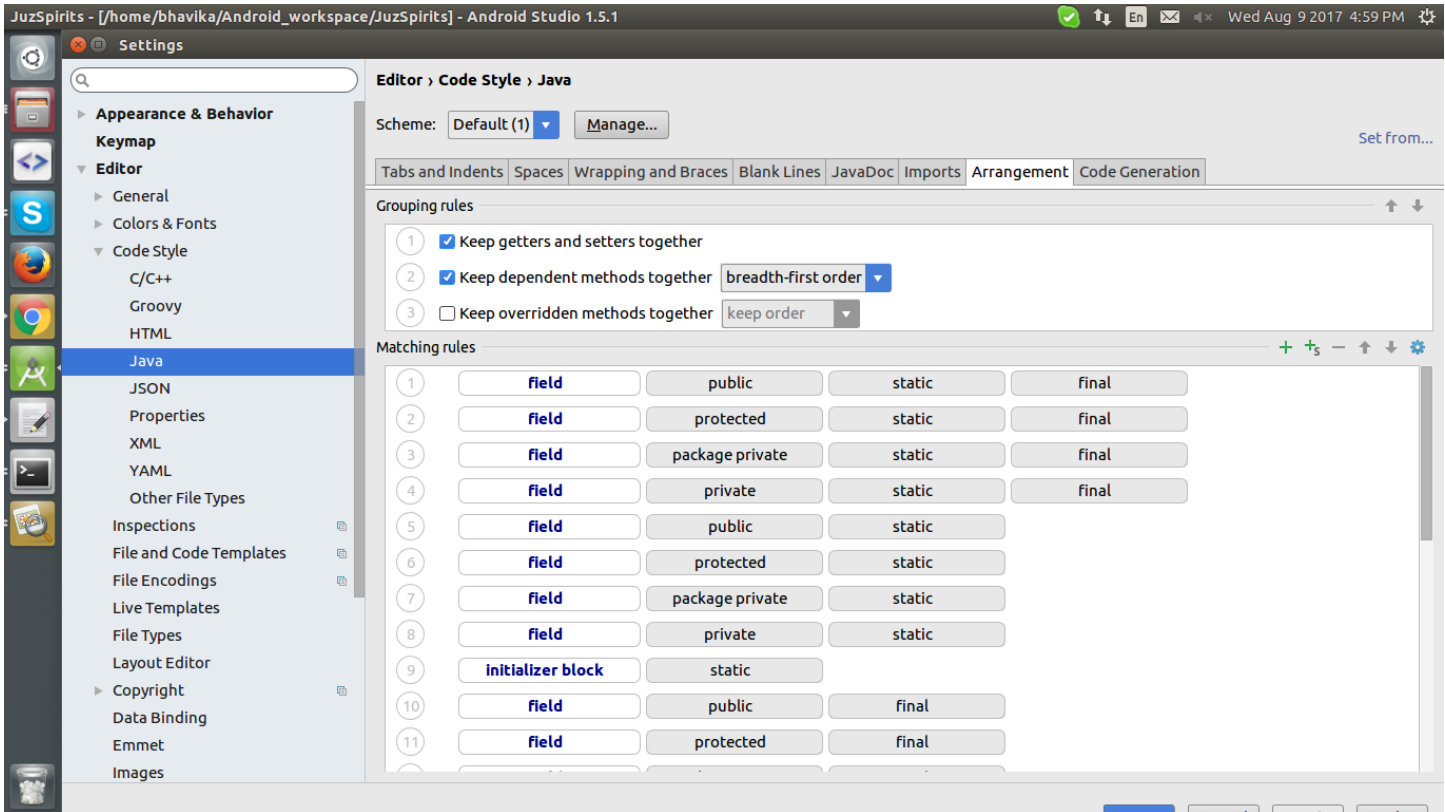
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159. Arrange code in android studio



Settings -> editor -> code style -> java -> arrangement -> check keep dependent methods together with breadth first order.

160. Action bar moving down while replacing with fragment

Tags: appBar toolbar tablayout actionBar gets top margin moves down changing fragment from one fragment to another fragment

Do `android:fitsSystemWindows="false"` for fragment on which you have set Coordinator layout!

OR

Make every fragment with coordinatorlayout as parent (root) layout?!

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161. Keep toolbar, hide tablayout like whatsapp in CollapseToolBarLayout

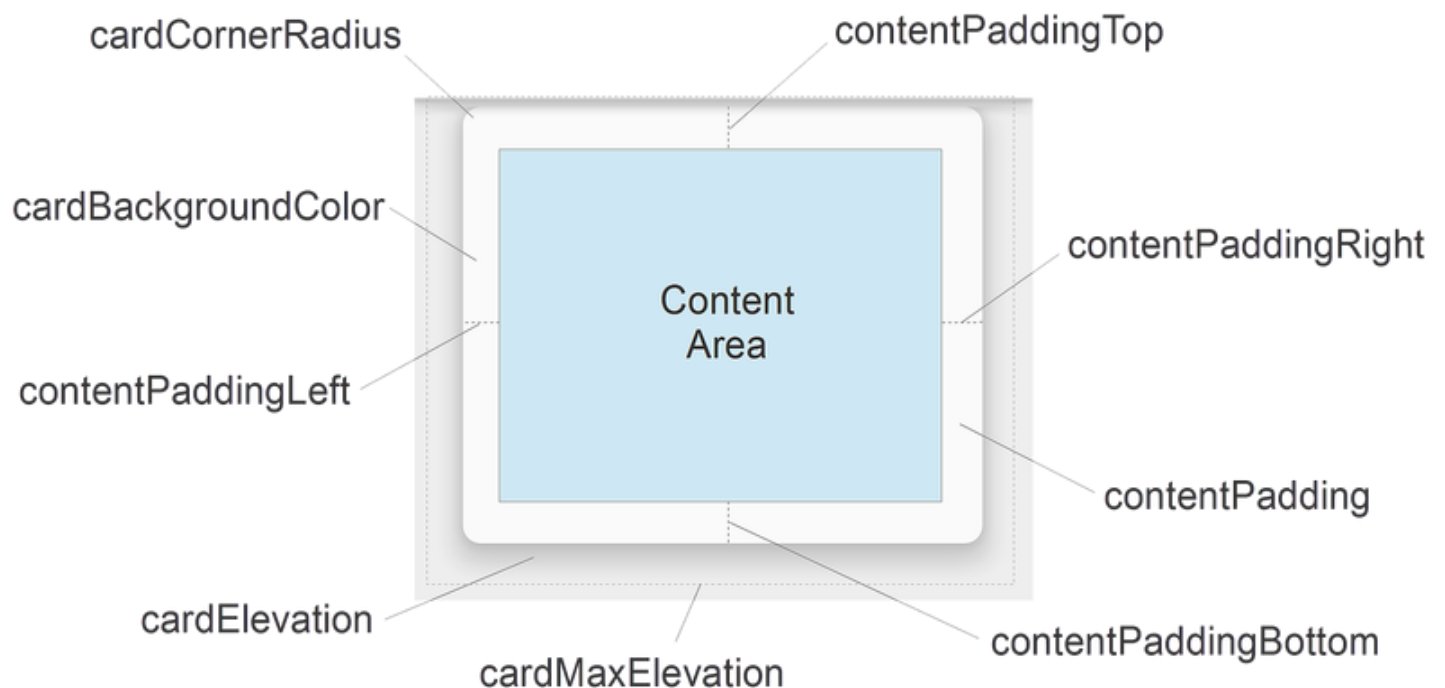
<https://stackoverflow.com/questions/33009127/hide-tablayout-on-scroll-of-content-instead-of-toolbar>

Simple, Take the toolbar out of coordinator and appBar.

162. Keep both toolbar and tablayout in CollapseToolBarLayout

<https://gist.github.com/iPaulPro/1468510f046cb10c51ea>

163. CardView



163.1. Extra padding/margin in cardView

```
cardPreventCornerOverlap="false"  
cardUseCompatPadding="true"
```

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<https://androidtutorialmagic.wordpress.com/android-material-design-tutorial/removing-extra-space-from-cardviewandroid-support-v7-widget-cardview-in-android/>

164. Extra left right start end horizontal padding margin in pre-lollipop, below api 21

Cardview

<https://android.jlelse.eu/using-full-width-cards-to-maximize-content-f739cb863ce8>

165. When to use fragment Vs Activity?

<https://stackoverflow.com/questions/20306091/dilemma-when-to-use-fragments-vs-activities>

Use wisely!

166. Custom Tablayout TabStrip SlidingTabStrip TabIndicator Tab Layout

<https://github.com/ogaclejapan/SmartTabLayout>

https://github.com/Andy671/Dachshund-Tab-Layout?utm_source=android-arsenal.com&utm_medium=referral&utm_campaign=5297

<https://github.com/astuetz/PagerSlidingTabStrip>

<http://www.tellmehow.co/bubble-tab-animation-library-android/>

<https://stackoverflow.com/questions/31889672/android-design-support-library-tablayout-using-custom-tabs-layout-but-layout-wra>

```
tabLayout.getTabAt(0).setCustomView(R.layout.aquablue);
```

<https://demonuts.com/custom-tablayout/>

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166.1. Dots for Tab layout and ViewPager Combination

<https://medium.com/techsuzu/auto-slider-with-indicator-in-android-a28153d42125>

It is easy. Just use

```
app:tabBackground="@drawable/indicator_selector"
```

167. Various animation for buttons according to loading state

<https://github.com/wasabeef/awesome-android-ui/blob/master/pages/Button.md>

168. Animation: WindowContentTransition: True

https://github.com/codepath/android_guides/wiki/Shared-Element-Activity-Transition

169. How to change android tab typeface

<https://stackoverflow.com/questions/31857952/how-to-embed-font-in-tab-layout-from-design-support-android>

170. Debug Method Tracing

Tags: launch time performance measure speed time activity fragment method

<https://stackoverflow.com/questions/21322207/how-does-setoffscreenpagelimit-improve-viewpager-performance-by-retaining-more>

http://magicmicky.github.io/android_development/benchmark-using-traceview/

171. Launch time performance

171.1. Find launch time

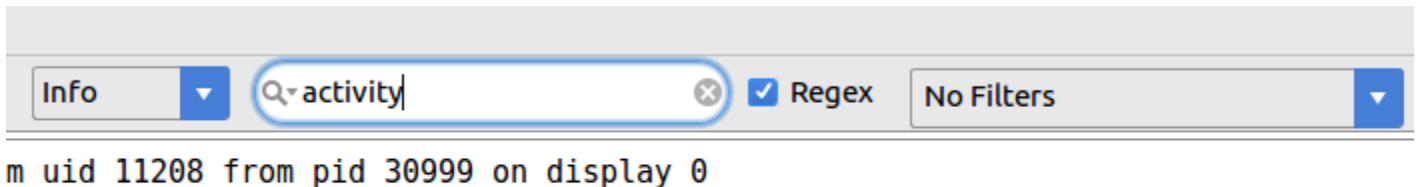
<https://developer.android.com/topic/performance/launch-time.html#heavy-act>

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```
ActivityManager: Displayed com.android.myexample/.StartupTiming: +3s534ms (total +1m22s643ms)
```

171.2. ViewStub

<https://developer.android.com/reference/android/view/ViewStub.html>

171.3. How to use ViewStub

<http://abhiandroid.com/ui/viewstub>

172. Communication between activity and fragment

Tags: Send data from Activity to fragment and fragment to activity fragment activity fragment

<https://developer.android.com/training/basics/fragments/communicating.html>

<https://stackoverflow.com/questions/40237415/how-to-get-callback-from-activity-back-to-fragment-using-interface/40238172#40238172>

<https://stackoverflow.com/questions/9343241/passing-data-between-a-fragment-and-its-container-activity>

173. Current visible fragment from viewpager

<https://stackoverflow.com/questions/39143087/how-to-get-the-current-fragment-displayed-in-a-specific-tab-of-a-viewpager>

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174. ViewStub ViewPager Fragments

<https://medium.com/@raymondctc/android-performance-lazy-inflating-fragment-with-viewstub-b51b2682ec0c>

175. ViewStub must have a non-null ViewGroup viewParent

<https://stackoverflow.com/questions/23783101/how-to-check-if-a-viewstub-is-already-inflated>

176. Complex Synchronous and Asynchronous thread progress among fragments in viewpager

<http://www.devexchanges.info/2015/07/android-update-ui-in-viewpager.html>

177. Memory optimization

<https://hsc.com/Blog/Best-Practices-For-Memory-Optimization-on-Android-1>

<https://developer.android.com/topic/performance/memory.html>

178. Send Data from Activity to viewpager fragment

<https://stackoverflow.com/questions/14727759/send-values-from-viewpager-activity-to-a-fragment-by-bundle>

179. View more at end of textview to expand and collapse

Tags: Expandable textview view more view less at the end of textview

<https://stackoverflow.com/questions/19675331/add-view-more-at-the-end-of-textview-after-3-lines>

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180. Spannable String

Tags: style string clickable url part of string text character underline text string

<http://androidcocktail.blogspot.in/2014/03/android-spannablestring-example.html>

<https://inducesmile.com/android-tips/android-how-to-strike-through-or-cross-out-a-text-in-android/>

180.1. SpannableString or SpannableStringBuilder not working if textView has textAllCaps = "true" property! - Bug!

<https://stackoverflow.com/questions/29007746/button-settext-with-spannable-doesnt-work-for-android-5-0-lollipop>

180.2. Spannable Typeface font

Change typeface for part of textview, string

It does not work with Typeface. It requires Typefacespan. Specifically, CustomTypefaceSpan.

<https://stackoverflow.com/questions/10675070/multiple-typeface-in-single-textview>

<https://stackoverflow.com/questions/13578710/set-different-font-and-color-to-part-of-a-textview>

181. unregistered on api console android

Tags: ? W/Auth: [GetToken] GetToken failed with status code: UNREGISTERED_ON_API_CONSOLE
E/TokenRequestor: You have wrong OAuth2 related configurations, please check. Detailed error:
UNREGISTERED_ON_API_CONSOLE

<https://stackoverflow.com/questions/40997205/unregistered-on-api-console-while-getting-oauth2-token-on-android>

182. API Response LinkedHashMap Gson JSON Json API

Tags: How to json object array tree gson

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183. Gson from JSON

```
{
  "result":
  {
    "message": "",
    "status": "success",
    "data":
    {
      "outlet_id": "1",
      "name": "Bigstreet",
      "photo":
      "http://192.168.0.14/juzeatz/uploads/images/1708/I3jhGXA2nH0yZtLaUi8PR4yC\_FvoJ1OR.jpeg",
      "banner_photo":
      "http://192.168.0.14/juzeatz/uploads/images/1708/rrVOuKPiW9FOonBkKZEiqWFBByFGLy9H.jpg",
      "description": "Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.",
      "street": "jalan besar",
      "street2": "Toya patoh",
      "city": "Singapore",
      "state": "Singapore",
      "postal_code": "190001",
      "lat": "15.5487",
```

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```
"lng": "45.178",
"timezone": "+05:30",
"country_code": "65",
"phone_number": "99874585212",
"email": "bigstreet@gmail.com",
"website": "www.bigstreet.com",
"is_dine_in": "1",
"is_take_away": "1",
"is_delivery": "1",
"is_reservation": "1",
"is_order": "1",
"dine_in_advance_time": "30",
"dine_in_min_order_amount": "250",
"take_away_advance_time": "30",
"take_away_min_order_amount": "250",
"delivery_advance_time": "30",
"delivery_order_charge": "20",
"delivery_min_order_amount": "250",
"reservation_advance_time": "40",
"payment_type": "1",
"public_transit": "near International Airport",
"working_hour":
{
  "monday": [
```

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```
{  
  
  "start_time": "03:00",  
  
  "end_time": "05:00"  
  
}  
  
,  
  
{  
  
  "start_time": "00:00",  
  
  "end_time": "00:00"  
  
}  
  
,  
  
{  
  
  "start_time": "00:00",  
  
  "end_time": "00:00"  
  
}  
  
],
```

```

    "thursday": [

        {

            "start_time": "04:00",

            "end_time": "05:00"

        }

    ],

    "tuesday": [],

    "wednesday": [],

    "friday": [],

    "saturday": [],

    "sunday": [],

}

,

"outlet_avg_rating": "3.5",

"outlet_review_count": "8",

"category": "1,2,4,3",

"cuisine_type": "3",

"working_status": "CLOSED",

"today": "saturday",

"bookmark": "1",

"review_data":

```

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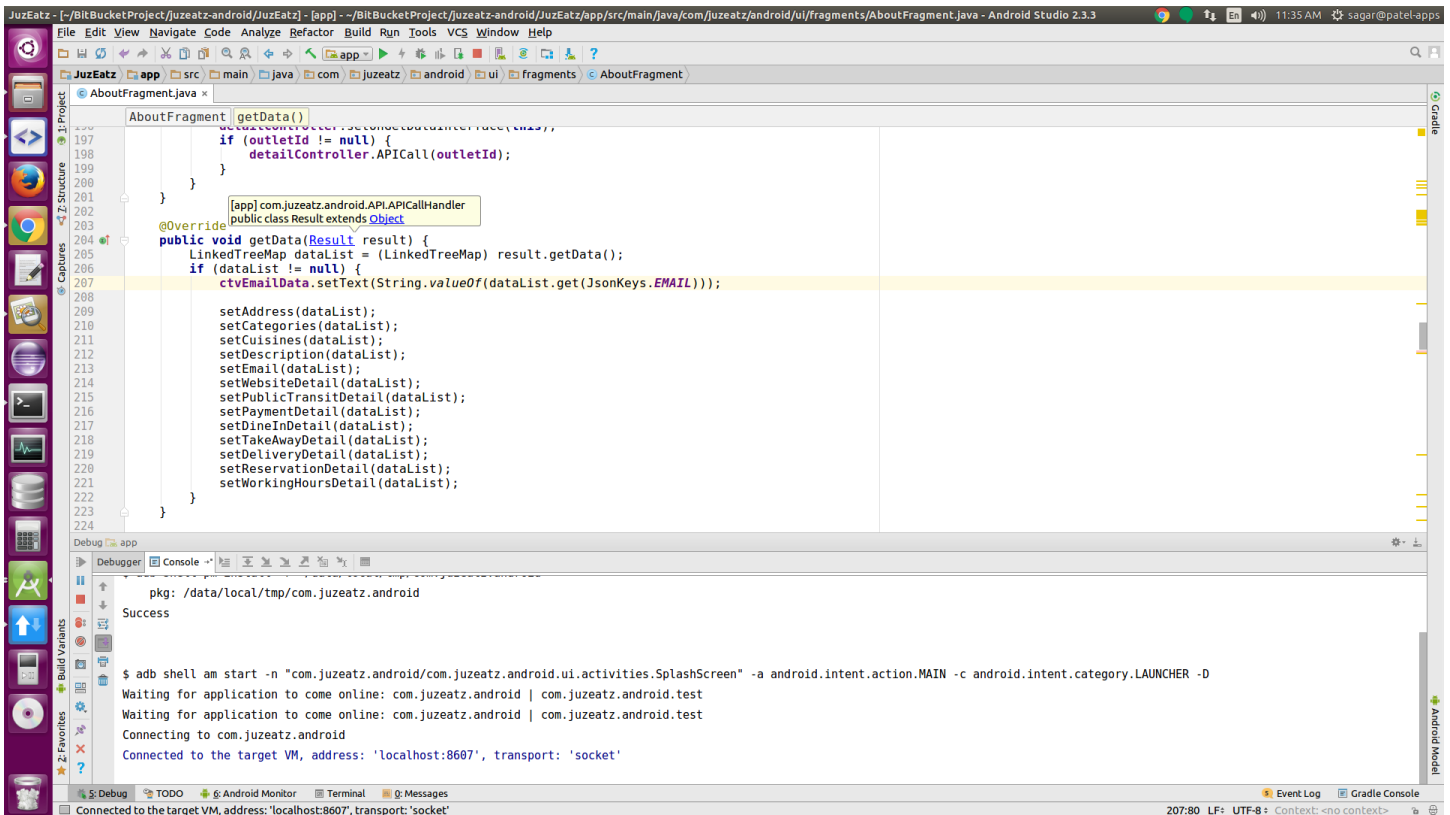
```
{
  "outlet_rating_id": "1",
  "review": "nice service",
  "outlet_rating": "5",
  "c_date": "2017-08-23 06:26:37",
  "full_name": "user1",
  "photo":
    "http://192.168.0.14/juzeatz/uploads/images/1708/JSgXC7ULZBDCHKMHnYfiBQKn6Wjq5rhD.jpeg"
}
,
"outlet_share_url":
"http://192.168.0.14/juzeatz/r/?o=bVBwK0tMd3JNbIBOR2pOT1pVdXRDdz09"
}
}
}
```

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```

LinkedTreeMap dataList = (LinkedTreeMap) result.getData();
if (dataList != null) {
    ctvEmailData.setText(String.valueOf(dataList.get(JsonKeys.EMAIL)));

```

```

JsonObject jsonObjectWorkinghrs = ((new
Gson()).toJsonTree(dataList.get(JsonKeys.WORKINGHOUR)).getAsJsonObject());
JSONArray jsonArrayMonday = jsonObjectWorkinghrs.getAsJSONArray(JsonKeys.MONDAY);
JsonObject startTimeObject = (JsonObject) jsonArrayMonday.get(0);
String startTime = String.valueOf(startTimeObject.get(JsonKeys.START_TIME));

```

startTime will give ""03:00"" - note additional double quotation marks

OR

```

LinkedTreeMap workinghours = (LinkedTreeMap) dataList.get(JsonKeys.WORKINGHOUR);
String workinghourString = "";
int i = 0;
for (String day : AppConstants.DAYS) {
    String timeString = "";
    List<LinkedTreeMap> dayMap = (List<LinkedTreeMap>) workinghours.get(day);

```

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```
for (LinkedTreeMap timeObj : dayMap) {  
    timeString +=  
        ConvertDateTimeFormat.convertWorkingHours(String.valueOf(timeObj.get(JsonKeys.START_TIME  
)), String.valueOf(dataList.get(JsonKeys.TIMEZONE))),  
        AppConstants.dateFormat.SERVER_DATE_FORMAT_TIME)  
        + " "  
        + getResources().getString(R.string.to).substring(0, 1).toUpperCase() +  
        getResources().getString(R.string.to).substring(1)  
        + " "  
        +  
        ConvertDateTimeFormat.convertWorkingHours(String.valueOf(timeObj.get(JsonKeys.END_TIME)),  
        String.valueOf(dataList.get(JsonKeys.TIMEZONE))),  
        AppConstants.dateFormat.SERVER_DATE_FORMAT_TIME);  
  
    if (i < dayMap.size() - 1) {  
        timeString += "," + " ";  
    }  
    // else {  
    //     timeString += "\n";  
    // }  
    i++;  
}  
  
if (timeString.length() == 0 || timeString.equalsIgnoreCase("")) {  
    timeString = getResources().getString(R.string.closed);  
}  
  
workinghourString += String.valueOf(Html.fromHtml("<table>\t<tr><br>\n" +  
    "\t\t<td style='padding-right: 20px;'># : \t</td>\n" +  
    "\t\t<td>@\t</td>\n" +  
    "\t</tr><br></table>")).replace("#", day.substring(0, 1).toUpperCase() +  
day.substring(1)).replace("@", timeString);  
}
```

184. Load Html style in android

<http://stackandroid.com/tutorial/how-to-load-html-css-string-in-a-webview/>

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185. Website in Browser

```
public static void openCustomTabsIntent(Activity activity, String url) {  
    CustomTabsIntent.Builder builder = new CustomTabsIntent.Builder();  
    builder.setToolbarColor(Deprecation.getColor(activity, R.color.ThemeColor));  
    CustomTabsIntent customTabsIntent = builder.build();  
    if (appInstalledOrNot(activity, "com.android.chrome")) {  
        customTabsIntent.intent.setPackage("com.android.chrome");  
    }  
    customTabsIntent.launchUrl(activity, Uri.parse(url));  
}
```

186. Email with “To” recipient

```
public void method_email(String subject, Activity activity, String email) {  
    Intent emailIntent = new Intent(Intent.ACTION_SENDTO);  
    emailIntent.setData(Uri.parse(getResources().getString(R.string.mailto) + email));  
    emailIntent.putExtra(Intent.EXTRA_SUBJECT, subject);  
    activity.startActivity(emailIntent);  
}
```

187. Differentiate between tap (click) and swipe in tablayout with viewpager like facebook

<https://stackoverflow.com/questions/45882279/how-can-i-separate-tablayout-and-viewpager-actions>

188. JobScheduler to replace services while targeting oreo and up

<https://developer.android.com/about/versions/oreo/background.html>

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189. Tablayout: Set selectedTabText bold and set unselectedTabText regular

Call `setTabText(0)` to set first tab text bold by default.

```
private ViewGroup vg; //SlidingTabStrip
private int tabsCount;
private int i;
private int j;
private ViewGroup vgTab; //TabView
private int tabChildCount;
private View tabViewChild; //Each tabView child has two children. ImageView and TextView

private void setTabText(int selectedTab) {
    vg = (ViewGroup) tabLayout.getChildAt(0); //vg = slidingTabStrip
    tabsCount = vg.getChildCount(); //Numbers of tabs
    for (j = 0; j < tabsCount; j++) {
        if (j != selectedTab) {
            vgTab = (ViewGroup) vg.getChildAt(j); //All tabViews one by one
            tabChildCount = vgTab.getChildCount(); //Each tab has 2 children, ImageView and TextView
            for (i = 0; i < tabChildCount; i++) {
                tabViewChild = vgTab.getChildAt(i);
                if (tabViewChild instanceof TextView) {
                    ((TextView) tabViewChild).setTypeface(TypefaceInstance.getRegularFont());
                }
            }
        } else {
            vgTab = (ViewGroup) vg.getChildAt(selectedTab); //Particular TabView
            tabChildCount = vgTab.getChildCount(); //Each tab has 2 children, ImageView and TextView
            for (i = 0; i < tabChildCount; i++) {
                tabViewChild = vgTab.getChildAt(i);
                if (tabViewChild instanceof TextView) {
                    ((TextView) tabViewChild).setTypeface(TypefaceInstance.getBoldFont());
                }
            }
        }
    }
}
```

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```
}
```

```
viewPager.addOnPageChangeListener(new ViewPager.SimpleOnPageChangeListener() {  
    @Override  
    public void onPageScrolled(int position, float positionOffset, int positionOffsetPixels) {  
        super.onPageScrolled(position, positionOffset, positionOffsetPixels);  
    }  
  
    @Override  
    public void onPageSelected(int position) {  
        setTabText(position);  
    }  
  
    @Override  
    public void onPageScrollStateChanged(int state) {  
        super.onPageScrollStateChanged(state);  
    }  
});
```

190. Local broadcast manager

Context that contains receiver must be initialized before context that sends local broadcast manager.

191. Transfer click event to parent view

Tags: pass bypass transfer click event onClick click listener to parent view

To child view:

```
android:clickable="false"  
android:focusable="false"
```

To parent view:

```
android:clickable="true"
```

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android:focusable="true"

Take ImageButton if it is ImageView! And do not set onClickListener for the view whose click event you want to pass to its parent layout/view.

192. CollapseToolbarLayout

Tags: collapse toolbar layout when user clicks on tab

```
public void collapseToolbar() {
    CoordinatorLayout.LayoutParams params = (CoordinatorLayout.LayoutParams)
    appBarLayout.getLayoutParams();
    final AppBarLayout.Behavior behavior = (AppBarLayout.Behavior) params.getBehavior();
    if (behavior != null) {
        topBottomOffset = behavior.getTopAndBottomOffset();
        if (isExpanded) {
            ValueAnimator valueAnimator = ValueAnimator.ofInt();
            valueAnimator.setInterpolator(new DecelerateInterpolator());
            valueAnimator.addUpdateListener(new ValueAnimator.AnimatorUpdateListener() {
                @Override
                public void onAnimationUpdate(ValueAnimator animation) {
                    behavior.setTopAndBottomOffset((Integer) animation.getAnimatedValue());
                    appBarLayout.requestLayout();
                }
            });
            // TODO: 7/9/17 Get current offset of appbar and set it to the top of screen calculating screen
            size
            valueAnimator.setIntValues(topBottomOffset, screenHeight * -1);
            valueAnimator.setDuration(2000);
            valueAnimator.start();
        }
    }
}
```

193. Underline text

<https://stackoverflow.com/questions/8033316/to-draw-an-underline-below-the-textview-in-android/8033336#8033336>

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<https://stackoverflow.com/questions/13238298/android-change-underline-color-from-an-edittext-dynamically>

<https://stackoverflow.com/questions/19046614/how-to-underline-text-in-textview-with-some-different-color-than-that-of-text>

194. TextView: GetLine# methods

<https://developer.android.com/reference/android/widget/TextView.html>

<https://developer.android.com/reference/android/text/Layout.html>

195. How to: Portfolio on Github io

<http://thejackalofjavascript.com/your-portfolio-website-with-github-pages/>

196. Useful tools for developers:

By [Laurence Bradford](#)

You now know what to learn, where to learn it, how to get a dream job in tech, and more
Now, I want to share my favorite career-related tools, broken down into categories:

1. Tools for everyone
2. Tools specifically for full-time job (FTJ) chasers
3. Tools for freelancers, solopreneurs, and biz owners

Ready, set, it's time make money!!!

TOOLS FOR EVERYONE

LinkedIn profile: It's time for some tough love: if you don't have a LinkedIn profile as a professional, you look like a hermit. Need help creating yours? [Check out my \\$7 LinkedIn crash course for techies.](#)

Github: Github has many purposes. But essentially it's for anyone who is writing code. Which includes web developers, programmers, web designers, UX designers, etc. [Learn more here.](#)

Online portfolio/personal website: Claim your domain name while you can! Your portfolio/personal site can be as simple or detailed as you want it to be. Need help or inspiration? Make sure to check out my [free portfolio course.](#)

Business cards: Some argue that business cards are dead...I say not. You never know when you may meet someone that you'd like to stay in touch with. Business cards make that simple. On

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[Moo.com](#), it's easy to design your own business cards by uploading unique designs or using one of their premade templates.

[Boomerang](#): Perfect for anyone with a crazy Gmail inbox. Boomerang allows you to respond to emails later by “boomeranging” them—sending them back to your inbox at a later time so you don't forget about them. It also lets you send emails in the future. (I use this tool all the time.)

[Grammarly](#): I am obsessed with this free Google Chrome tool/web app. It's like spell-check steroids, because it actually helps you learn by pointing out why the mistake you're making is wrong. I use their premium package, which gives you even more grammar insights and allows you to have people proofread your work. I recommend Grammarly to everyone because the way you write—in emails, cover letters, project proposals, etc.—says a lot about you in a professional context. You want to make sure your spelling and grammar is polished.

FULL-TIME JOB CHASERS

Resumes: Every FTJ hunter needs a resume. A great way to master yours is with [The Insider's Guide to Tech Resumes](#), taught by Jonathan Chizick and Jeremy Schifeling on Udemy. They explain EXACTLY what tech companies look for when reading a resume, and how you can display your skills and experience in a manner that will have hottest tech companies calling you for an interview.

Cover letters: Again, my friend Jeremy Schifeling has a book on cover letters, [Get It Done: Write a Cover Letter](#). Check it out! (It's only \$0.99 on Kindle, and free if you're an unlimited user.)

Interview prep:

- **[Cracking the Coding Interview](#):** A book about how to successfully prepare for a high-level tech interview. You will learn about the interview process as well as how to answer difficult programming and technical questions.
- **[Interview Cake](#):** A website site that helps you prep for interviews by running through practice questions.

[Glassdoor](#): Website with a wide spectrum of resources like salary insights, career reports, company reviews, and more. They also spotlight common interview questions asked at particular companies. It's a great place to glean insights before heading into a face-to-face interview.

FREELANCERS, SOLOPRENEURS, AND BIZ OWNERS

Project proposals:

- **[Proposify](#):** Offers themes and design templates that can be customized to your needs. You have the choice of importing a pre-written proposal or starting from scratch on the site. Prices range from \$25 to \$100/month.
- **[ProposalPad](#):** PDF proposal service that lets you customize your proposal with a variety of different tools and options. Prices range from free for the Basic version to \$18/month for the Pro version.

Project management system: If you're working on multiple projects, with multiple people, you need some kind of project management system. I formerly used [Trello](#), but now I use [Asana](#). There are many out there--just find something that works for you.

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Freshbooks: An accounting tool designed for small business owners and freelancers. One of its key features is allowing you to invoice. It also has expense capture, time tracking, payments, and reporting. Try it free for 30 days before committing. Packages start at \$9.95/month.

LegalZoom: LegalZoom comes in handy with a variety of business-related legal issues. It can help you choose the best business structure for your business, answer your legal and tax questions, assist you in securing your intellectual property rights, and keep your business goals on track with its available tools and services.

Contactually: Contactually is a customer-relationship-management (CRM) tool that helps you build better relationships with your clients and/or customers. It allows you to organize all of your contacts in one location, and in varying “buckets” depending on your relationship with that contact. You can then set appropriate reminders for communication. This system makes it easy to keep in touch with everyone who needs to stay on your radar. Prices range from \$35 to \$125 per user per month.

Toggl: Simple time-tracking software that enables teams to easily track billable time. Prices from free to \$49/month if billed annually. (Or \$59/month if billed monthly.)

197. Native date time picker

<https://materialdoc.com/components/pickers/>

<https://github.com/materialdoc/materialdoc-web>

<https://github.com/wdullaer/MaterialDateTimePicker>

198. Constraint layout and Constraint Set

Tags: Programmatically manage constraint layout and it's children

http://www.techotopia.com/index.php/An_Android_ConstraintSet_Tutorial

http://www.techotopia.com/index.php/Managing_Constraints_using_ConstraintSet

199. Translate from Excel Sheet

<https://android-arsenal.com/details/1/5072>

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200. Android size calculator px sp dp in

Convertor px to

<http://angrytools.com/android/pixelcalc/>

<https://pixplicity.com/dp-px-converter>

201. Provider, Authority, Exported etc... attr for Manifest

[FileUriExposedException](#), New permissions for uri handling in marshmallow onwards, file, file provider, uri, url, scope, content

<https://inthecheesefactory.com/blog/how-to-share-access-to-file-with-fileprovider-on-android-nougat/en>

add new premission change add flag <https://medium.com/@ali.muzaffar/what-is-android-os-fileuriexposedexception-and-what-you-can-do-about-it-70b9eb17c6d0>

<https://developer.android.com/reference/android/os/FileUriExposedException.html>

202. Multiple file provider conflicts

<https://stackoverflow.com/questions/43175014/possible-to-use-multiple-authorities-with-fileprovider>

<https://github.com/stkent/bugshaker-android/blob/master/bugshaker/src/main/java/com/github/stkent/bugshaker/flow/email/screenshot/BugShakerFileProvider.java>

203. Actual width occupied by texts (chars) in TextView

Tags: x position width char text textview of last character textview android

<https://stackoverflow.com/questions/20696265/finding-coordinates-of-a-character>

<https://stackoverflow.com/questions/7549182/android-paint-measuretext-vs-gettextbounds>

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204. Vertical tablayout viewpager tabhost iOS guideline

<https://stackoverflow.com/questions/41422626/vertical-android-tablayout-not-scroll-vertically>

205. Load fragment onClick of Item from RecyclerView

<https://stackoverflow.com/questions/28984879/how-to-open-a-different-fragment-on-recyclerview-onclick>

206. Merge Layout XML UI

<http://abhiandroid.com/ui/include-merge-tag>

207. Dependency Injection: Dagger 2

207.1. What is dependency injection?!

<https://www.raywenderlich.com/146804/dependency-injection-dagger-2>

207.2. Official resource

<https://google.github.io/dagger/>

207.3. Tutorials and Examples

Dagger 2 for Application context, SharedPreferences, Gson, Cache, OkHttpClient, **and** Retrofit

(Below codepath guide for dagger 2 is best guide till date for me to understand, learn and use dagger 2)

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Dagger 2 relies on strongly typed classes, so you must specify explicitly which ones should be defined. (There are [suggestions](#) to workaround the issue, but the code to do so may be more complicated to trace than simply defining them.)

https://github.com/codepath/android_guides/wiki/Dependency-Injection-with-Dagger-2

207.4. Lazy injection and multiple objects

<https://blog.gouline.net/2015/05/04/dagger-2-even-sharper-less-square/>

<https://blog.mindorks.com/a-complete-guide-to-learn-dagger-2-b4c7a570d99c>

Simple Example: (Motor and Vehicle classes)

<https://code.tutsplus.com/tutorials/dependency-injection-with-dagger-2-on-android--cms-23345>

For (Illustration) sharedPreferences and context

<https://android.jlelse.eu/dagger-2-the-simplest-approach-3e23502c4cab>

Understand dagger a bit deeper

<https://medium.com/@Zhuinden/that-missing-guide-how-to-use-dagger2-ef116fba97>

<https://medium.com/@iammert/new-android-injector-with-dagger-2-part-1-8baa60152abe>

208. A Simple Android Apps with MVP, Dagger, RxJava, and Retrofit

<https://medium.com/@nurrohman/a-simple-android-apps-with-mvp-dagger-rxjava-and-retrofit-4edb214a66d7>

<https://blog.mindorks.com/essential-guide-for-designing-your-android-app-architecture-mvp-part-1-74efaf1cda40#.lkml1yggg>

208.1. RxJava

<https://docs.google.com/document/d/1NvbWex3AG-N6YALXcoXB0f0dIFj4IFhUjuzwEmasutl/edit?usp=sharing>

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208.2. Understand GreenDao

<https://mindorks.com/blog/powerful-android-orm-greendao-3-tutorial>

<http://greenrobot.org/greendao/documentation/how-to-get-started/>

208.3. Understand Retrofit2 with RxJava2 for android

<https://github.com/matthiasbruns/rxandroid2-retrofit2>

<https://www.journaldev.com/20433/android-rxjava-retrofit>

<https://blog.mindorks.com/understanding-rxjava-subject-publish-replay-behavior-and-async-subject-224d663d452f>

208.4. Retrofit2 with RxJava2 SearchView search calls

<https://github.com/amitshekhariitbhu/RxJava2-Android-Samples/blob/master/app/src/main/java/com/rxjava2/android/samples/ui/search/SearchActivity.java>

<https://medium.com/mindorks/effective-way-of-implementing-instant-search-with-retrofit2-and-rxjava2-adf0102aa46d>

<https://medium.com/@matdziu/using-rxjava-in-searchview-f1d1d5dcb8b7>

<https://blog.mindorks.com/implement-search-using-rxjava-operators-c8882b64fe1d>

<https://medium.com/mindorks/effective-way-of-implementing-instant-search-with-retrofit2-and-rxjava2-adf0102aa46d>

208.5. Understand Dagger

https://github.com/codepath/android_guides/wiki/Dependency-Injection-with-Dagger-2

<https://blog.mindorks.com/a-complete-guide-to-learn-dagger-2-b4c7a570d99c>

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209. MVP pattern and Dagger 2 : Library that forces to use MVP

<https://github.com/Arello-Mobile/Moxy>

<https://github.com/Arello-Mobile/Moxy/tree/master/sample-github>

210. Vertical TabLayout like iOS

<https://stackoverflow.com/questions/41422626/vertical-android-tablayout-not-scroll-vertically>

<https://stackoverflow.com/questions/4149953/androidorientation-vertical-does-not-work-for-tabwidget>

<https://stackoverflow.com/questions/7267951/vertical-tabs-in-android>

211. Multi panel (pane) UI

Two vertical fragments in single activity (listView in one fragment and detail of selected item in second fragment, both in single screen. Effective use of fragment comes here!)

<http://abhiandroid.com/ui/fragment>

<https://code.tutsplus.com/tutorials/android-user-interface-design-working-with-fragments--mobile-5367>

<http://www.brightec.co.uk/ideas/simple-multi-pane-android-pt-1>

<http://www.brightec.co.uk/ideas/simple-multi-pane-android-pt-2>

212. Header and Footer to RecyclerView

<https://takeoffandroid.com/header-and-footer-layout-for-recyclerview-3dd360134c1e>

<http://www.devexchanges.info/2016/10/adding-header-and-footer-layouts-for.html>

213. RecyclerView with Rx

<https://medium.freecodecamp.org/simplifying-recyclerview-adapters-with-rx-databinding-f02ebed0b386>

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214. Android working with SVG: Scalable Vector Graphics

Vector Drawables

<https://www.androidhive.info/2017/02/android-working-svg-vector-drawables/>

214.1. Limitations

<https://developer.android.com/studio/write/vector-asset-studio.html#PSD>

215. Google Android Examples

<https://code.google.com/archive/search?q=domain:code.google.com%20label:Android>

215.1. Multi pane (panel) UI (Two fragments in single activity)

<https://code.google.com/archive/p/android-mt-tutorials/source/default/source>

<https://code.tutsplus.com/tutorials/android-sdk-using-fragments--mobile-13886>

216. HTML Formatted Text in TextView to reduce layout views

<https://android--code.blogspot.in/2015/05/android-textview-html-formatted-text.html>

<https://stackoverflow.com/questions/3235131/set-textview-text-from-html-formatted-string-resource-in-xml>

217. Ellipsize not working for dynamic text

Tags: ellipsis, ellipsize, text, string, textview, text view, android

```
<item name="android:maxLines">1</item>
<item name="android:ellipsize">marquee</item>
```

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```
<item name="android:marqueeRepeatLimit">marquee_forever</item>
<item name="android:focusable">true</item>
<item name="android:focusableInTouchMode">true</item>
<item name="android:scrollHorizontally">true</item>
```

<https://stackoverflow.com/questions/11261904/textview-ellipsize-not-working>

218. RTL layout direction align center issue

Read Last Comment also.

<https://stackoverflow.com/questions/29888439/android-rtl-layout-direction-align-center-issue>

219. Awesome Android demos on GitHub

<https://github.com/JStumpp/awesome-android>

220. Associate Android Developer Certification Detailed Explanation

<https://github.com/Amejia481/Associate-Android-Developer-Certification>

221. Skeleton (shimmer) loading (animation) like facebook

<https://stackoverflow.com/questions/44457222/skeleton-view-design-till-the-view-gets-loaded>

https://github.com/elye/loaderviewlibrary?utm_source=android-arsenal.com&utm_medium=referral&utm_campaign=4243

<https://stackoverflow.com/questions/24310690/android-animate-rating-bar>

<https://developer.android.com/guide/topics/graphics/prop-animation.html>

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```
ObjectAnimator anim = ObjectAnimator.ofFloat(myRatingBar, "rating", current, 5f);
anim.setDuration(1000);
anim.start();
```

222. Status bar color

<https://stackoverflow.com/questions/22192291/how-to-change-the-status-bar-color-in-android>

223. Error:Execution failed for task ' :app:compileDebugJava'.

> Cannot find System Java Compiler. Ensure that you have installed a JDK (not just a JRE) and configured your JAVA_HOME system variable to point to the according directory.

This kind of problem arises when you compile old project in your new updated Android Studio IDE Version. Technically speaking : gradle build version is old. Just update with new

```
This can be achieve editing inside build.gradle(Project: App name) dependencies {
classpath 'com.android.tools.build:gradle:2.3.3' //update latest gradle build version. }
```

This might do the trick.

224. Hide bottom navigation behind soft input keyboard

```
Window w = getWindow(); // in Activity's onCreate() for instance
w.setFlags(WindowManager.LayoutParams.FLAG_LAYOUT_NO_LIMITS,
WindowManager.LayoutParams.FLAG_LAYOUT_NO_LIMITS);
}
```

225. Proguard

<https://inteist.com/proguard-keep-entire-package-different-variations/>

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226. Anko for Kotlin

<https://android.jlelse.eu/making-kotlin-easier-android-development-fb9fc2d4d2ce>

227. Change height for parallax in collapsingtoolbarlayout

```
setScrimVisibleHeightTrigger(int)
```

Set the amount of visible height in pixels used to define when to trigger a scrim visibility change. If the visible height of this view is less than the given value, the scrims will be made visible, otherwise they are hidden.

<https://stackoverflow.com/questions/34419443/collapsingtoolbarlayout-define-animation-start>

228. Scrim animation on view like collapsing toolbar layout

Tags: animation like scrim content scrim collapsing toolbar layout

<https://stackoverflow.com/questions/36211323/changing-height-of-fade-for-parallax-collapsingtoolbarlayout>

Use `setParallaxMultiplier(float)` on view's layout parameters with id `relativeLayout_title`.

`setParallaxMultiplier` changes the threshold at which parallax animation starts triggering. By default it triggers at half the parent height, equivalent of setting the value of 0.5f.

[Source](#)

229. Statusbar height

<http://android-er.blogspot.in/2017/02/get-height-of-status-bar.html>

230. Class not found

ClassNotFoundException error

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Case: changed device while instant run is on

Troubleshooting:

Uninstall the app in device. Turn off instant run. Clean build. Rebuild. Restart studio. Run.

If not, first include the required lib for the class that is not being found and then repeat above steps. Remove dependency. Repeat steps.

231. This Activity already has an action bar supplied by the window decor. Do not request `Window.FEATURE_SUPPORT_ACTION_BAR` and set `windowActionBar` to false in your theme to use a Toolbar instead.

<https://stackoverflow.com/questions/30923403/do-not-request-window-feature-action-bar-issue>

232. Space (gap) between `tablayout` and `viewpager`

Set proper anchor and anchor gravity to view pager.

233. Change color of `progressBar`

<https://stackoverflow.com/questions/2020882/how-to-change-progress-bars-progress-color-in-android>

234. Emulator not showing up soft keyboard

Show Soft keyboard `editText` focus `onClick` `onTouch` emulator below API 21 lollipop

<https://stackoverflow.com/questions/18288228/android-softkeyboard-never-shows-up-in-emulator>

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235. Gradle

235.1. Error:Failed to resolve: annotationProcessor

[Open File](openFile:/home/dilip/BitBucketProject/jobsAbroad/JobsAbroad/app/build.gradle)

235.2. Error:Failed to resolve: com.android.support:support-annotations:26.0.2

[Install Repository and sync project](install.m2.repo)
[Open File](openFile:/home/dilip/BitBucketProject/jobsAbroad/JobsAbroad/app/build.gradle)
[Show in Project Structure dialog](open.dependency.in.project.structure)

236. New Glide Vs 3.7.0

237. How web works?

<http://web.archive.org/web/20130116005443/http://tomayko.com/writings/rest-to-my-wife>

<https://martinfowler.com/articles/richardsonMaturityModel.html>

<https://code.tutsplus.com/tutorials/a-beginners-guide-to-http-and-rest--net-16340>

238. What and How of REST API

<http://www.vogella.com/tutorials/Retrofit/article.html>

<https://www.journaldev.com/13639/retrofit-android-example-tutorial>

<https://www.sitepoint.com/developers-rest-api/>

<https://code.tutsplus.com/tutorials/android-from-scratch-using-rest-apis--cms-27117>

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239. What is HTTP?

240. Why REST API?

241. Snippets: Create Table, insert, update, delete

242. Toolbar title in center

<https://stackoverflow.com/questions/26533510/android-toolbar-center-title-and-custom-font>

243. Dialogs

<https://guides.codepath.com/android/Using-DialogFragment>

244. Toolbar in DialogFragment

<https://stackoverflow.com/questions/27608399/toolbar-in-dialogfragment>

245. CommonsWare/CommonsGuy projects

<https://github.com/commonsguy/cw-omnibus>

246. File name for the selected file of Google Drive

We need to implement Google Drive as we implement other Google services

<https://www.101apps.co.za/index.php/articles/android-apps-and-google-drive-picking-files.html>

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247. Delete all contents of directory but not the directory itself

<https://stackoverflow.com/questions/24447399/removing-all-content-of-specific-folder>

248. Proguard Tip

keep files without change when we integrate proguard in app.

<https://stackoverflow.com/questions/4830474/how-to-keep-exclude-a-particular-package-path-when-using-proguard>

Add this url in note file-keep files without change when we integrate proguard in app.

249. Local search in recycler view

<http://www.coderzheaven.com/2016/05/13/filtering-a-recyclerview-with-custom-objects/>

<https://www.numericlabz.com/android-adding-search-functionality-to-recyclerview/>

250. Customize navigation drawer

Custom navigation drawer

251. Emoji Flag from string, country code

<https://stackoverflow.com/questions/42234666/get-emoji-flag-by-country-code/42235254>

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252. RecyclerView Add view dynamically

Add a view on plus button click

Simply, add an item (may be new object of model) in existing list and notify:

<https://android--code.blogspot.in/2015/12/android-recyclerview-add-remove-item.html>

253. Webview : Load HTML (Whole website as it is)

<https://www.techrepublic.com/blog/software-engineer/embedding-html-in-your-android-apps/>

254. Delete all unused variables, methods and all

Inspection, Analyzer, Clean Up, Lint Provided by Android studio

<https://stackoverflow.com/questions/33674592/how-can-i-find-all-unused-methods-of-my-project-in-the-android-studio-idea>

<https://stackoverflow.com/questions/40280978/how-to-remove-unused-xml-java-code-from-android-studio>

<https://stackoverflow.com/questions/22273434/remove-unused-imports-in-android-studio>

<https://developer.android.com/studio/build/shrink-code.html>

255. Push Notification

<http://blogs.innovationm.com/firebase-push-notification-implementation-in-android-and-app-server/>

256. RxJava for searchView

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257. Only month and year in datepicker dialog

<https://stackoverflow.com/questions/10673842/android-hide-date-field-in-datepickerdialog>

258. NestedScrollView not scrolling till bottom, to the end

when the content layout, direct child of nestedscrollview had a top margin!!!!

OR

<https://stackoverflow.com/questions/40590672/nestedscrollview-cut-overlay-bottom-of-nested-fragments>

259. Oreo Push Notification Channels Categories Group

<https://developer.android.com/guide/topics/ui/notifiers/notifications.html>

Theory: Explanation: Real device: No coding!

<https://www.moengage.com/blog/android-oreo-is-here-overhaul-push-notification-strategy/>

<https://code.tutsplus.com/tutorials/android-o-how-to-use-notification-channels--cms-28616>

<https://www.androidauthority.com/android-8-0-oreo-app-implementing-notification-channels-801097/>

<https://stackoverflow.com/questions/44489657/android-o-reporting-notification-not-posted-to-channel-but-it-is>

<https://stackoverflow.com/questions/45462666/notificationcompat-builder-deprecated-in-android-o>

<https://medium.com/exploring-android/exploring-android-o-notification-channels-94cd274f604c>

<https://blog.stylingandroid.com/oreo-notifications-channels-part-1/>

260. Recyclerview scrolling performance

Tags: recyclerview performance recyclerview scrolling performance

<https://stackoverflow.com/questions/27188536/recyclerview-scrolling-performance>

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<https://stackoverflow.com/questions/33845846/why-is-adding-an-onclicklistener-inside-onbindviewholder-of-a-recyclerview-adapt>

<https://antonioleiva.com/recyclerview-listener/>

<https://dzone.com/articles/click-listener-for-recyclerview-adapter>

261. Change navigation drawer toggle homeAsUpEnable icon

<https://stackoverflow.com/questions/24482825/changing-navigation-drawer-icon-on-action-bar-android>

262. Lock disable navigation drawer toggle open close slide gesture

```
mDrawerLayout.setDrawerLockMode(DrawerLayout.LOCK_MODE_LOCKED_CLOSED);
```

263. Google sample

264. Room

Monday, 01st January 2018

265. Navigation drawer custom separator

Tags: margin padding custom separator line navigation drawer
What I was looking for:

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<https://stackoverflow.com/questions/45664703/set-margin-to-navigation-drawers-default-divider>

Unfortunately, I could not manage it and hence, I ended up by using layout instead of menu!

266. Auto size text view with android support library 26

AutoSize AutoResize Auto Resize autoSizeTextType

Use case: when you have similar fixed containers for text views but text views can be different in terms of length. At that time, auto size text is useful as it resizes text size automatically according to space.

<https://developer.android.com/guide/topics/ui/look-and-feel/autosizing-textview.html>

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="200dp"
        app:autoSizeTextType="uniform"
        app:autoSizeMinTextSize="12sp"
        app:autoSizeMaxTextSize="100sp"
        app:autoSizeStepGranularity="2sp" />

</LinearLayout>
```

All you need to know is just two lines:

```
android:layout_height="200dp"
app:autoSizeTextType="uniform"
```

Why fixed height? Well, it is suggested there!

Note: If you set autosizing in an XML file, it is not recommended to use the value "wrap_content" for the *layout_width* or *layout_height* attributes of a [TextView](#). It may produce unexpected results.

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267. Clear All edit text fields

<https://stackoverflow.com/questions/5740708/android-clearing-all-edittext-fields-with-clear-button/5816949#5816949>

268. Firebase error

Default FirebaseApp is not initialized. Make sure to call `FirebaseApp.initializeApp(Context)` first.

<https://stackoverflow.com/questions/40081539/default-firebaseapp-is-not-initialized/40085096#40085096>

Make sure that you have related json file available in app directory!

269. Navigation drawer

269.1. Change default navigation drawer toggle icon hamburger icon

Custom navigation drawer toggle hamburger three line drawer menu icon

<https://stackoverflow.com/questions/24482825/changing-navigation-drawer-icon-on-action-bar-android/32117399#32117399>

269.2. Remove scrollbar from navigation drawer menu

Tags: navigation drawer menu scrollbar

<https://stackoverflow.com/questions/32673303/remove-scrollbar-from-android-support-design-navigation-drawer/32682319#32682319>

269.3. Navigation drawer menu item icon color

Navigation drawer menu shows different menu item icon color than what has been set
Showing dark black and white type menu item icon

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<https://stackoverflow.com/questions/31394265/navigation-drawer-item-icon-not-showing-original-colour/31999206#31999206>

269.4. More than one divider separator in navigation drawer menu

<https://stackoverflow.com/questions/30916946/android-navigationview-menu-group-divider/30917121#30917121>

Just create as many groups with unique id as many dividers/separators you want

269.5. Change color of navigation drawer menu divider/separator

Custom color for navigation drawer menu divider/separator

<https://stackoverflow.com/questions/30730819/how-can-i-change-separator-color-in-navigationview/30731387#30731387>

269.6. Custom margin padding for navigation drawer menu items

<https://stackoverflow.com/questions/39913570/how-to-overcome-this-item-padding-in-navigation-drawer>

270. Remove default padding of textview

Just set Include font padding false in xml!

<https://stackoverflow.com/questions/4768738/android-textview-remove-spacing-and-padding-on-top-and-bottom/5179030#5179030>

271. Image cropping libraries

<https://github.com/ArthurHub/Android-Image-Cropper>

<https://github.com/IsseiAoki/SimpleCropView>

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272. TextView ellipsize marquee

272.1. Scrollable TextView

Scrollable textview

Ellipsize marquee works if singleLine is true and if you make scrollHorizontally true and sets setSelected to true, the text view can be scroll horizontally!

<https://stackoverflow.com/questions/3332924/textview-marquee-not-working/3333855#3333855>

<https://stackoverflow.com/questions/5472362/android-automatic-horizontally-scrolling-textview>

273. Scrollable TextView

maxLines, scrollbars and default movement method

<https://stackoverflow.com/questions/1748977/making-textview-scrollable-on-android/3256305#3256305>

274. RecyclerView grid layout manager

Increase space between columns of grid layout manager by custom item decoration class

<https://stackoverflow.com/questions/28531996/android-recyclerview-gridlayoutmanager-column-spacing/28533234#28533234>

275. Drawable

<https://guides.codepath.com/android/Drawables>

276. Define Circle Shape in drawable xml

<https://stackoverflow.com/questions/3185103/how-to-define-a-circle-shape-in-an-android-xml-drawable-file/34724737#34724737>

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03rd Jan 2018

Sagar Patel

Achievements:

Project: concierge App

10:00 to 13:20 shoppe custom ui

277. View Losing drawable background

Custom buttons were losing their drawable background after few clicks! `view.invalidate()` did not work and I had to overlap backgrounds of both custom buttons by new permanent drawable background, though it is still visible within few clicks that both custom buttons are losing their drawable backgrounds.

277.1. Solution:

We have already made a custom edit text view which can be a solution with flexible corner radius, clickable true and focusable false.

14:45 to 20:10 Controllers, adapter, view holder and api for voucher list.

278. Second grid item gets stretched and deteriorating ui!

Tags: recyclerView grid layout last item second item

278.1. Solution

Try relative layout instead of constraint root.

04th Jan 2018

Sagar Patel

Achievements:

Project: concierge App

09:30 to 10:00 starting, recalling, reviewing,

10:00 to Try to implement third party recyclerview for header

<https://github.com/captain-miao/RecyclerViewUtils>

10:00 to 10:30 download demo and review functionalities

10:30 It does not work with item decoration that is necessary in our case for grid layout manager to increase the space between two columns.

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Solution: Compaq the item width by reducing space between profile image and bookmark. Bookmark padding can be reduced also.

279. Working with android soft keyboard utilities

Tags: Hide, show, go, done, next sof keyboard

<https://guides.codepath.com/android/Working-with-the-Soft-Keyboard>

Get size of keyboard

<http://android-designing.blogspot.in/2017/05/get-height-of-soft-keyboard-of-device.html>

04th Jan 2018

Sagar Patel

Achievements:

Project: concierge App

09:30 to 10:00 starting, recalling, reviewing,

10:00 to Try to implement third party recyclerview for header

<https://github.com/captain-miao/RecyclerViewUtils>

10:00 to 10:30 downloaded demo and review functionalities

10:30 It does not work with item decoration that is necessary in our case for grid layout manager to increase the space between two columns.

10:12 to 11:45 trying to implement header in a simple straight forward way

Solution: Compaq the item width by reducing space between profile image and bookmark. Bookmark padding can be reduced also.

Found that third party recyclerView also does not support our load more along with!

11:45 to 12:00 testing

12:00 to 12:38 ui issues

12:39 to 13:20 load more for header

13:20 to 13:40 ui issues

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14:45 to 15:15 no data ui

15:15 to 16:30 set either redeem or view

16:30 to 18:38 bookmark from voucher list, controller, database, keys,

18:38 to 20:37 bookmark screen

Fri, 05th Jan 2018

Sagar Patel

Achievements:

Project: concierge App

10:00 to 10:20 recalling and reviewing

10:20 to 10:41 different toolbar menu for different fragments

10:41 to 11:08 testing and reviewing, rewards

11:08 to 13:30 testing and reviewing, bookmark dialog prompt

14:40 to 17:46 rv header issue (one item missing)

17:52 to 18:16 reopened (reverse scroll crash) (add dummy item and hence, header for/in first page only!)

18:17 to 18:58 redeem, controller, api

18:58 to 19:34 testing and reviewing, navigation drawer profile setting (data)

280. Get RecyclerView travelling in Y direction

Tags: get recyclerView Y vertical scrolling

<https://stackoverflow.com/questions/32459696/get-scroll-y-of-recyclerview-or-webview/32459876#32459876>

```
mTotalScrolled += dy;
```

Above line is important as if you assign directly as var = dy; then it will give wrong value!

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281. Unsupported method: BaseConfig.getApplicationIdSuffix()

<https://stackoverflow.com/questions/44546849/unsupported-method-baseconfig-getapplicationidsuffix/44547225#44547225>

282. Please select android studio

<https://stackoverflow.com/questions/34353220/android-studio-please-select-android-sdk/34370587#34370587>

283. RecyclerView Header in Grid layoutmanager

<https://stackoverflow.com/questions/37642869/recyclerview-gridlayoutmanager-with-full-width-header/38656526#38656526>

Important terms is: getSpanSize which I think means number of columns to cover so that you will give your total numbers of columns (SpanCount) to the header (2?) where it will be 1 for the item view.

284. Recyclerview Header

A sticky one time, one header only tip

Just add list.add(0, blank object) (**For the first page only as if we need only one sticky header on top of the list**) and then list.addAll(list) inside addData method of adapter.

It can be considered as the same process as how we add loading view at the bottom for load more effect.

1. We have added a blank object in a list at index 0
2. In getItemViewType, we return ViewHolder if the position 0! I.e., if position == 0, return header; if list.get(position) == null, return loader otherwise return items!
3. In bindView, we simply return immediately for the position 0 and if the list size is 1, we send call back as no data because list size 1 means list has only header element and nothing else! Otherwise from position 1, we will do our regular operation on list in bindView method in the same way how we do it normally.

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285. Scroll observer for nestedScrollView

Tags: how to determine get y travelling, whether it is **fling velocity** (user has started scrolling, there is no touch interface between user and screen, current state is scrolling), **touch scroll** (user finger is still on screen and user is scrolling) or **idle state** where no scrolling is currently being happened or scroll event has just finished

<https://stackoverflow.com/questions/37667164/how-to-determine-if-a-nestedscrollview-is-scrolled-to-the-end-and-is-idle/37667686#37667686>

286. Android oreo notification channel notification builder

Tags: notification builder deprecated

<https://stackoverflow.com/questions/45462666/notificationcompat-builder-deprecated-in-android-o/45465542#45465542>

Additionally, you can give your old notification builder constructor an oreo notification channel support by calling `setChannel` function.

287. Field of Parent class through reflection

Tags: reflection parent extended inherited class

<https://stackoverflow.com/questions/7966466/getting-first-parents-fields-via-reflection/7966510#7966510>

288. Set private field through reflection

<https://stackoverflow.com/questions/32716952/set-private-field-value-with-reflection>

<http://blog.sevagas.com/?Modify-any-Java-class-field-using-reflection>

<https://stackoverflow.com/questions/160970/how-do-i-invoke-a-java-method-when-given-the-method-name-as-a-string>

`obj.getSuperClass()` is the key!

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289. NestedScrollView / ScrollView is getting cut by soft navigation bar height, not scrolling to and till the end, weird strange behavior

<https://stackoverflow.com/questions/16443285/scrollview-not-scrolling-to-the-end-of-inner-linearlayouts-bottom-margin/19571368#19571368>

Strange thing is it happens if the only direct child of that NestedScrollView/ScrollView has been set with marginTop!

290. Android color transparency hex codes

```
100% -- FF 99% -- FC 98% -- FA 97% -- F7 96% -- F5 95% -- F2 94% -- F0 93% -- ED 92% -- EB 91% --
- E8 90% -- E6 89% -- E3 88% -- E0 87% -- DE 86% -- DB 85% -- D9 84% -- D6 83% -- D4 82% -- D1
81% -- CF 80% -- CC 79% -- C9 78% -- C7 77% -- C4 76% -- C2 75% -- BF 74% -- BD 73% -- BA 72% --
B8 71% -- B5 70% -- B3 69% -- B0 68% -- AD 67% -- AB 66% -- A8 65% -- A6 64% -- A3 63% -- A1 62%
-- 9E 61% -- 9C 60% -- 99 59% -- 96 58% -- 94 57% -- 91 56% -- 8F 55% -- 8C 54% -- 8A 53% -- 87
52% -- 85 51% -- 82 50% -- 80 49% -- 7D 48% -- 7A 47% -- 78 46% -- 75 45% -- 73 44% -- 70 43% --
6E 42% -- 6B 41% -- 69 40% -- 66 39% -- 63 38% -- 61 37% -- 5E 36% -- 5C 35% -- 59 34% -- 57 33%
-- 54 32% -- 52 31% -- 4F 30% -- 4D 29% -- 4A 28% -- 47 27% -- 45 26% -- 42 25% -- 40 24% -- 3D
23% -- 3B 22% -- 38 21% -- 36 20% -- 33 19% -- 30 18% -- 2E 17% -- 2B 16% -- 29 15% -- 26 14% --
24 13% -- 21 12% -- 1F 11% -- 1C 10% -- 1A 9% -- 17 8% -- 14 7% -- 12 6% -- 0F 5% -- 0D 4% -- 0A
3% -- 08 2% -- 05 1% -- 03 0% -- 00
```

291. StatusBar

Tags: transparent translucent statusbar and/but not the navigationbar

<https://stackoverflow.com/questions/33354791/android-draw-behind-status-bar-but-not-behind-the-navigation-bar>

<https://stackoverflow.com/questions/33347297/can-i-set-flag-layout-no-limits-only-for-status-bar>

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292. RecyclerView item click listener inside viewHolder

Tags: recyclerview item click listener inside viewHolder instead of onBindViewHolder and you can get position by calling getAdapterPosition() function inside viewHolder and you can also use interface for the response, why click listener inside onBindViewHolder is bad practice, how to get position of an item inside/for recyclerview viewHolder

<https://stackoverflow.com/questions/33845846/why-is-adding-an-onclicklistener-inside-onbindviewholder-of-a-recyclerview-adapt/33845951#33845951>

<https://android.jlelse.eu/click-listener-for-recyclerview-adapter-2d17a6f6f6c9>

<https://stackoverflow.com/questions/24562744/challenges-in-recyclerview-of-android-l>

Find relation: `setHasStableIds` and `getItemId` of `viewHolder`

293. Date and Time

293.1. Day of month / Month / Year / Time from date object

<https://stackoverflow.com/questions/17192776/get-value-of-day-month-form-date-object-in-android/17192941#17192941>

<https://stackoverflow.com/questions/37803686/convert-string-date-to-integer-and-get-month/37803772#37803772>

294. Number Picker

294.1. Month Year Picker

Tags: show only month and year picker, not the day. Hide disable do no show day selection picker in date time picker

<https://github.com/Twinkle942910/MonthYearPicker>

294.2. Edit Text

Tags: number picker edit text change not working properly get edit text field from number picker number picker not getting value from edit text change number picker is not setting value when changing from edit text

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295. NavigationBar

295.1. Change navigationBar color

<https://stackoverflow.com/questions/27839105/android-lollipop-change-navigation-bar-color/27839184#27839184>

295.2. Change statusBar color

```
@TargetApi(Build.VERSION_CODES.LOLLIPOP)
public static void setStatusBarGradiant(Activity activity) {
    if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.LOLLIPOP) {
        Window window = activity.getWindow();
        window.addFlags(WindowManager.LayoutParams.FLAG_DRAWS_SYSTEM_BAR_BACKGROUNDS);
        window.setStatusBarColor(activity.getResources().getColor(R.color.transparent));
        window.setNavigationBarColor(activity.getResources().getColor(R.color.transparent));
    }
}
```

296. Retrofit

296.1. Show progress for retrofit

Tags: show progressbar progress loading while uploading image document for/in retrofit

Use Custom Request Body Class

<https://stackoverflow.com/questions/33338181/is-it-possible-to-show-progress-bar-when-upload-image-via-retrofit-2/33384551#33384551>

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297. Working with File handling

297.1. File from cloud or google drive

Tags: proper way to handle any file in android get save set share path url...

Best way is save it to application directory, use it and after usage, delete the directory recursively... Do not forget to make the directory again as soon as application starts and delete the directory recursively as soon as application exit

<https://stackoverflow.com/questions/42719068/unable-to-share-files-from-drive-to-my-application-android/42719129#42719129>

298. Dialogue

298.1. Working with dialogue and soft keyboard

Tags: resize dialogue while showing soft keyboard when soft keyboard gets opened if soft keyboard is visible if edit text field is focused when edit text field has focus

<https://stackoverflow.com/questions/5622202/how-to-resize-alertdialog-on-the-keyboard-display/44942029#44942029>

299. CardView

299.1. Customize Corner of cardView

Third party library

<https://stackoverflow.com/questions/34454182/round-only-top-corner-of-cardview/36664098#36664098>

300. Android studio

300.1. Auto generated debug apk unable to install in real physical device

Tags: application package parse error while installing debug apk to real physical device

Disable Instant Run

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<https://stackoverflow.com/questions/43736610/android-studio-2-3-autogenerated-debug-apk-no-longer-runs-on-physical-device/43754233#43754233>

301. Fragment

301.1. Different menu for different fragments

Tags: different menu items on different fragments while using single common toolbar actionBar
navigationDrawer fragment menu items invalidateOptionsMenu not working

<https://stackoverflow.com/questions/25215853/invalidateoptionsmenu-doesnt-work-in-fragment/25216064#25216064>

302. File

Tags: create make save file directory

302.1. Getting file directory folder instead of file

Tags: file directory folder instead of file like txt, pdf, img, doc, text, word etc...

Note that file name must not contain space otherwise it will create folder directory.

303. Email

Attach file to only email client

<http://droidmentor.com/document-attachment/>

<https://stackoverflow.com/questions/5734678/custom-filtering-of-intent-chooser-based-on-installed-android-package-name/18835895#18835895>

304. No apps can perform this action

<http://android-er.blogspot.in/2011/11/no-applications-can-perform-this-action.html>

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305. Custom Intent chooser

Set action view and from that data, set action send to targetedShareIntent

<https://stackoverflow.com/questions/5734678/custom-filtering-of-intent-chooser-based-on-installed-android-package-name/8550043#8550043>

306. Android projects to learn

https://github.com/Gismo8/Android_Basics_Nanodegree_by_Google-My_10_Projects

307. Android various launcher icons

<https://developer.android.com/studio/write/image-asset-studio.html>

308. Check if the object is created

```
object.hasCode();
```

309. Activity/Application/App is in background or in foreground

<https://tips.androidhive.info/2015/04/android-how-to-check-if-the-app-is-in-background-or-foreground/>

<https://android.jlelse.eu/how-to-detect-android-application-open-and-close-background-and-foreground-events-1b4713784b57>

310. Android studio shortcuts are not working properly

Check your OS keyboard shortcuts and/or iBus preferences and disable most of them as they are may be producing conflicts and confusions.

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311. SQLite

311.1. Couldn't read row 0, col -1 from CursorWindow. Make sure the Cursor is initialized correctly before accessing data from it.

Make sure column has non-null value.

<https://blog.tapreason.com/how-to-resolve-java-lang-illegalstateexception-couldnt-read-row-0-col-y-from-cursorwindow-make-sure-31c58a2b3d83>

312. ExoPlayer

<https://developer.android.com/guide/topics/media/exoplayer.html>

<https://github.com/google/ExoPlayer>

<https://google.github.io/ExoPlayer/guide.html>

This is the official google training for exoPlayer.

<https://codelabs.developers.google.com/codelabs/exoplayer-intro/#0>

<https://stackoverflow.com/questions/41585763/android-video-player-libraries-with-cache-video>

Following sample is written in Kotlin. You will find how to customize the exoPlayer in this sample.

<https://github.com/yusufcakmak/ExoPlayerSample>

Following tutorial is written in Kotlin. You will find:

- How to add a media player to your app.
- How to customize the media player to fit your specific needs.
- The best practices for media player architecture.
- Additional capabilities ExoPlayer provides beyond the built in APIs.

<https://www.raywenderlich.com/5573-media-playback-on-android-with-exoplayer-getting-started>

Here you will find step by step tutorial and source code too:

<https://androidwave.com/video-streaming-exoplayer-in-android/>

Very in depth step by step tutorial, link of source code, other useful links and a lot more (just rough english as written by native thai person):

<https://medium.com/fungjai/playing-video-by-exoplayer-b97903be0b33>

https://github.com/mikkipastel/VideoPlanet/tree/develop?source=post_page-----

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312.1. Customizing exoPlayer controller view

<https://medium.com/google-exoplayer/customizing-exoplayer-ui-components-728cf55ee07a>
<https://android.jlelse.eu/android-exoplayer-starters-guide-6350433f256c>

313. Playback, Pause, Resume, Shrink video

<https://github.com/eneim/toro>

314. Complex RecyclerView

<https://github.com/lisawray/groupeie>

315. Ubuntu linux

315.1. Reset Default application

<https://www.howtogeek.com/117709/how-to-change-your-default-applications-on-ubuntu-4-ways/>

316. Source code from apk

<https://stackoverflow.com/questions/3593420/is-there-a-way-to-get-the-source-code-from-an-apk-file>

317. Hiding soft keyboard leaves empty blank white space behind it

Softkeyboard white space empty space

<https://stackoverflow.com/questions/20559963/empty-space-when-i-return-to-activity-soft-keyboard-forced>

<https://stackoverflow.com/questions/35571894/android-softkeyboard-leaving-white-space-on-hiding>

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318. Catch softkeyboard show/hide event

How to Soft keyboard softkeyboard show hide event

<https://gist.github.com/felHR85/6070f643d25f5a0b3674>

<http://tech.leolink.net/2014/02/a-hack-to-catch-soft-keyboard-showhide.html>

319. Android Instant App (AIA)

320. Glide

Glide recyclerview glide tag

<https://stackoverflow.com/questions/34833627/error-you-must-not-call-settag-on-a-view-glide-is-targeting-when-use-glide>

321. Save object array list to sharedPreferences

Serializable object.

<https://stackoverflow.com/questions/7057845/save-arraylist-to-sharedpreferences?answertab=oldest#tab-top>

<https://github.com/apache/pig/blob/89c2e8e76c68d0d0abe6a36b4e08ddc56979796f/src/org/apache/pig/impl/util/ObjectSerializer.java>

<https://github.com/sudar/android-samples/blob/master/TaskManager/src/com/sudarmuthu/android/taskmanager/util/ObjectSerializer.java>

<http://www.coderzheaven.com/2012/07/25/serialization-android-simple-example/>

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322. Calendar

322.1. Get day of week

<https://stackoverflow.com/questions/18256521/android-calendar-get-current-day-of-week-as-string>

323. Gson LinkedHashMap

323.1. Send / Pass Gson LinkedHashMap data through intent

<https://stackoverflow.com/questions/14907468/android-how-to-pass-linkedhashmap-between-activities>

324. Keymap

324.1. Default copy : windows

324.1.1. Move caret to next or previous method: ctrl + alt + up / down

324.1.2. Move caret to last navigation : alt + left / right

(Also known as back and forward)

324.1.3. Move to previous edit location : ctrl + shift + backspace

(My Favorite!)

If you have edited something, it will move and set the caret to that location or else it will remain at current location.

324.1.4. Move to next / previous change : ctrl + shift + alt + up / down

(My Favorite!)

Takes you to your last changes

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324.1.5. Move caret to occurrences : alt + up / down

324.1.6. Surround with : ctrl + alt + T

Try catch, region, if else etc...

325. Live Template

325.1. Set default string

By “your default string” under expression column of edit variable options.

<http://corochann.com/android-studio-live-templates-usage-examples-358.html>

To the following thread to get the feedback from mentors:

<https://discussions.udacity.com/t/show-off-your-project-mentor-feedback/584057/1246>

To the following thread to get the feedback from other students/classmates/developers

326. Unable to install apk in device

Error while executing: am start -n

It happens when your device has multiple accounts... Go to settings -> apps -> you may still find app you have just uninstalled but as deactivated saying the app has been deactivated for current user -> uninstall for all users

327. Color Palette

<https://developer.android.com/training/material/palette-colors.html>

<https://www.bignerdranch.com/blog/extracting-colors-to-a-palette-with-android-lollipop/>

<https://stackoverflow.com/questions/28144847/differences-between-android-palette-colors>

<https://code.google.com/archive/p/android-color-picker/>

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<https://guides.codepath.com/android/Dynamic-Color-using-Palettes>

328. Location:

328.1. Using Location Manager:

<https://www.journaldev.com/13325/android-location-api-tracking-gps>

328.1.1. How does it work?

<https://medium.com/@mizutori/tracking-highly-accurate-location-in-android-vol-1-ddbc757b045d>

328.1.2. Optimization: Reduce battery power consumption

https://github.com/codepath/android_guides/issues/220

328.2. Using Google API

Pick your API:

<https://developers.google.com/maps/documentation/api-picker>

Current place?

Use GeoCoder, pass your latlng, get address, pass that address to placeAutoCompleteAdapter filter like: `adapter.getFilter().filter(yourAddress)` and get `AutoCompletePredictions.getPrimaryText(nullableCharStyle)` and `AutocompletePredictions.getSecondaryText(nullableCharStyle)` and `autoCompletePredictions.getPlace()` etc...

How to use GeoCoder?

<https://developer.android.com/reference/android/location/Geocoder>

<https://developer.android.com/training/location/display-address#java>

You can also check usage sample of geocoder in below detailed example:

<https://www.raywenderlich.com/144066/introduction-google-maps-api-android>

How to use PlaceAutoCompleteAdapter?

<https://github.com/googlesamples/android-play-places> and use AutoCompleteAdapter example among 4.

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329. Replace or Remove PlaceAutoCompleteAdapter suggestion layout

You can simply use editText or searchView instead of AutoCompleteTextView and either through their TextWatcher listener's onTextChanged method or through onQueryTextChanged method you can call placeAutoCompleteAdapter's getFilter().filter(yourText) method. In return, you will get autoCompletePredictions.

330. Google Map API

https://developers.google.com/maps/documentation/android-api/start#installing_the_google_maps_android_v2_api

<https://android.jlelse.eu/draggable-map-view-android-example-a181bb0dd231>

Awesome raywenderlich! Get current location and Set marker on current location and more.

<https://www.raywenderlich.com/144066/introduction-google-maps-api-android>

https://developers.google.com/maps/documentation/android-api/marker?hl=de#marker_drag_events

331. Select Image Camera Gallery

<https://demonuts.com/2017/04/19/pick-image-from-gallery-or-camera-in-android-programmatically/>

<https://developer.android.com/training/camera/photobasics.html>

332. Glide : Auto Rotate for EXIF Image Rotation

Auto rotate rotation image

<https://stackoverflow.com/questions/42411409/why-image-auto-rotate-when-set-to-imageview-with-picasso/42411772>

<https://github.com/bumptech/glide/issues/665>

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333. Oreo : Crash on edit text focus

Edt text Text Input Edit Text Widget crash

```
android:importantForAutofill="noExcludeDescendants"
```

<https://stackoverflow.com/questions/45840856/android-8-0-oreo-crash-on-focusing-textinputedittext/46174147>

334. Method execution time:

Determine whether to use db query or for loop

<https://stackoverflow.com/questions/180158/how-do-i-time-a-methods-execution-in-java>

335. SerialVersionUID

<http://vojtechruzicka.com/explicitly-declare-serialversionuid/>

336. Spannable String not working

Set all caps false!!!

<https://stackoverflow.com/questions/29843191/spannablestring-is-not-working-for-programatically-created-button>

337. Class Not Found

MultiDex Enable and turn off instant run

338. Bottom Sheet

bottomSheet

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339. TextView

textView multiline singleLine maxLines
textView gets cut off textView cut

If you have given inputType attribute to other than “none” to your textView, it will show your value as single line only considering as kind of EditText field due to explicitly given inputType property. Either remove that property or set it to “none”.

340. CardView

Let child overlap cardView

<https://stackoverflow.com/questions/43666844/cardview-let-child-item-overlap/43666962>

341. List Utils And Collection

341.1. Group by for a list

Group all elements of a list by one of it's common field something similar we usually do in database with query.

<https://stackoverflow.com/questions/21678430/group-a-list-of-objects-by-an-attribute-java/21678611#21678611>

341.2. Hashmap key value entry set

Get key value keys values entry set from hasmap

<https://stackoverflow.com/questions/16246821/how-to-get-values-keys-from-hashmap/16246903#16246903>

342. Git

Learn git and github through command

<http://git.github.io/git-reference/>

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343. Toolbar not showing title

Check if text title is overlapping each other though in preview it will not show. Remove one by one and set one by one. Check if duplicate in program.

344. Multiple Images and Videos

Select Multiple images videos selection custom gallery

<https://stackoverflow.com/questions/17664826/access-ordered-images-and-video-in-same-cursor>

345. From Google Certified Expert

Google Udacity India Challenge Scholarship Android Basics Track Phase 1~2

<https://discussions.udacity.com/t/show-off-your-project-mentor-feedback/584057/2633>

345.1. Orientation Configuration Change

<https://developer.android.com/guide/topics/resources/runtime-changes>

I have used the attribute `android:configChanges="orientation"` in the manifest file to preserve the state of the app for orientation changes.

This is not a good practice to save/restore state of the app for more information please check [this](#) doc . This states that,

Note: Using this attribute should be avoided and used only as a last resort. Please read Handling Runtime Changes for more information about how to properly handle a restart due to a configuration change.

345.2. Scroll Orientation and Scrollbars



mahima.ms:

When we use a `ScrollView`, I see two attributes - `android:orientation=vertical` and `android:scrollbars=vertical` - both seemed to work the same way for me. How do these differ? Which one should we use to achieve scrollable feature?

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If you see the documentation of ScrollView the attributes are not specific to this View. So there won't be any difference.

345.3. fillViewport



mahima.ms:

What is the use of ScrollView's android:fillViewport attribute? In the layout I have used, ScrollView has one child - LinearLayout (width=match_parent, height=wrap_content as per Android Studio suggestions). When I am not using fillViewport, I see that the LinearLayout does not extend to the full screen. When I set fillViewport to true, I see that the layout extends to fill the screen (I guess this means the ScrollView extends to the full screen) - but I don't see much difference in the look and feel of the screen - so how, why and where would we need to use this attribute?

Yes you are correct. The purpose of using this attribute is if you want to stretch all the contents of ScrollView to fill the viewport.

Think it this way -

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    >
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="#000fff">

        <Button
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_gravity="bottom"
            android:text="Heelo"/>
    </LinearLayout>
</ScrollView>
```

Suppose this is the code. If you see we have only one View in the LinearLayout and you want to set it at the bottom of the screen. If you don't use the fillViewport attribute on ScrollView, the content won't stretch the viewport and it will end up showing button at the top of the screen.

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As soon as you use this attribute the LinearLayout will fill the screen viewport and set the button at the bottom of the screen.

Conclusion - Use this attribute if the child layout of ScrollView contains content less than the viewport of the screen and you want to stretch it to fill the viewport.

Try it and let me know if you have any doubts 😊

345.4. fontFamily



mahima.ms:

I was not able to resolve the warning for 'fontFamily' - how do we handle fonts in lower and higher API versions? I tried using a custom font following the steps here and used that resource value for the 'fontFamily' attribute but could not see the change in font. How can we use custom fonts?

You can read [here](#) on how to add custom fonts 😊

345.5. Context



mahima.ms:

I have read a few articles about Context. (References: What is 'Context' in Android? , What is Bundle, View, Context?) I still need some help understanding it better.

I know that Context object provides access to application resources - it provides methods such as getResources(), getAssets(), getSharedPreferences() - it provides access to databases, files, etc. It is used in the constructor for creating views and intents. I have understood that Activity is a subclass of Context, so it can be used in place of context.

ex: TextView(this), Intent(this, secondClass.class) while in an Activity class - 'this' would refer to the Activity - a context - is this a way of providing access to application resources for the TextView or the Intent? Why would a TextView need access to these resources? Are we talking about resources like colors and strings in this case?

The best way could be to dig into TextView class. Just hold the ctrl key and click on TextView class. You can see the use of context which we pass at the time of creation 😊

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345.6. Orientation Configuration Change



mahima.ms:

I have seen that a bundle can be used to save app state. We can save our required variables in a bundle and use methods `onSaveInstanceState()` and `onRestoreInstanceState()` to save and restore those values. In my case, I was able to preserve the state using `android:configChanges="orientation"` alone. What is the case where we might need to use a Bundle instead?

We should use `android:configChanges` attribute as a last resort in all other cases use the `onSaveInstanceState` and `onRestoreInstanceState`. Please read the doc I shared above for the same context

346. Font

Font fontFamily New and easy way to add and use font

<https://developer.android.com/guide/topics/ui/look-and-feel/fonts-in-xml.html>

347. Debug over Wifi

Wifi debugging android studio

Use plugin:

<https://plugins.jetbrains.com/plugin/7856-adb-wifi>

OR

1. Connect the device via USB and make sure debugging is working.
2. `adb tcpip 5555`
3. find the IP address with `adb shell netcfg` or `adb shell ifconfig` with 6.0 and higher
4. `adb connect <DEVICE_IP_ADDRESS>:5555`
5. Disconnect USB and proceed with wireless debugging.
6. `adb -s <DEVICE_IP_ADDRESS>:5555 usb` to switch back when done.

No root required!

To find the IP address of the device: run `adb shell` and then `netcfg`. You'll see it there. To find the IP address while using OSX run the command `adb shell ip route`.

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<https://stackoverflow.com/questions/4893953/run-install-debug-android-applications-over-wi-fi>

<https://futurestud.io/tutorials/how-to-debug-your-android-app-over-wifi-without-root>

<https://developer.android.com/studio/command-line/adb.html#wireless>

<https://plugins.jetbrains.com/plugin/7856-adb-wifi>

348. Android App to learn android

<https://play.google.com/store/apps/details?id=arjuntoshniwal.androidtutorials.advanced&rdid=arjuntoshniwal.androidtutorials.advanced>

349. Style and Theme on the go

Select your desired style and Instantly see how will it look like

<https://www.materialpalette.com/brown/green>

350. Android studio : Performance

<https://stackoverflow.com/questions/36861943/any-solution-for-android-studio-slow-gradle-build-and-high-disk-usage/36862637#36862637>

351. Singleton pattern to store data temporary through Application life cycle

<https://android.jlelse.eu/how-to-make-the-perfect-singleton-de6b951dfdb0>

<https://androidresearch.wordpress.com/2012/03/22/defining-global-variables-in-android/>

<https://tausiq.wordpress.com/2013/01/27/android-make-use-of-android-application-class-as-singleton-object/>

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352. TextInputLayout and TextInputEditText

<https://www.journaldev.com/14748/android-textinputlayout-example#android-textinputlayout-features>

<https://material.io/components/android/catalog/text-input-layout/>

353. Set transparent color for selector color state list

Tags: set current color transparent alpha when press click focus color state list programmatically

```
private void setColorStateList(int btnTxtColor) {
    int[][] states = new int[][]{
        new int[]{android.R.attr.state_pressed},
        new int[]{android.R.attr.state_focused},
        new int[]{android.R.attr.state_enabled}
    };

    int[] colors = new int[]{
        getAlphaTxtColor(btnTxtColor),
        getAlphaTxtColor(btnTxtColor),
        btnTxtColor
    };

    ColorStateList colorStateList = new ColorStateList(states, colors);
    setTextColor(colorStateList);
}

private int getAlphaTxtColor(int color) {
    return ColorUtils.setAlphaComponent(color, 128);
}
```

Clean up ignore files from being tracked

```
git rm -r --cached .
$ git add .
$ git commit -m "Clean up ignored files"
```

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355. Online tool for icons and image assets ldpi mdpi hdpi xhdpi xxhdpi xxxhdpi

<https://www.img-bak.in/deL5RW6PI0q6gg4BpjJy4mLj5DPQBJgA/>

<https://appicon.co/#image-sets>

<https://plugins.jetbrains.com/plugin/7658-android-drawable-importer>

<https://github.com/asystat/Final-Android-Resizer>

356. Android material design icon generator

<https://github.com/konifar/android-material-design-icon-generator-plugin>

<https://android-material-icon-generator.bitdroid.de/>

357. Material icons pack

<https://material.io/tools/icons/?style=baseline>

<https://materialdesignicons.com/>

358. Change all activity transition animation at once through style in AndroidManifest.xml

<https://stackoverflow.com/questions/8319465/how-to-change-all-the-activity-transitions-at-once-in-android-application>

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359. Android Best Practice: Manage All Gradle Versions and Numbers at one place:

<https://developer.android.com/studio/build/gradle-tips>

<https://segunfamisa.com/posts/android-gradle-extra-properties>

360. Gradle logcat

https://stackoverflow.com/questions/16626026/android-studio-and-gradle-build-error?utm_medium=organic&utm_source=google_rich_ga&utm_campaign=google_rich_ga

```
gradlew compileDebug
```

If you are using gradle wrapper (Auto, Default, Recommended setting), running below line in terminal window will show you exact information on gradle error

```
gradlew compileDebug --stacktrace
```

```
./gradlew assembleDebug --stacktrace --info
```

360.1. AAPT2 Error

361. Basic dos commands to run in terminal of Android studio for windows

<https://community.sophos.com/kb/en-us/13195>

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362. Helpful resources, plugins, add-ons, extensions, libraries and more while doing android development

https://github.com/popnfresh234/udacity_android_resources

363. Generate parcelable pojo from json response

<http://www.jsonschema2pojo.org/>

364. Github Read Me.md markdown template

<https://www.makeareadme.com/>

<https://help.github.com/articles/basic-writing-and-formatting-syntax/>

365. Animated selector Animated Drawable Animated state list drawable

<https://blog.stylingandroid.com/animatedstatelistdrawable/>

366. Totally customized view with Gradient Drawable

(setColor(ColorStateList), setCornerRadii(float[] radius), setOrientation(GradientTopToDown), setAngle(degree) and a lot more...)

<https://developer.android.com/reference/android/graphics/drawable/GradientDrawable#public-constructors>

<https://stackoverflow.com/questions/18391830/how-to-programmatically-round-corners-and-set-random-background-colors>

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367. Ripple effect: Programmatically

<https://stackoverflow.com/questions/8732662/how-to-set-ripple-effect-on-a-linearlayout-programmatically>

<https://stackoverflow.com/questions/33358183/android-ripple-background-programmatically>

<https://stackoverflow.com/questions/27787870/how-to-use-rippledrawable-programmatically-in-code-not-xml-with-android-5-0-lo>

368. Open source contribution and giants for Android

Global international platform opportunities for android:

<https://github.com/airbnb?utf8=%E2%9C%93&q=&type=&language=java>

369. View with corner radius

Which can be the Right approach?

<https://stackoverflow.com/questions/13517221/custom-layout-that-rounds-the-corners-of-its-content>

See the answer by ivagarz and tal kanel

<https://stackoverflow.com/questions/26074784/how-to-make-a-view-in-android-with-rounded-corners>

The romain guy

<http://www.curious-creature.com/2012/12/11/android-recipe-1-image-with-rounded-corners/>

370. DialogFragment cardview background

Set transparent background and make behind window dim

<https://stackoverflow.com/questions/13822842/dialogfragment-with-clear-background-not-dimmed>

<https://stackoverflow.com/questions/8045556/cant-make-the-custom-dialogfragment-transparent-over-the-fragment>

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```
Window window = getDialog().getWindow();
WindowManager.LayoutParams windowParams = window.getAttributes();
windowParams.dimAmount = 0.90f;
windowParams.flags |= WindowManager.LayoutParams.FLAG_DIM_BEHIND;
window.setAttributes(windowParams);
// set color transparent
window.setBackgroundDrawable(new ColorDrawable(Color.TRANSPARENT));
```

370.1. Change the gravity of DialogFragment

Tags: Dialog dialogue fragment at top bottom side left right start end

<https://stackoverflow.com/questions/42877015/dialogfragment-gravity-not-showing-dialog-completely-in-corner>

371. Free images

<https://www.pexels.com/>

<https://unsplash.com/>

<https://search.creativecommons.org/>

<https://mashable.com/2013/10/03/video-assets-creative-commons/#ROSbOEWDqig3>

<https://gratisography.com/>

<https://pixabay.com/>

<https://www.pexels.com/>

<http://clipart-library.com/choking-pictures.html>

Shades gives you wireframes

<http://www.designforfounders.com/shades/>

<https://www.designforfounders.com/freebie/shades/>

Google something like:

dragons "This work is licensed under a Creative Commons" site:deviantart.com

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<https://search.creativecommons.org/>

372. Wifi chat Network Secure Discovery NSD Wifi P2P PeerToPeer

<https://github.com/drulabs/LocalDash>

373. Android Drag and Drop

<http://www.androhub.com/android-drag-and-drop/>
<https://www.journaldev.com/16708/android-drag-drop>

374. ShapeOfView: CustomView library with material design 2 ready

<https://github.com/florent37/ShapeOfView>

375. Blur the background image: frosted glass

<https://android.jlelse.eu/the-blurry-frosted-background-is-a-common-pattern-on-ios-where-they-have-simply-controls-to-cbd0c5843e5f>

376. Change the color of Checkbox and Radio button

<https://mobikul.com/changing-radio-button-checkbox-appearance/>

377. Glass Frosted glass How to

Set one background.

Set another background on top of it having background color as white with 50% opacity and you are done!

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378. Detect swipe, scratch gesture over any view

Something like removing pimple, scratching a card etc...

Use drag listener on the view that requires to detect swipe or scratch over it. Use touch listener or long click listener for the parent viewGroup, startDragging it and the moment we get DRAG_ENTERED action, is the moment target has received swipe or scratch gesture.

379. Draw line on canvas with animation

<http://thisandthat.io/blog/Android-Disappearing-Lines/>

380. Google API Picker

<https://developers.google.com/maps/documentation/api-picker>

381. Google place api samples

<https://github.com/googlesamples/android-play-places>

382. Set MaxHeight to

<https://gist.github.com/dominicthomas/1a268f3a113b490f751d9fb30cdb5875>

383. Java Code Practice

<http://codingbat.com/java/Array-1>

384. Generic Type in Java

Source: Udacity free Android Basic Nanodegree course

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Here is a list of common Type Parameters:

- E - Element (used extensively by the Java Collections Framework)
- K - Key
- N - Number
- T - Type
- V - Value
- S,U,V etc. - 2nd, 3rd, 4th types (when there is more than one parameter)

By convention, they are single, uppercase letters. Don't worry, you won't need to memorize these and for the rest of this course, we will explain the ones that do come up. Learn more about Generic Types [here](#).

385. Recall Java

<https://beginnersbook.com/java-tutorial-for-beginners-with-examples/>

386. Memory monitoring

Source: Udacity Nanodegree Scholarship

1. Enable ADB Integration
2. Open memory monitor
3. Open the app
4. Note down allocated memory before executing the task you want to check memory for
5. Execute task and see the difference in allocated memory
6. Notice the change in memory graph constant
7. Execute the task again with different set-up and business logics to check the better approach
8. Done!

Side note: Udacity has dedicated course called Android Performance that focuses on Android Memory Management! <https://classroom.udacity.com/courses/ud825>

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387. Material Design

<https://material.io/design/>

<https://dribbble.com/>

<https://www.uplabs.com/android>

<https://www.smashingmagazine.com/2015/05/sketch-with-material-design/>

388. Data Binding

<https://hackernoon.com/android-butterknife-vs-data-binding-fffceb77ed88>

<https://medium.com/google-developers/no-more-findviewbyid-457457644885>

<https://medium.com/google-developers/android-data-binding-adding-some-variability-1fe001b3abcc>

<https://medium.com/google-developers/android-data-binding-recyclerview-db7c40d9f0e4>

<https://medium.com/google-developers/android-data-binding-that-include-thing-1c8791dd6038>

<https://www.androidhive.info/android-databinding-in-recyclerview-profile-screen/>

389. Custom camera preview like twitter instagram facebook etc...

<https://github.com/natario1/CameraView>

<https://github.com/CameraKit/camerakit-android>

Use ckMethod still or speed to fasten the image capturing process. Read more here:

<http://docs.camerakit.website/#/>

(CameraView seems better than it's origin CameraKit!!)

390. How to know back stack

Tags: backstack

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Use method: `isTaskRoot()` : `True`:_ No back stack. `False`:_ Has back stack.

391. What class to use to play audio file in Android?

`MediaPlayer` or `AudioManager`.

392. Difference between Debug key and Release key

For release key, we provide our `jks` file path (inclusive of our `.jks` file) and app alias.

393. Sliding up panel like vlc, google music...

Category: design, ui

Tags: Sliding up scrollable bottom sheet panel

<https://github.com/umano/AndroidSlidingUpPanel>

<http://android.amberfog.com/?p=915>

<https://github.com/Flipboard/bottomsheet>

Custom tableview

Tags: scrollable table excel sheet view custom scrollable rows and columns table view custom `tableLayout` table layout

<https://github.com/evrencoskun/TableView>

If you are using it with coordinator layout, consider to use:

```
tableView.getRowHeaderRecyclerView().setNestedScrollingEnabled(true);
tableView.getCellRecyclerView().setNestedScrollingEnabled(true);
```

Other:

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<http://www.tellmehow.co/add-tableview-for-android/>

<https://github.com/InQBarna/TableFixHeaders>

<http://www.tellmehow.co/category/android-library/>

<http://www.tellmehow.co/android-adaptivetablelayout-csv-library/>

395. Custom timeline view

Tags: progress view vertical progress view horizontal progress view stepper step progress steps

<http://www.tellmehow.co/add-android-timeline-view/>

<https://stackoverflow.com/questions/14581602/android-how-to-implement-horizontal-step-progress-bar>

396. Custom viewpager

Tags: custom view pager viewpager

<http://www.tellmehow.co/hollyviewpager-android-navigation-animation/>

397. Alphabetical sidebar

<http://www.tellmehow.co/add-wave-sidebar-animation-android/>

398. Custom expandable recyclerview

<http://www.tellmehow.co/add-expandable-recycler-android/>

399. Security Encryption Cryptography

Tags: encrypt md5 sha1 checksum cryptography

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<https://stackoverflow.com/questions/5980658/how-to-sha1-hash-a-string-in-android>

<http://www.mysamplecode.com/2011/10/android-generate-md5-hash.html>

400. Swipe shuffle stack cards

Tags: swipe shuffle stack custom cardviews cards decks deckviews on viewpager

<https://github.com/Meetic/Shuffle>

<https://github.com/Diolor/Swipecards>

<https://github.com/flschweiger/SwipeStack>

<http://blog.nkdroidsolutions.com/android-swipe-cards-like-tinder-app/>

401. Loaders

AsyncLoaders and LoaderManager

<https://www.androiddesignpatterns.com/2012/07/loaders-and-loadermanager-background.html>

402. Custom comment like dialog

Tags: custom pop up popup window pop up popup dialog dialog with arrow dialog with anchor anchor dialog comment box like comic book tooltip arrow

<https://stackoverflow.com/questions/21031488/android-popupwindow-with-tooltip-arrow>

I have used this one:

<https://github.com/douglasjunior/android-simple-tooltip>

I have given gravity and drawable arrow dynamically according to location of view in screen.

If the view is positioned above x% of the screen and the height of popup windows is y, then set the gravity z.

We can generate PR as it will be convenient for users to use auto gravity.

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403. Internet Network Connection Response

You may need to take care of both old devices (< N) and new devices (> N).

<https://stackoverflow.com/questions/48080336/how-to-handle-network-change-between-wifi-and-mobile-data>
<https://www.androidhive.info/2012/07/android-detect-internet-connection-status/>

404. Dynamic url endpoint for Retrofit

<https://futurestud.io/tutorials/retrofit-2-how-to-use-dynamic-urls-for-requests>

<https://futurestud.io/tutorials/retrofit-2-how-to-change-api-base-url-at-runtime-2>

405. Ratingbar

Unable to set fixed numbers of ratingbar start.

You cannot set match_parent or 0dp if you are using constraint layout to ratingbar.

406. Real Android Devices To Test

Test on real android devices android device lab

<https://opendevicelab.com/>

<https://saucelabs.com/devices>

<https://developer.samsung.com/remotetestlab/rtlDeviceList.action>

<https://www.device lab.org/>

407. Large Android Project Folder Due to Large .git pack folder

<https://stackoverflow.com/questions/11050265/remove-large-pack-file-created-by-git>

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408. Build intermediate resource error

Simply re-configure your .git. Delete the repo. Make new repo. Commit push add your files there. You will have fresh .git configuration folder. Done.

409. Pull to refresh

Pull to refresh is an easy thing. We just take `SwipeRefreshLayout` view as a parent wherever we want that functionality. *E.g. wrapper for RecyclerView*. Later, we simply apply `addOnRefreshListener` on that `SwipeRefreshLayout` view. We get the response in `addOnRefreshListener` method. We can call `setRefreshing` method on the view to make the in-built progressbar of `SwipeRefreshLayout` view loading or stop if already loading. We can `setRefreshing` on the view to change to color of that in-built progressbar.

However, if we are thinking to use pull to refresh functionality with a ui that contains `CoordinatorLayout`, `AppBarLayout`, `CollapsingToolbarLayout`, `ViewPager`, `TabLayout`, `RecyclerView` etc... then things can become complicated as the android system framework can easily be confused whether to drag `AppBarLayout`, `RecyclerView` or to call pull to refresh view. Things can even be more complicated if we have `ViewPager`! Because now it becomes really very difficult to decide who should consume motion event and when.

Fortunately, we have in-built listeners in rescue. We can use `onOffsetChangeListener` for `AppBar`, `onScrollStateChangeListener` or `onPageChangeListener` for `ViewPager`, `custom scroll listener` for `RecyclerView`, `scrollview` or `nested scrollview` to find and use various facts on motion events such as whether the motion event is scroll event, fling, up, down, right, left, touch, tap, long touch etc... in conjunction with `AppBarLayout` `pixelsToPositionOffset` that we can get by its `onOffsetChangeListener` and accordingly we can simply either make the `swipe to refresh view` `enable` or `disable`.

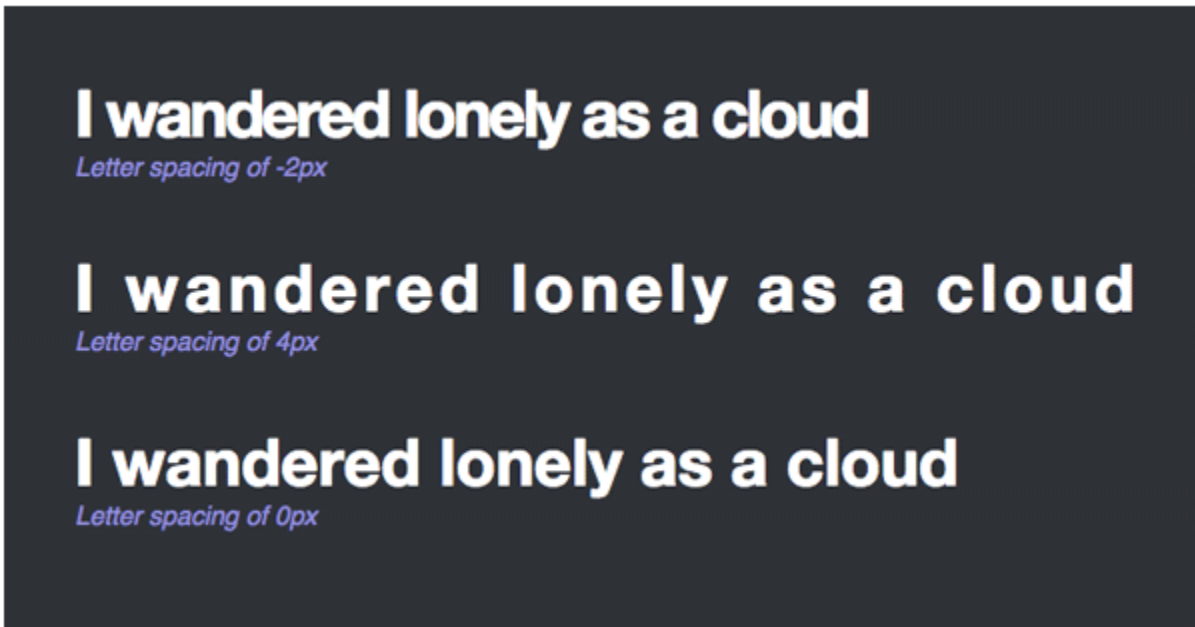
410. Letter Spacing

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For API < 21

<https://stackoverflow.com/questions/5133548/how-to-change-letter-spacing-in-a-textview>

For API >= 21

Use `setLetterSpacing(float)`

411. Custom Switch AppCompatActivity Button Style

<https://www.android-examples.com/create-material-design-custom-switch-button/>

412. Number format

1200 -> 1.2k

K for Thousands and M for millions and B for Billions and so on...

<https://stackoverflow.com/questions/41859525/how-to-go-about-formatting-1200-to-1-2k-in-android-studio>

<https://stackoverflow.com/questions/4753251/how-to-go-about-formatting-1200-to-1-2k-in-java>

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413. Keyboard listener

<https://stackoverflow.com/questions/9596010/android-use-done-button-on-keyboard-to-click-button>

414. Currency Symbol from Locale

<https://stackoverflow.com/questions/36258511/how-to-get-currency-symbol-by-currency-name>

415. Pretty Json Response Format in Android Logcat for Easy Debug

<https://coderwall.com/p/ab5qha/convert-json-string-to-pretty-print-java-gson>

<https://www.mkyong.com/java/how-to-enable-pretty-print-json-output-gson/>

<https://proandroiddev.com/effortless-network-response-logging-on-android-cedf0ebbdade1>

<https://gist.github.com/voghDev/0bd7050a675ee0f31e51>

416. Scan QR Code

<https://www.spaceotechnologies.com/qr-code-android-using-zxing-library/>

<https://github.com/journeyapps/zxing-android-embedded>

417. Android Application Showcase, Introduction, Guidance, Walk through

<https://github.com/faruktoptas/FancyShowCaseView>

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418. File path too long in windows

<https://stackoverflow.com/questions/33905687/error-file-path-too-long-on-windows-keep-below-240-characters>

Instead of moving entire project, check the answer of lodlock there.

So, in your project level gradle file, you can specify directory for build folder as below:

```
allprojects { buildDir = "C:/tmp/${rootProject.name}/${project.name}" repositories { ... } }
```

419. Android samples

Go to file -> New -> import -> import sample -> boom!

<https://developer.android.com/studio/write/sample-code>

420. Android Instant Run Demos

421. Ubuntu audio sound output problem

<https://askubuntu.com/questions/1029502/no-audio-on-ubuntu-18-04>

422. Android app links

<https://developer.android.com/training/app-links/verify-site-associations>

423. TextView beside and below image : Wrapping TextView

TextView around surround image view

<https://stackoverflow.com/questions/3176033/spannablestring-with-image-example>

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Add space before spannable string so that it will prevent the character of string being overlapped by image span.

<https://stackoverflow.com/questions/20302908/imagespan-remove-a-character-already-present-in-textview>

424. Hide api keys from vcs : Build.config

Secure API

<https://gist.github.com/VDenis/46c222b16683447bab33>

<https://medium.com/code-better/hiding-api-keys-from-your-android-repository-b23f5598b906>

<https://stackoverflow.com/questions/33134031/is-there-a-safe-way-to-manage-api-keys>

425. Gradle

425.1. Add --stacktrace, --debug, --profile, --info etc... options to see/print detailed logcat/console

<https://stackoverflow.com/questions/21674091/how-to-add-stacktrace-or-debug-option-when-building-android-studio-project>

426. Android Template

Create custom file template to speed up productivity

<https://android.jlelse.eu/supercharging-your-app-development-speed-with-custom-file-templates-3e6acb6db6c3>

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427. Android Studio Error

427.1. Gradle Error

427.1.1. Unable to start Daemon Process

427.2. AAPT Error

427.3. Uninitialized object exists on backward branch

427.4. A problem occurred evaluating project ':app'

Goto project structure -> sdk location -> uncheck and check again : use embedded jdk.

Uncheck android setting compiler option: Sync Project with Gradle before Building if needed. Uncheck that.

If it does not work, delete .gradle file.

<https://stackoverflow.com/questions/20471311/android-studio-unable-to-start-the-daemon-process>

<https://stackoverflow.com/questions/43485981/android-appcompat-v7-error>

<https://stackoverflow.com/questions/49515100/gradle-sync-failed-with-android-studio-3-1-uninitialized-object-exists-on-backw/49552113>

<https://stackoverflow.com/questions/47164768/failed-to-resolve-com-android-supportappcompat-v727-dependency-error>

428. Html color

Html.fromHtml color

<https://stackoverflow.com/questions/2730706/highlighting-text-color-using-html-fromhtml-in-android>

429. Android Configuration Change

<https://developer.android.com/guide/topics/resources/runtime-changes>

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430. Null activity in fragment

getActivity returns null

<https://stackoverflow.com/questions/11631408/android-fragment-getactivity-sometimes-returns-null>

431. Progressive Ripple in ViewGroup

Set click listener but make clickable false for children. Handle click through parent.

432. Launch Mode

By default all activities are set to have *standard* launch mode which means, there can be multiple instances. For example: Suppose Activity A has default (standard) launch mode.

Activity A starts Activity B and Activity B starts Activity A by two ways. 1. onBackPressed 2. onClickEvent (startActivity... approach)

Now, if the Activity A is started from Activity B by click event, you can have completely new instance (verify by hasCode()) of Activity A.

If you make any changes to Activity A that has been started by click event (startActivity... approach), now you press back to land in Activity B and again press back (onBackPressed), you will have old instance of Activity A which will have no changes you have made in an instance of this activity created by startActivity approach from Activity B.

If you want to persist the changes, you can force *Activity A* to have single instance by specifying *singleTop*, *singleTask* or any other based on your requirements.

For more information, head over to below links:

<https://inthecheesefactory.com/blog/understand-android-activity-launchmode/en>
<https://android.jlelse.eu/android-activity-launch-mode-e0df1aa72242>

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433. Type Parameter T has Incompatible upper bounds view data binding error

Simply, refactor the layout file, refactor again to original one and done.

<https://stackoverflow.com/questions/34368329/data-binding-android-type-parameter-t-has-incompatible-upper-bounds-viewdata>

434. AndroidX migration Error/s

<https://stackoverflow.com/questions/52294319/why-is-butterknife-9-0-0-snapshot-not-resolving/52308912#52308912>

<https://stackoverflow.com/questions/49512629/android-studio-error-default-interface-methods-are-only-supported-starting-with>

435. Glide centerCrop not working

<https://github.com/bumptech/glide/issues/2741>

Use: `override(size_original, size_original)` if you don't care of memory!
Or: load as bitmap!

Major change from v3 to v4:

<https://bumptech.github.io/glide/doc/migrating.html>

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436. Drawable Selector Ripple State list animator Translation Z all together!

<https://stackoverflow.com/questions/28844106/ripple-effect-inside-of-a-selector>

<https://blog.stylingandroid.com/ripples-part-2/>

<https://stackoverflow.com/questions/34673988/android-include-with-rippleeffect-statelistanimator>

437. Custom Progress Bar

Custom primary and secondary progress bar

Change progressbar color

Custom progressbar

Custom horizontal progress bar

<http://www.zoftino.com/android-progressbar-and-custom-progressbar-examples>

<https://www.android-examples.com/change-horizontal-progress-bar-color-in-android-programmatically/>

438. Recommended Resources:

<https://android-developers.googleblog.com/>

<http://fragmentedpodcast.com/>

<https://blog.stylingandroid.com/>

<https://chris.banes.me/>

<http://android-developers.blogspot.com/>

439. Git

Learn git and github through command

<http://git.github.io/git-reference/>

How to rename whole project package name in android?

<http://abhiandroid.com/androidstudio/how-to-change-package-name-android-studio.html>

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How to reuse android project?

<https://stackoverflow.com/questions/9516023/android-reuse-classes-in-different-projects-with-different-r-imports>

Tags: Reuse project, modules, classes, packages, Library Module, Library Projects, Android Library

<https://developer.android.com/studio/projects/android-library.html>

<https://developer.android.com/studio/projects/index.html#LibraryProjects>

https://github.com/codepath/android_guides/wiki/Building-your-own-Android-library

<http://androidstarters.com/>

<http://www.vogella.com/tutorials/AndroidLibraryProjects/article.html#use-library-project-to-update-detailed-fragments>

439.1. SharedPreferences

<http://blog.lemberg.co.uk/best-practice-sharedpreferences>

1. editor.apply() Vs editor.commit()

<https://developer.android.com/reference/android/content/SharedPreferences.Editor.html>

<https://stackoverflow.com/questions/5960678/whats-the-difference-between-commit-and-apply-in-shared-preference>

<https://www.codeday.top/2017/07/26/31306.html>

<https://mobikul.com/sharedpreference-editor-commit-vs-apply/>

439.2. startActivityForResult Vs LocalBroadcastManager

Wise usage

439.3. Persistent Storage Vs Non-persistent Storage

Wise usage

440. Github

About github badges

<https://medium.freecodecamp.org/how-to-use-badges-to-stop-feeling-like-a-noob-d4e6600d37d2>

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441. How to make android live template

Tags: super charge speed up android development live template

<https://android.jlelse.eu/supercharging-your-app-development-speed-with-custom-file-templates-3e6acb6db6c3>

442. Preview the recyclerView in xml

Tags: recyclerview, xml, preview, layout manager in xml, list item in xml

```
app:spanCount="3"
tools:itemCount="3"
app:layoutManager="androidx.recyclerview.widget.GridLayoutManager"
tools:listitem="@layout/item_product_list"
```

443. 9Patch blur

Tags: 9patch nine patch .9.png getting blur blurry nine patch

Make and use 9patch image for each density folder like mdpi, hdpi, xhdpi etc...

<https://stackoverflow.com/questions/13436567/android-9-patch-blurry>

<https://stackoverflow.com/questions/40888675/blur-edges-of-9-patch-image-of-editbox>

444. Drawable : Material shape drawable

Android material shape drawable customization to any shape you would like to give!

<https://medium.com/ackee/create-beautiful-shapes-with-materialshapedrawable-874dd46e0fd5>

445. Screen Orientation:

How to reset screen orientation configuration so that it behaves according to user set rotation settings?

Flag: user

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```
setRequestedOrientation(ActivityInfo.SCREEN_ORIENTATION_USER);
```

<https://stackoverflow.com/questions/4434027/android-video-view-orientation-change-with-buffered-video>

Set in manifest to handle video during screen orientation changes automatically:

```
android:configChanges="orientation|keyboard|keyboardHidden|screenSize|screenLayout|uiMode"
```

446. Dialog:

How to prevent host background taking touch event from dialog?

1. Do not use touch modal flag for dialog, use watch outside touch, override onTouch method, dismiss the dialog in onTouch method.
2. Take root layout of dialog as match parent, give it click listener, dismiss the dialog onClick, set children layout margin programmatically by percentage to create illusion of constraint dimension for the dialog, give root layout transparent background for that.

https://developer.android.com/reference/android/view/WindowManager.LayoutParams#FLAG_NOT_TOUCH_MODAL

https://developer.android.com/reference/android/view/WindowManager.LayoutParams#FLAG_WATCH_OUTSIDE_TOUCH

447. Keyboard:

In order to show keyboard only when user clicks on input fields, use state hidden flag for the host window. Also, do not try to close the keyboard everywhere manually (suggested in google android document). You can set multiple flags using single straight line separation: "|".

<https://stackoverflow.com/questions/2496901/android-on-screen-keyboard-auto-popping-up>

```
this.getWindow().setSoftInputMode(WindowManager.LayoutParams.SOFT_INPUT_STATE_ALWAYS_HIDDEN);
```

<https://developer.android.com/training/keyboard-input/visibility>

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448. BottomSheet

<https://www.androidhive.info/2017/12/android-working-with-bottom-sheet/>

448.1. Dismiss, Collapse or Hide bottomSheetBehaviour on click outside touch

By using custom behavior. If you don't want to allow background window getting touch event through your bottom sheet, then set onTouchListener and onClickListener to the very root layout of your bottomSheet.

<https://stackoverflow.com/questions/38185902/android-bottomsheet-how-to-collapse-when-clicked-outside>

You can set the peekheight to your bottomSheetBehavior, bottomSheetDialog or bottomSheetDialogFragment so that it will show certain portion even after getting collapse / hide state.

You can also set hideable(false) to prevent your bottom sheet from being completely invisible, collapsed, hidden - so that next time, you can expand your bottom sheet by dragging or by clicking on it's user defined controller.

449. BottomSheetBehavior

Bottom sheet behaviour on any view is possible by taking parent layout as coordinator layout and child with bottomsheetbehavior.

<https://www.journaldev.com/13086/android-bottom-sheet>

<http://blog.nkdroidsolutions.com/android-bottom-sheets-example-using-appcompat-v23-2-support-library/>

```
setPeekHeight(percentageToShowEvenInCollapseMode)
```

450. BottomSheetDialog Vs BottomSheetDialogFragment

<https://stackoverflow.com/questions/36716312/bottomsheetdialog-bottomsheetdialogfragment-which-to-use-and-how>

451. FocusableInTouchMode

<https://medium.com/@imstudio/difference-between-focusable-and-focusableintouchmode-230a2af85f00>

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452. Google Map

There are few methods using which we can have zoom animation to given lat lng or location.
We can draw circle for the give lat lng too and the circle can have user defined radius too.
We can also set multiple markers, pins on our google map.
We can clear the google map too to remove all markers, pins on it.
We can remove the existing circle too from google map if any.
We can also get exact screen coordinates on click of marker/pin too, may be using Projection API.
We can get distance in meter between two latlngs too.

453. Seekbar, Progressbar, Rangebar

Set label, floating points, themes, colors, drawables, bubbles, pins and more...

<https://uxplanet.org/top-15-seekbar-and-slider-github-ui-libraries-and-components-java-swift-kotlin-d0f6a9658be3>

<https://github.com/oli107/material-range-bar>

<https://github.com/Jay-Goo/RangeSeekBar>

454. Glide - Image loading library

If your image is small, such as logo, and if you are getting blurry and stretched image, do following:

1. Do not set scale type centerCrop
2. Do not set height and width match_parent
3. Load original size
4. Don't transform

```
.override(Target.SIZE_ORIGINAL, Target.SIZE_ORIGINAL)  
.dontTransform().
```

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455. SearchView

1. `mSearchView.setOnSearchClickListener();` It will be triggered when user clicks on searchView icon
2. `mSearchView.setOnSearchClickListener();` Expands the searchView = `setIconified(false)`
3. `mSearchView.onActionViewCollapsed();` Collapses the searchView = `setIconified(true)`
4. `mSearchView.setIconified(false);` expands the searchView and triggers `OnSearchClickListener`
5. `mSearchView.setQuery("", false);` clears the search plate (input field)
- 6.

456. SearchView - Menu Item

1. If you are using searchView as a menu item, you can call:
`searchMenuItem.collapseActionView();` to collapse the search menu item or
`searchMenuItem.expandActionView();` to expand the search menu item

457. Webview inside Coordinator layout

If you are using webview with `scrollViewBehavior` inside `CoordinatorLayout` and not actually getting that behavior, try wrapping the webview with `nestedScrollView` and apply the `scrollViewBehavior` to the `nestedScrollView`.

458. Google Location API

Do you know, with Location API, you can easily find the distance between two location in meter as below:

```
float distance = sourceLocation.distanceTo(destinationLocation);
```

OR You can also find it using lat lng as below:

```
float[] results = new float[2];
```

```
Location.distanceBetween(sourceLat, sourceLng, destinationLat, destinationLng, results);
```

And you get the return result in meter as below:

```
float distanceInMeter = results[0]
```

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459. NestedScrollView RecyclerView inside CoordinatorLayout

Tags: NestedScrollView or RecyclerView inside CoordinatorLayout gets auto scroll moves up automatically

<https://stackoverflow.com/questions/36314836/recycler-view-inside-nestedscrollview-causes-scroll-to-start-in-the-middle>

Just make the root layout focusable true and focusableInTouchMode true.

460. Order By is not working in Room

Tags: Room, OrderBy, Order By, not working, weird order, wrong order

Is data type you are trying to manage a string? You cannot make order by a string value!

461. Date Time

Struggling with any or many date time utility in android?

Read the answer given by [Basil Bourque](#) :

<https://stackoverflow.com/questions/5405610/date-difference-in-days-in-android>

461.1. From the note of Joda Time Author

<https://blog.joda.org/2014/07/threeten-backport-vs-joda-time.html>

461.2. ThreeTenAbp Vs Joda Time for Android Date Time Utilities

<https://github.com/JakeWharton/ThreeTenABP/blob/master/README.md#why-not-use-joda-time>

<https://peirr.com/jodatime-vs-threetenabp-android-datetime-tool-comparison/>

<https://stackoverflow.com/questions/38922754/how-to-use-threetenabp-in-android-project>

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461.3. How to use ThreeTenAbp?

<https://stackoverflow.com/questions/51833142/how-to-properly-use-threetenabp-to-get-the-time-in-milliseconds-between-two-date>

<https://medium.com/@nhancv/android-java-convert-timezone-with-threetenabp-b9228a812486>

<http://tutorials.jenkov.com/java-date-time/datetimetypeformatter.html>

<https://stackoverflow.com/questions/35298214/unable-to-obtain-offsetdatetime-from-temporalaccessor>

462. ProgressBar

Tags: Progressbar with multiple colors

<https://github.com/castorflex/SmoothProgressBar>

463. Vector Drawable

Need to set vector drawable programmatically? Wait, take some inspiration from here:

<https://stackoverflow.com/questions/41098015/how-to-set-vectordrawable-as-an-image-for-imageview-programmatically>

464. Webview

Unable to scroll your webview horizontally? Try:

```
mWebView.getSettings().setUseWideViewPort(true);
```

465. Deep Link

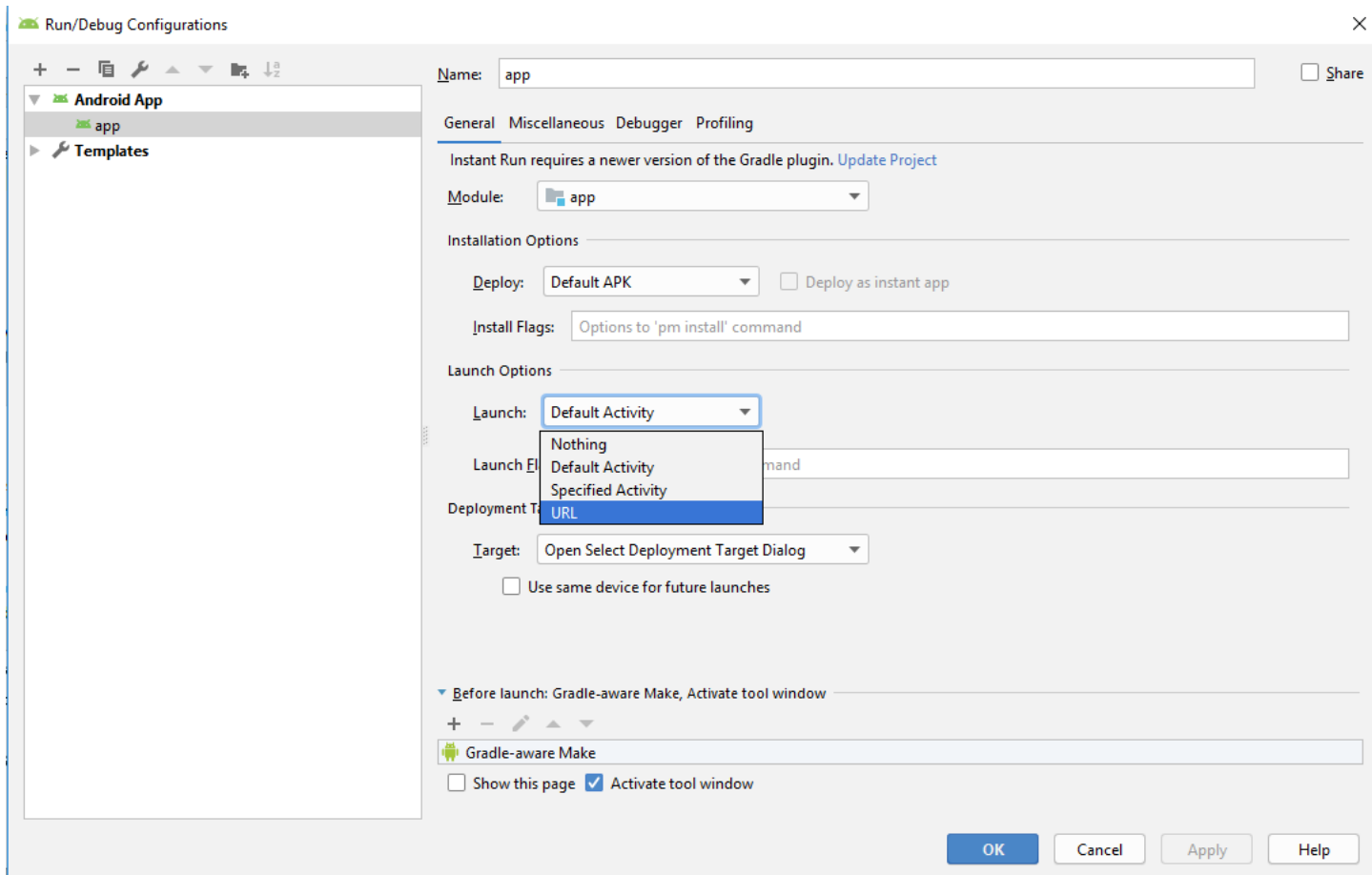
Do you know, we can test deep link easily using android studio's run configuration as below:

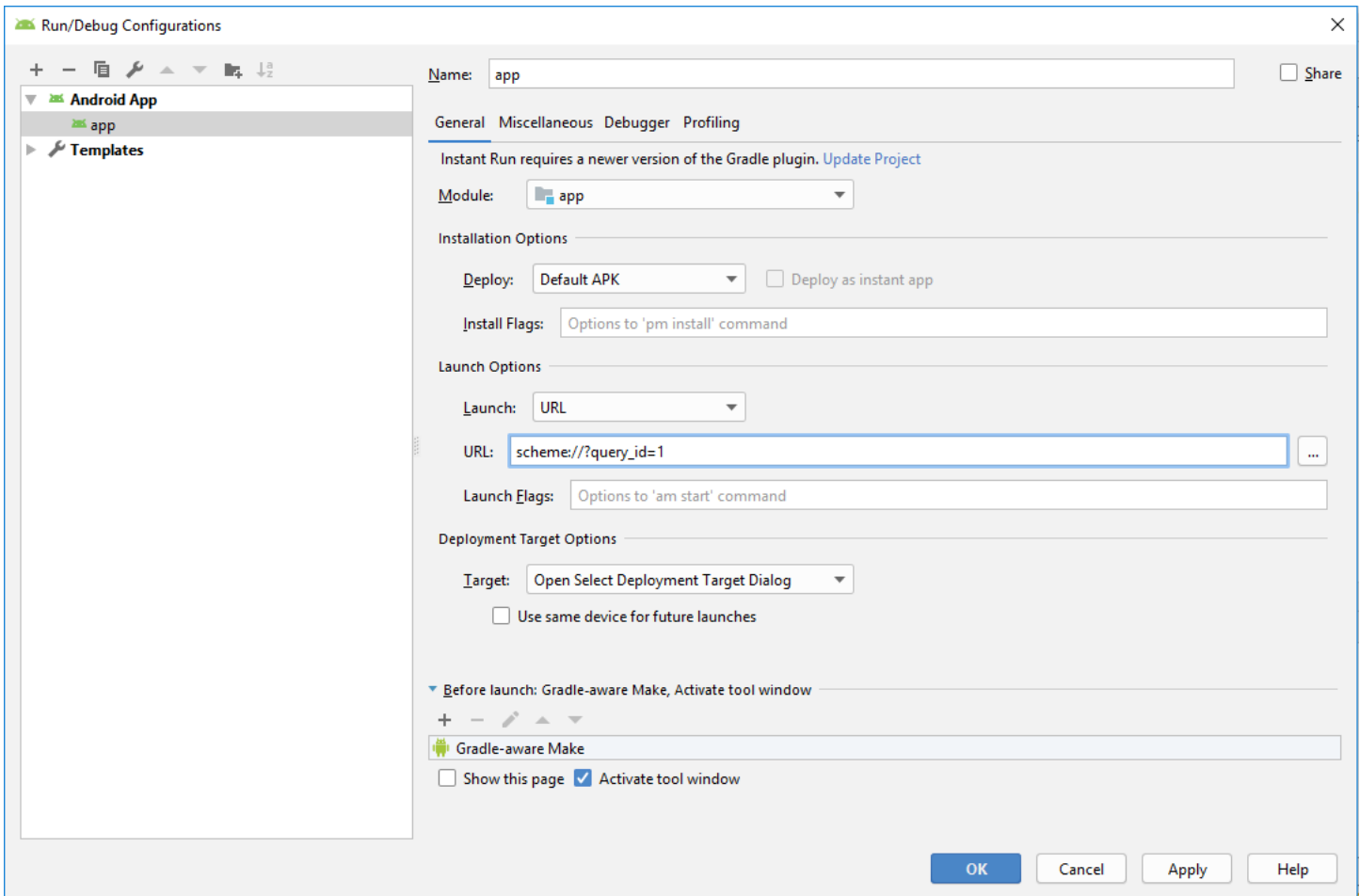
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Select URL instead of Default Activity, Provide your URL, Apply changes, Ok, Close, Run the app, Done.

465.1. App Way:

There is an app also you can test your deep linking:

<https://play.google.com/store/apps/details?id=com.manoj.dlt>

465.2. ADB Way:

<https://developer.android.com/training/app-links/deep-linking>

<https://stackoverflow.com/questions/35645414/android-deep-linking-with-multiple-query-parameters>

465.3. Deep Linking: Best Practice

<https://labs.comcast.com/deep-linking-through-a-multiple-activity-stack-on-android>

<https://proandroiddev.com/best-practices-for-deeplinking-in-android-1dc1ea060c0c>

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466. Android App Links

Do you know there is a better alternative or say, improved version of deep link in android?
It is called: Android App Links

https://www.youtube.com/watch?time_continue=297&v=lpaByLW_ctw

467. Dialog

467.1. Disable dim background

Don't want to dim the window background while showing the dialog/dialog fragment?

<https://stackoverflow.com/questions/3113812/calling-android-dialog-without-it-fading-the-background>

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
  <style name="Theme.DoNotDim" parent="android:Theme">
    <item name="android:backgroundDimEnabled">false</item>
  </style>
</resources>
```

Set this theme or add that item element to your existing theme for activity or application in manifest.

467.2. Resize / Full size dialog / dialog fragment

Override `onActivityCreated` method, get dialog, get window, set layout params on window, done.

468. ExoPlayer

Going to use MediaPlayer? Think about better alternative: ExoPlayer!

<https://developer.android.com/guide/topics/media/exoplayer>

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469. Activity or view null issue in fragment?

<https://stackoverflow.com/questions/11631408/android-fragment-getactivity-sometimes-returns-null>

469.1. How to store fragment's state?

<https://stackoverflow.com/questions/7951730/viewpager-and-fragments-whats-the-right-way-to-store-fragments-state/9646622#9646622>

469.2. Getting old fragment reference but not for new fragment in FragmentPagerAdapter?

<https://stackoverflow.com/questions/9727173/support-fragmentpageradapter-holds-reference-to-old-fragments/9745935#9745935>

470. Dynamically add remove fragment from viewpager

<https://stackoverflow.com/questions/13664155/dynamically-add-and-remove-view-to-viewpager/44281299>

DataBinding issue with package name having capital letters

Tags: data binding, couldn't guess, capital letter, uppercase lett

<https://stackoverflow.com/a/50115802/5492211>

If you don't specify class in data tag of xml, DataBinding by default creates a package for you and saves generated class there. However, it assumes package name having all the letters in lowercase. So, if it gets any uppercase letter in package name, it throws couldn't guess *yourpackagepath*. But, android data binding also gives us flexibility to define package to put generated binding class. You can give full path to store generated class as below:

https://developer.android.com/topic/libraries/data-binding/generated-binding#custom_binding_class_names

...

```
<data class="com.example.ContactItem">
```

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```
...  
</data>  
...
```

ViewPager: Customize scrolling of viewPager

Tags: viewPager scroll control animation customisation

<https://stackoverflow.com/questions/8155257/slowing-speed-of-viewpager-controller-in-android>

Figma for ubuntu

<https://github.com/ChugunovRoman/figma-linux>

471. Room

Do you know, room supports entity inheritance? We don't have to assign parent class as an entity, just columnInfo for desired, common columns and their getters-setters is enough.

<https://stackoverflow.com/questions/52035282/can-i-extend-a-simple-object-class-to-create-a-room-database-object>

<https://stackoverflow.com/questions/54161231/android-room-entity-inheritance>

<https://stackoverflow.com/questions/53213482/how-to-use-entity-class-which-extends-another-class-in-a-room>

<https://stackoverflow.com/questions/46317047/does-room-support-entity-inheritance>

471.1. Type Converter in Room

So that you can use custom object and/or list of custom object in your entity. Type converter makes custom object of your entity into string and your getter methods gives you the same custom object.

471.2. Primary Key

Do you know you can override @PrimaryKey when you use inheritance in room?

You can also use string as your @PrimaryKey. Just give it a @NonNull annotation and as a safety, assign the field any value initially.

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<https://developer.android.com/reference/android/arch/persistence/room/PrimaryKey>

Each Entity must declare a primary key unless one of its super classes declares a primary key. If both an Entity and its super class defines a PrimaryKey, the child's PrimaryKey definition will override the parent's PrimaryKey.

472. Image Tiling

Do you know we can tiling the image in android?

Programmatically:

<https://android--code.blogspot.com/2015/11/android-layout-tiled-background.html>

Xml:

<https://stackoverflow.com/questions/8899222/tiling-images-in-android-with-imageview-in-xml>
<http://tonylukasavage.com/blog/2011/06/01/android-quick-tip--tiling-a-background-image/>
<https://stackoverflow.com/questions/2706913/how-to-make-an-apps-background-image-repeat>

473. RecyclerView: Custom Staggered Grid View

Tags: custom staggeredGridLayoutManager, uneven grid, custom grid

<https://github.com/jacobmoncur/QuiltViewLibrary>

<https://github.com/felipecsl/AsymmetricGridView>

474. RecyclerView: Custom ItemDecoration

Tags: recycler view, custom divider for grid view, gridLayoutManager

<https://stackoverflow.com/questions/39490124/gridlayoutmanager-with-custom-divider>
<https://bignerdranch.github.io/simple-item-decoration/>
<https://stackoverflow.com/questions/35890627/drawable-dividers-for-a-gridview>

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475. Dialog

Weird dialog positive and negative button in android material dialog

Positive and negative buttons of material dialog are too close with each other in distance.

Very less no distance between positive and negative buttons of material dialog.

Tags: androidx, material component.

Change the theme to use material...bridge.

<https://stackoverflow.com/questions/52293029/material-components-theme-dialog-buttons-go-puffy-after-changing-theme-of-applic>

476. RecyclerView

List of EditTexts, EditTexts in RecyclerView item

Tags: input fields as a part of an item in RecyclerView

Do not notify. Just set value in object using TextWatcher and get value from object to bind in viewholder.

<https://demonuts.com/android-recyclerview-with-edittext/>

477. RecyclerView

EditText gets focus on second click

Tags: EditText requires second tap two clicks two times touch to gain the focus, editText in recyclerView

<https://stackoverflow.com/questions/20406472/edittext-in-listview-loses-focus-when-pressed-on-android-4-x>
<https://stackoverflow.com/questions/54518404/why-android-pie-requires-double-tap-to-sustain-focus-on-an-edit-text-that-is-an>

478. Gradle

Speed up gradle build time:

<https://www.journaldev.com/12333/increase-gradle-build-speed>

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<https://medium.com/coding-blocks/bringing-android-app-build-times-down-by-95-at-zomato-a505d938e9b8>

<https://developer.android.com/studio/build/optimize-your-build#optimize>

479. RecyclerView: search, filter

<https://www.androidhive.info/2017/11/android-recyclerview-with-search-filter-functionality/>

480. List: Cast child class to parent class

Tags: java, list, arrayList, child, subclass, parent, base, cast, convert, field, value

```
List<BaseClass> baselist = new ArrayList<>(sublist);
```

481. BottomSheetDialog behavior:

Tags: Enable Disable Control drag dragging of bottomSheetBehavior layout bottom

Check lockableBottomSheetBehavior - It is working.

<https://stackoverflow.com/questions/35794264/disabling-user-dragging-on-bottomsheet>

482. Copyright Author Default Live Template

Tags: default comment copyright author for new class creating new class

<https://stackoverflow.com/questions/21160288/change-author-template-in-android-studio>

<https://stackoverflow.com/questions/20109203/android-studio-how-to-remove-update-the-created-by-comment-added-to-all-new-c>

<https://stackoverflow.com/questions/17345381/how-to-add-copyright-to-android-studio>

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483. RegEx Pattern

Do you know making RegEx is quite easy and convenient in android studio?

<https://developer.android.com/reference/java/util/regex/Pattern>

<https://stackoverflow.com/questions/27985637/android-studio-regex-not-working>

484. Coordinator NestedScrollView RecyclerView

Tags: coordinatorlayout with nestedscrollview and recyclerView causes last item to be cut off, coordinatorlayout nestedscrollview recyclerView last item cuts off, last item, bottom item, cut, not showing up, unable to scroll upto last item, bottom item...

The issue is with AppBarLayout. As of workaround, we have to give recyclerView same margin/padding as of AppBarLayout (or it's immediate child) or same margin/padding to recyclerView as of fixed height of AppBarLayout or it's immediate child.

There are other workarounds also you may want to look on:

<https://stackoverflow.com/questions/49566074/recyclerview-in-coordinatorlayout-cutting-off-last-item>

<https://stackoverflow.com/questions/51342917/last-item-in-recyclerview-is-cut-off>

<https://stackoverflow.com/questions/48250559/appbarlayout-cuts-the-top-of-the-first-recyclerview-item>

<https://stackoverflow.com/questions/31097219/recyclerview-cutting-off-last-item>

<https://stackoverflow.com/questions/36314836/recycler-view-inside-nestedscrollview-causes-scroll-to-start-in-the-middle>

<https://stackoverflow.com/questions/32742724/recyclerview-is-cutting-off-the-last-item>

<https://stackoverflow.com/questions/43432930/last-item-in-recyclerview-inside-a-nestedscrollview-is-cut-landscape-orientat>

<https://stackoverflow.com/questions/33863306/last-item-on-listview-is-cut-off/35162647>

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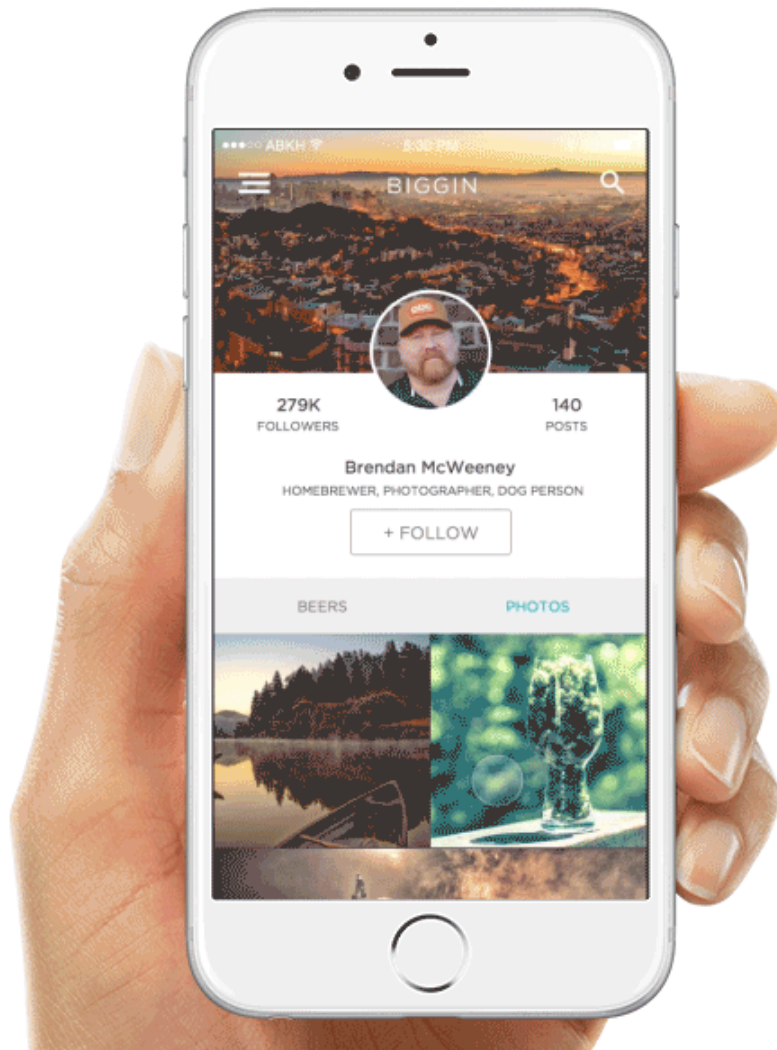
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485. Collapsing profile animation

Tags: coordinatorLayout, collapsingToolBar, nestedScrollView, profile, image, user, animation

<https://stackoverflow.com/questions/52088399/collapsingtoolbarlayout-move-custom-text-to-center-when-scrolling>

<https://stackoverflow.com/questions/52069383/how-to-make-this-profile-picture-moving-with-collapsing-toolbar-layout-in-android>



<https://github.com/SergeyBurlaka/CollapsingAvatarToolbarSample>

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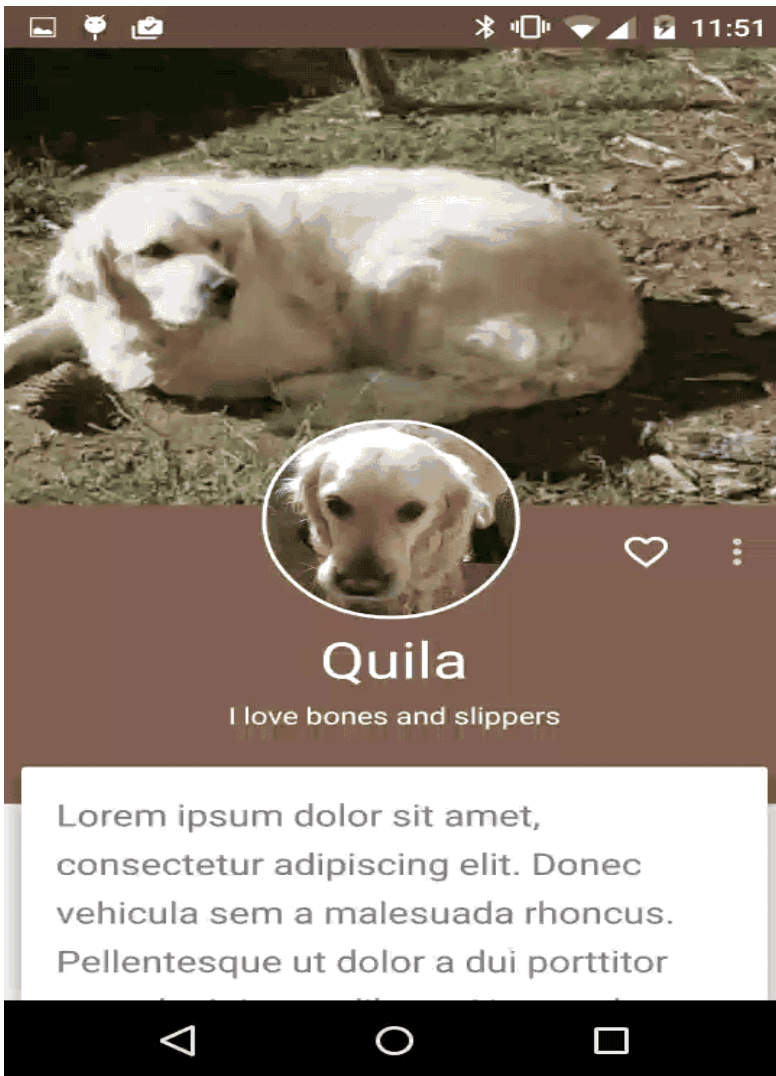
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<https://github.com/saulmm/CoordinatorBehaviorExample>



486. CollapsingToolbar

Tags: stop collapsingToolbarLayout, do not completely collapse

<https://stackoverflow.com/questions/31598313/stop-scroll-on-collapsingtoolbarlayout-so-it-doesnt-completely-collapse>

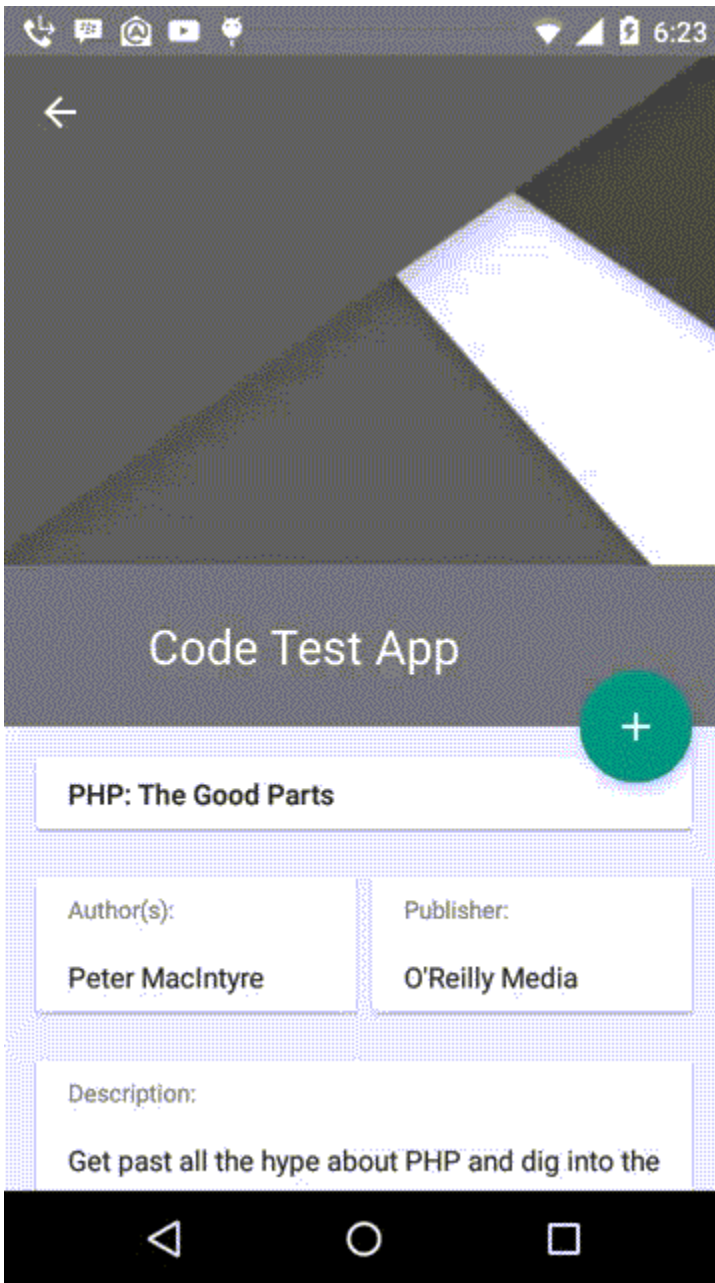
Just give minHeight to your collapsingToolbarLayout.

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487. Motion layout

Tags: coordinatorLayout, collapsingToolbar, nestedScrollView, profile, image, user, animation

<https://riggaroo.co.za/android-motionlayout-tutorial-collapsing-view/>

<https://medium.com/google-developers/introduction-to-motionlayout-part-i-29208674b10d>

<https://proandroiddev.com/motionlayout-shapeofview-26a7ab10142f>

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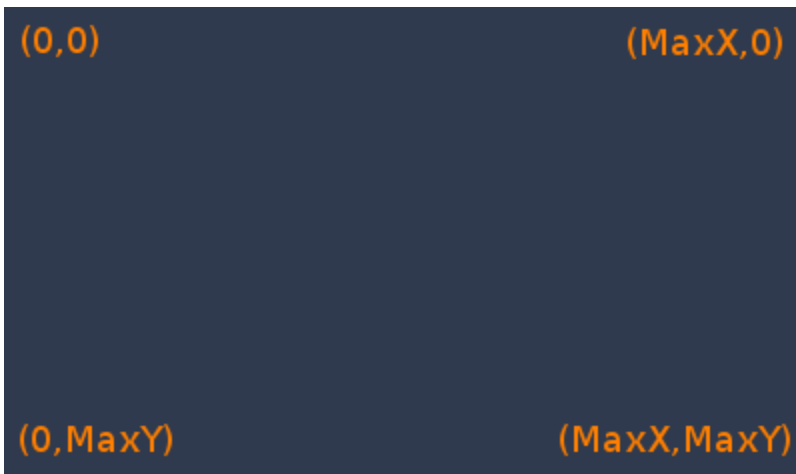
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<https://blog.mindorks.com/getting-started-with-motion-layout-android-tutorials>

<https://medium.com/google-developers/defining-motion-paths-in-motionlayout-6095b874d37>

488. XY Coordinates in Android



Understand difference among: getY(), getHeight() and getTop(). Similarly, getX(), getWidth() and getLeft().

<https://stackoverflow.com/questions/30202379/android-views-gettop-getleft-getx-gety-getwidth-getheight-meth>

490. CoordinatorLayout AppBarLayout Behavior

Programmatically set appbar scrolling view behavior

<https://stackoverflow.com/questions/33707337/setting-applayout-behavior-programmatically/33707476>

```
CoordinatorLayout.LayoutParams params = (CoordinatorLayout.LayoutParams)
yourView.getLayoutParams(); params.setBehavior(new AppBarLayout.ScrollingViewBehavior());
yourView.requestLayout();
```

491. Custom RadioButton CheckBox

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<https://stackoverflow.com/questions/19163628/adding-custom-radio-buttons-in-android>

492. Room

492.1. Room Entity with List field

Tags: room entity object class list

<https://mobikul.com/add-typeconverters-room-database-android/>

<https://stackoverflow.com/questions/47753396/android-room-handling-list-of-objects-in-an-object-and-querying-result>

<https://stackoverflow.com/questions/44580702/android-room-persistent-library-how-to-insert-class-that-has-a-list-object-fie>

492.2. Embedded

Add tutorial links

<https://developer.android.com/reference/android/arch/persistence/room/Embedded>

Sagar:

An entity can have custom object as a field. If we want to include all the fields of that custom object as columns for our current entity, we give @Embedded annotation to that custom object field in our entity class.

<https://stackoverflow.com/questions/46395775/how-to-work-with-nested-relationships-in-room>

492.3. TypeConverter

You can give TypeConverter annotation to the field of the entity, to entire entity class and to entire database class.

<https://commonsware.com/AndroidArch/previews/room-and-custom-types>

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@TypeConverters Location

Affected Areas

Entity class	all fields in the entity
Entity field	that one field in the entity
DAO class	all methods in the DAO
DAO method	that one method in the DAO, for all parameters
DAO method parameter	that one parameter on that one method
POJO	all fields on the POJO

Add tutorial links

493. Web url validation

Android Pattern matches or Java Url will not consider custom domain and can give false results for custom domain. As a solution, we better use our custom regex.

Read the comment by commonsWare there about the issue:

<https://stackoverflow.com/questions/29311841/android-pattern-matcher-with-new-top-level-domains>

<https://stackoverflow.com/questions/11007008/whats-the-best-way-to-check-if-a-string-contains-a-url-in-java-android/11007981#11007981>

```
public static final String URL_REGEX = "^((https?|ftp)://|(www|ftp)\\.)?[a-z0-9-]+(\\. [a-z0-9-]+)+([/?].*)?$"; Pattern p = Pattern.compile(URL_REGEX); Matcher m = p.matcher("example.com");//replace with string to compare if(m.find()) { System.out.println("String contains URL"); }
```

If you don't care about protocol (http, https, ftp etc...), you can use below:

Read other answers and comments also there:

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<https://stackoverflow.com/questions/3809401/what-is-a-good-regular-expression-to-match-a-url>

```
[ -a-zA-Z0-9@:~#%_+.\- ]{2,256} \. [a-z]{2,6} \b ( [ -a-zA-Z0-9@:~#%_+.\- ]* )
```

494. Tools and Tips

494.1. See api calls, requests, response

Tags: inspect, analyze, check, print, show, log android api calls, request, response, pretty format

Paste link here. Android Profiler is not showing multipart request properly. There is a tool that shows our request direct in chrome/browser live.

494.2. Debug Database

Tags: inspect, see, show, log, easy analysis interact with android database

Amit shekhar debug db

Paste link here

495. Coordinator AppBar Collapsing Behavior

<https://stackoverflow.com/questions/30846265/how-to-center-the-title-of-a-collapsingtoolbarlayout>

496. Twitter

<https://www.androhub.com/android-twitter-integration/>

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497. Chore Java

497.1. Equal

498. Google Place SDK

<https://github.com/googlemaps/android-places-demos>

Get place detail from place id returned by AutoCompletePrediction:
(Useful for custom search ui)

Check:

<https://developers.google.com/places/android-sdk/autocomplete>

```
// Create a new token for the autocomplete session. Pass this to
FindAutocompletePredictionsRequest,
// and once again when the user makes a selection (for example when calling
fetchPlace()).
AutocompleteSessionToken token = AutocompleteSessionToken.newInstance();

// Create a RectangularBounds object.
RectangularBounds bounds = RectangularBounds.newInstance(
    new LatLng(-33.880490, 151.184363),
    new LatLng(-33.858754, 151.229596));
// Use the builder to create a FindAutocompletePredictionsRequest.
FindAutocompletePredictionsRequest request = FindAutocompletePredictionsRequest.builder()
// Call either setLocationBias() OR setLocationRestriction().
    .setLocationBias(bounds)
    // .setLocationRestriction(bounds)
    .setCountry("au")
    .setTypeFilter(TypeFilter.ADDRESS)
    .setSessionToken(token)
    .setQuery(query) //This is the main part: The query from searchView or editText
    .build();

placesClient.findAutocompletePredictions(request).addOnSuccessListener((response) -> {
    for (AutocompletePrediction prediction : response.getAutocompletePredictions()) {
        Log.i(TAG, prediction.getPlaceId());
        Log.i(TAG, prediction.getPrimaryText(null).toString());
    }
}
```

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```

    }).addOnFailureListener((exception) -> {
        if (exception instanceof ApiException) {
            ApiException apiException = (ApiException) exception;
            Log.e(TAG, "Place not found: " + apiException.getStatusCode());
        }
    });

```

<https://developers.google.com/places/android-sdk/place-details>

```

// Define a Place ID.(You can get it from: autoCompletePrediction.getPlaceId())
String placeId = "INSERT_PLACE_ID_HERE";

// Specify the fields to return (in this example all fields are returned).
List<Place.Field> placeFields = Arrays.asList(Place.Field.ID, Place.Field.NAME);
// List<Place.Field> placeFields = Arrays.asList(Place.Field.Values());

// Construct a request object, passing the place ID and fields array.
FetchPlaceRequest request = FetchPlaceRequest.builder(placeId, placeFields).build();

placesClient.fetchPlace(request).addOnSuccessListener((response) -> {
    Place place = response.getPlace();
    Log.i(TAG, "Place found: " + place.getName());
}).addOnFailureListener((exception) -> {
    if (exception instanceof ApiException) {
        ApiException apiException = (ApiException) exception;
        int statusCode = apiException.getStatusCode();
        // Handle error with given status code.
        Log.e(TAG, "Place not found: " + exception.getMessage());
    }
});

```

499. SearchView

Want focus listener on searchView? Try: `onQueryTextFocusChangeListener` instead of `onFocusChangeListener`!

500. String

Removing html format is easy:

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```
Html.fromHtml(data).toString();
```

501. Format your sqlite queries and check query score:

<https://poorsql.com/>

<https://www.eversql.com/sql-syntax-check-validator/>

502. Ripple

From drawable, Understand what is mask and what can we do in ripple drawable from styling android:

<https://blog.stylingandroid.com/ripples-part-2/>

<https://stackoverflow.com/questions/31941753/how-to-make-a-circular-ripple-on-a-button-when-its-being-clicked>

<https://trickyandroid.com/simple-ripple-reveal-elevation-tutorial/>

503. Database Queries

When you pass -1 as limit, you get all data!

504. List and Collections

504.1. Fixed size list

<https://stackoverflow.com/questions/5196113/any-way-to-set-max-size-of-a-collection>

OR

A generic method:

```
public static List getFixedSizeList (List mList, Object classOfListType, int limit,
boolean fromTop, List defaultReturn) {

//
Check if the incoming mList is not null not empty.
```

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```
Check size of incoming mList and compare it with limit
If the size is less than limit, return the mList itself. Otherwise -
Take new empty list of given class type from second argument
If fromTop is true: start from 0 of a list, otherwise -
If fromTop is false: start from end of the list.
Add elements to empty new list upto given limit using for loop.
Return the list!
}
```

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