**Week 2**

**Adding the App Bar**

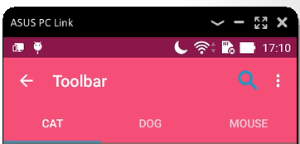
* Setting Up the App Bar
  + [Toolbar](https://developer.android.com/intl/zh-tw/reference/android/widget/Toolbar.html)
* [Adding Action Buttons](http://developer.android.com/intl/zh-tw/training/appbar/actions.html)
  + [Drawable Resources](http://pmd.asus.com:8180/display/AMAX/Drawable+Resources)
  + [MenuResources](https://developer.android.com/guide/topics/resources/menu-resource.html)
* ~~Styling the Action Bar~~
* ~~Overlaying the Action Bar~~
* [Adding an Up Action](http://developer.android.com/intl/zh-tw/training/appbar/up-action.html)
* [Action Views and Action Providers](http://developer.android.com/intl/zh-tw/training/appbar/action-views.html)
* [Creating Swipe Views with Tabs](http://developer.android.com/intl/zh-tw/training/implementing-navigation/lateral.html)
* [延伸閱讀：Styling with Material Theme](http://www.murrayc.com/permalink/2014/10/28/android-changing-the-toolbars-text-color-and-overflow-icon-color/)
* [延伸閱讀：Material Theme AppBar](http://android-developers.blogspot.tw/2014/10/appcompat-v21-material-design-for-pre.html)
* [延伸閱讀：Sliding Tabs 1](http://blog.tonycube.com/2015/06/android-slidingtab.html)
* [延伸閱讀：Sliding Tabs 2](http://www.android4devs.com/2015/01/how-to-make-material-design-sliding-tabs.html)

上述諸多課程已於2015/10月撤掉，只留尚有連結的內容

**Exercise:**

Understand different Action Bar/App Bar characteristics when implemented in different API levels.

Please implement using the Tab Indicator showing at least 3 tabs.  
When user swipes from left to right (or right to left), tabs and the contents below should also change accordingly.



FragmentStatePagerAdapter 可以使用動態增加fragment, 只需改變getCount()的return參數再將adapter做notifyDataSetChanged()即可, 不過由於此案例還有swipe tab, 因此還需重新設定tab的view, 否則移至新頁會造成crash, 但經過測試後發現它也有缺點, 就是它只會載入左右的兩頁fragment, 因此如果直接輸入viewPager.setCurrentItem(position), fragment並不會產生資料, 因此必須手動讀取想要頁面的資料, 但如果是在notifyDataSetChanged()之後立刻做的話, 新增頁&首兩頁皆可產生資料, 新增頁是因為剛新增所以有去讀一遍新增頁(末頁)的fragment而首兩頁則是預設會跑到首兩頁, 所以會去讀fragment