

## MENU: BOTTOM NAVIGATION BAR

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The menu is called **Bottom Navigation Bar**.

- The menu is at the bottom of our view .
- Each menu tab will be represented using an icon and text.

This menu is for applications that have navigation with **a number of tabs between 3 and 5**.

### ADD DEPENDENCIES

The first step will be to add the dependencies to use the library. Here are the dependencies:

```
1 compile 'com.android.support:appcompat-v7:25.1.0'  
2 compile 'com.android.support:design:25.1.0'  
3 compile 'com.android.support:support-v4:25.1.0'
```

### DEFINE THE MENU

The next step is to define the tabs of the menu.

Create a *bottom\_navigation\_items* XML file in the menu folder of your application.

The XML file will look like this:

```
<menu  
  xmlns:android="http://schemas.android.com/apk/res/android">  
  
  <item  
    android:id="@+id/home"  
    android:icon="@drawable/icon_home"  
    android:title="home"/>  
  
  <item  
    android:id="@+id/twitter"  
    android:icon="@drawable/icon_twitter"  
    android:title="twitter"/>  
  
  <item  
    android:id="@+id/web"  
    android:icon="@drawable/web"  
    android:title="web"/>  
  
</menu>
```

It can be seen in this file that each tab will be defined by an item tag.

For this example, there are 3 tabs for the menu. Each tab has 3 attributes:

- **id:** Retrieves the action in the activity
- **icon:** Define the image corresponding to the tab
- **title:** Define the title corresponding to the tab

## SHOW THE MENU

Now menu is set, we should add it to the view. For that, the xml file of your activity should contain the following codes:

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    android:id="@+id/activity_main"
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <android.support.design.widget.BottomNavigationView
        android:id="@+id/bottom_navigation"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:background="@color/colorPrimary"
        app:itemIconTint="@color/nav_item_state_list"
        app:itemTextColor="@color/nav_item_state_list"
        app:menu="@menu/bottom_navigation_items"/>

</RelativeLayout>
```

## MAIN ACTIVITY - HINT CODE

```
package com.coding180.com.bottomnavigationbar

import android.os.Bundle
import android.support.design.widget.BottomNavigationView
import android.support.v7.app.AppCompatActivity
import android.view.MenuItem
import android.view.View
import android.widget.Toast

class KotlinMainActivity : AppCompatActivity() {

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
    }
}
```

```
        val bottomNavigation = findViewById<View>(R.id.bottom_navigation) as
BottomNavigationView
        bottomNavigation.setOnNavigationItemSelectedListener { item ->
            when (item.itemId) {

                R.id.home -> // Action when tab 1 selected
                    Toast.makeText(this@KotlinMainActivity, "home",
Toast.LENGTH_SHORT).show()
                R.id.twitter -> // Action when tab 2 selected
                    Toast.makeText(this@KotlinMainActivity, "twitter",
Toast.LENGTH_SHORT).show()
                else -> // Action when tab 3 selected
                    Toast.makeText(this@KotlinMainActivity, "other",
Toast.LENGTH_SHORT).show()
            }
            true
        }
    }
}
```