

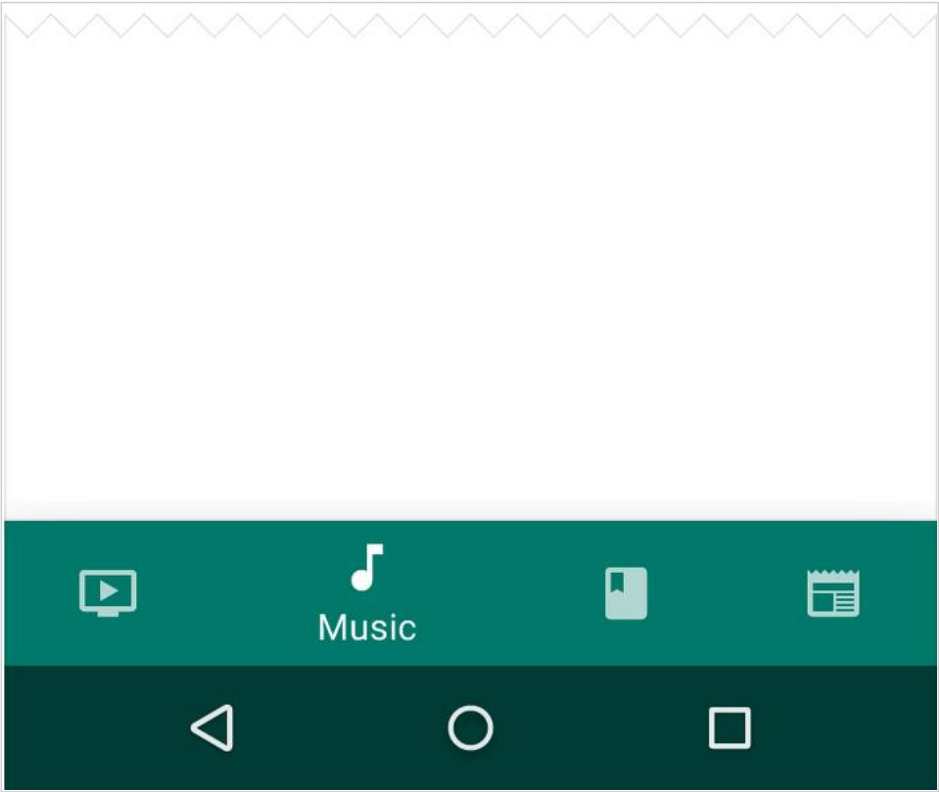


Android BottomNavigationBar底部导航控制器使用方法详解

作者: 请叫我小东子 字体: [增加 减小] 类型: 转载 时间: 2016-03-23 我要评论

这篇文章主要为大家详细介绍了Android BottomNavigationBar底部导航控制器使用方法，感兴趣的小伙伴们可以参考一下

最近Google在自己推出的Material design中增加了Bottom Navigation导航控制。Android一直没有官方的导航控制器，自己实现确实是五花八门，有了这个规定之后，就类似苹果的底部Toolbar，以后我们的APP就会有一致的风格，先看一张效果：



这是官方在Material design中给出一张图，确实很不错。

1.BottomNavigationBar的下载地址

<https://github.com/Ashok-Varma/BottomNavigation>

2.使用的方法

2.1在Gradle中添加

```
compile 'com.ashokvarma.android:bottom-navigation-bar:0.9.5'
```

2.2布局实现

```
<com.ashokvarma.bottomnavigation.BottomNavigationBar
    android:layout_gravity="bottom"
    android:id="@+id/bottom_navigation_bar"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"/>
```

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2.3类中Activity中添加BottomNavigationBar

```
BottomNavigationBar bottomNavigationBar = (BottomNavigationBar) findViewById(R.id.bottom_nav);

bottomNavigationBar
    .addItem(new BottomNavigationBarItem(R.drawable.ic_home_white_24dp, "Home"))
    .addItem(new BottomNavigationBarItem(R.drawable.ic_book_white_24dp, "Books"))
    .addItem(new BottomNavigationBarItem(R.drawable.ic_music_note_white_24dp, "Music"))
    .addItem(new BottomNavigationBarItem(R.drawable.ic_tv_white_24dp, "Movies & TV"))
    .addItem(new BottomNavigationBarItem(R.drawable.ic_videogame_asset_white_24dp, "Games"));
    .initialise();
```

2.4设置事件监听器TabChangeListener

```
bottomNavigationBar.setTabSelectedListener(new BottomNavigationBar.OnTabSelectedListener() {
    @Override
    public void onTabSelected(int position) {
    }
    @Override
    public void onTabUnselected(int position) {}
    @Override
    public void onTabReselected(int position) {
    }
});
```

3.案例的实现

布局文件

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:app="http://schemas.android.com/apk/res-auto" android:layout_width="match_parent"
    android:layout_height="match_parent"
    app:layout_behavior="@string/appbar_scrolling_view_behavior"
    tools:showIn="@layout/activity_navigation_view_demo"
    tools:context="com.lidong.demo.navigation_view.BottomNavigationBarDemoActivity">

    <LinearLayout
        android:id="@+id/tb"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical" />
    <com.ashokvarma.bottomnavigation.BottomNavigationBar
        android:id="@+id/bottom_navigation_bar"
        android:layout_width="match_parent"
        android:layout_alignParentBottom="true"
        android:layout_height="wrap_content"/>
</RelativeLayout>
```

Activity的代码:

```
package com.lidong.demo.navigation_view;

import android.app.FragmentManager;
import android.app.FragmentTransaction;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.util.Log;

import com.ashokvarma.bottomnavigation.BottomNavigationBar;
import com.ashokvarma.bottomnavigation.BottomNavigationBarItem;
import com.lidong.demo.R;

/**
 * BottomNavigationBar实现
 */
public class BottomNavigationBarDemoActivity extends AppCompatActivity implements BottomNavi;

    private BottomNavigationBar bottomNavigationBar;
    int lastSelectedPosition = 0;
    private String TAG = BottomNavigationBarDemoActivity.class.getSimpleName();
```

```

private LocationFragment mLocationFragment;
private FindFragment mFindFragment;
private FavoritesFragment mFavoritesFragment;
private BookFragment mBookFragment;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_navigation_view_demo);
    Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
    setSupportActionBar(toolbar);
    bottomNavigationBar = (BottomNavigationBar) findViewById(R.id.bottom_navigation_bar);

    bottomNavigationBar
        .addItem(new BottomNavItem(R.mipmap.ic_location_on_white_24dp, "位置").setActiveColor(R.color.colorPrimary))
        .addItem(new BottomNavItem(R.mipmap.ic_find_replace_white_24dp, "发现").setActiveColor(R.color.colorPrimary))
        .addItem(new BottomNavItem(R.mipmap.ic_favorite_white_24dp, "爱好").setActiveColor(R.color.colorPrimary))
        .addItem(new BottomNavItem(R.mipmap.ic_book_white_24dp, "图书").setActiveColor(R.color.colorPrimary))
        .setFirstSelectedPosition(lastSelectedPosition)
        .initialise();

    bottomNavigationBar.setTabSelectedListener(this);
    setDefaultFragment();
}

/**
 * 设置默认的
 */
private void setDefaultFragment() {
    FragmentManager fm = getFragmentManager();
    FragmentTransaction transaction = fm.beginTransaction();
    mLocationFragment = LocationFragment.newInstance("位置");
    transaction.replace(R.id.tabs, mLocationFragment);
    transaction.commit();
}

@Override
public void onTabSelected(int position) {
    Log.d(TAG, "onTabSelected() called with: " + "position = [" + position + "]");
    FragmentManager fm = this.getFragmentManager();
    //开启事务
    FragmentTransaction transaction = fm.beginTransaction();
    switch (position) {
        case 0:
            if (mLocationFragment == null) {
                mLocationFragment = LocationFragment.newInstance("位置");
            }
            transaction.replace(R.id.tb, mLocationFragment);
            break;
        case 1:
            if (mFindFragment == null) {
                mFindFragment = FindFragment.newInstance("发现");
            }
            transaction.replace(R.id.tb, mFindFragment);
            break;
        case 2:
            if (mFavoritesFragment == null) {
                mFavoritesFragment = FavoritesFragment.newInstance("爱好");
            }
            transaction.replace(R.id.tb, mFavoritesFragment);
            break;
        case 3:
            if (mBookFragment == null) {
                mBookFragment = BookFragment.newInstance("图书");
            }
            transaction.replace(R.id.tb, mBookFragment);
            break;
        default:
            break;
    }
    // 事务提交
    transaction.commit();
}

```

```

    }

    @Override
    public void onTabUnselected(int position) {
        Log.d(TAG, "onTabUnselected() called with: " + "position = [" + position + "]");
    }

    @Override
    public void onTabReselected(int position) {

    }

}

```

fragment的代码

```

package com.lidong.demo.navigation_view;

import android.app.Fragment;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;

import com.lidong.demo.R;

public class LocationFragment extends Fragment {

    public static LocationFragment newInstance(String param1) {
        LocationFragment fragment = new LocationFragment();
        Bundle args = new Bundle();
        args.putString("args1", param1);
        fragment.setArguments(args);
        return fragment;
    }

    public LocationFragment() {

    }

    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
    }

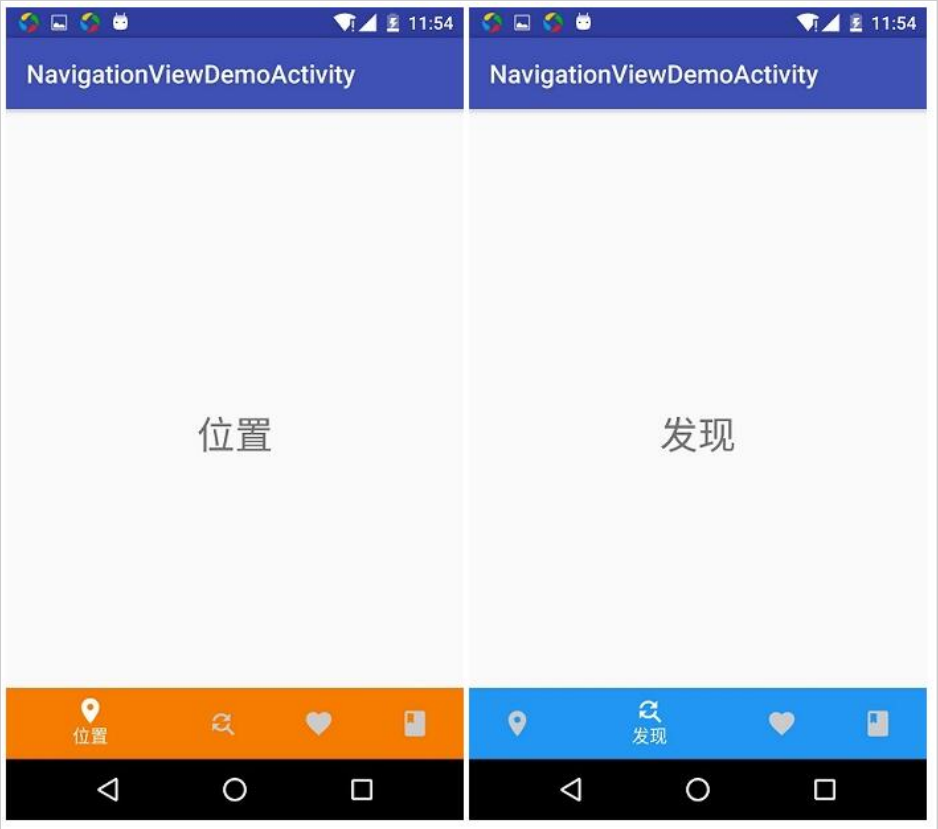
    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                             Bundle savedInstanceState) {
        View view = inflater.inflate(R.layout.fragment_location, container, false);
        Bundle bundle = getArguments();
        String args1 = bundle.getString("args1");
        TextView tv = (TextView)view.findViewById(R.id.tv_location);
        tv.setText(args1);
        return view;
    }

}

```

代码下载: <https://github.com/lidong1665/AndroidRapidLibrary>

代码实现起来很简单, 就加载布局, 添加BottomNavigationBar, 设置TabChangeListener就这三步搞定底部导航控制器。



以上就是关于BottomNavigationBar底部导航控制器，希望对大家的学习有所帮助。

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