**3. WhatsApp**

Activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout 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"

android:id="@+id/ll"

xmlns:app="http://schemas.android.com/apk/res-auto"

android:paddingBottom="@dimen/activity\_vertical\_margin"

android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

tools:context="com.example.nihal.assignment3\_tabview\_actionbar.MainActivity">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

>

<android.support.design.widget.TabLayout

android:id="@+id/tablayout"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

app:tabBackground="@color/blue"

app:tabGravity="fill"

app:tabMode="fixed"

app:tabIndicatorColor="@color/colorAccent"

app:tabSelectedTextColor="@color/colorTextPrimary"

app:tabTextColor="@color/colorTextDisable">

<android.support.design.widget.TabItem

android:id="@+id/tab1"

android:icon="@drawable/tab\_contacts\_selector"

style="@style/tab\_item"

android:text="@string/tab1" />

<android.support.design.widget.TabItem

android:id="@+id/tab2"

android:icon="@drawable/tab\_call\_selector"

style="@style/tab\_item"

android:text="@string/tab2" />

<android.support.design.widget.TabItem

android:id="@+id/tab3"

android:icon="@drawable/tab\_chat\_selector"

style="@style/tab\_item"

android:text="@string/tab3" />

</android.support.design.widget.TabLayout>

<android.support.v4.view.ViewPager

android:id="@+id/viewpager"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_below="@+id/tablayout"

app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"

android:layout\_alignParentBottom="true"/>

</RelativeLayout>

</LinearLayout>

Activity\_view\_contacts.xml

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout 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"

android:paddingBottom="@dimen/activity\_vertical\_margin"

android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

tools:context="com.example.nihal.assignment3\_tabview\_actionbar.View\_Contacts">

<ImageView

android:layout\_width="100dp"

android:layout\_height="100dp"

android:id="@+id/imageView"

android:background="@drawable/ic\_user"

android:layout\_alignParentTop="true"

android:layout\_alignParentLeft="true"

android:layout\_alignParentStart="true" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textAppearance="?android:attr/textAppearanceMedium"

android:text="Nihal"

android:textStyle="bold"

android:layout\_marginTop="20dp"

android:layout\_centerHorizontal="true"

android:id="@+id/textView2"

android:layout\_toRightOf="@+id/imageView"

android:layout\_toEndOf="@+id/imageView" />

<ImageView

android:layout\_width="100dp"

android:layout\_height="100dp"

android:id="@+id/imageView2"

android:background="@drawable/ic\_user"

android:layout\_below="@+id/imageView"

android:layout\_alignParentLeft="true"

android:layout\_alignParentStart="true" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textAppearance="?android:attr/textAppearanceMedium"

android:text="Mujamil"

android:textStyle="bold"

android:layout\_marginTop="20dp"

android:id="@+id/textView3"

android:layout\_below="@+id/imageView"

android:layout\_toRightOf="@+id/imageView2"

android:layout\_toEndOf="@+id/imageView2" />

<ImageView

android:layout\_width="100dp"

android:layout\_height="100dp"

android:background="@drawable/ic\_user"

android:id="@+id/imageView3"

android:layout\_below="@+id/imageView2"

android:layout\_alignParentLeft="true"

android:layout\_alignParentStart="true" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textAppearance="?android:attr/textAppearanceMedium"

android:text="Akash"

android:textStyle="bold"

android:id="@+id/textView4"

android:layout\_marginTop="20dp"

android:layout\_below="@+id/imageView2"

android:layout\_toRightOf="@+id/imageView3"

android:layout\_toEndOf="@+id/imageView3" />

</RelativeLayout>

Activity\_view\_notification.xml

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout 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"

android:paddingBottom="@dimen/activity\_vertical\_margin"

android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

tools:context="com.example.nihal.assignment3\_tabview\_actionbar.View\_Notification">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textAppearance="?android:attr/textAppearanceLarge"

android:text="Welcome To Notification"

android:id="@+id/textView"

android:textStyle="bold"

android:layout\_centerVertical="true"

android:layout\_centerHorizontal="true" />

</RelativeLayout>

Activity\_view\_status.xml

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout 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"

android:paddingBottom="@dimen/activity\_vertical\_margin"

android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

tools:context="com.example.nihal.assignment3\_tabview\_actionbar.View\_Status">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textAppearance="?android:attr/textAppearanceLarge"

android:text="Welcome To Status"

android:id="@+id/textView"

android:textStyle="bold"

android:layout\_centerVertical="true"

android:layout\_centerHorizontal="true" />

</RelativeLayout>

MainActivity.java

package com.example.nihal.assignment3\_tabview\_actionbar;

import android.support.design.widget.TabLayout;

import android.support.v4.view.ViewPager;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

private TabLayout tabLayout;

//This is our viewPager

private ViewPager viewPager;

ViewPagerAdapter adapter;

//Fragments

View\_Contacts contactFragment;

View\_Status statusFragment;

View\_Notification notificationFragment;

/\*

ViewProducts prodFragment;

View\_Orders orderFragment;

View\_Payments payFragment;\*/

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

viewPager = (ViewPager) findViewById(R.id.viewpager);

viewPager.setOffscreenPageLimit(3);

setupViewPager(viewPager);

//Initializing the tablayout

tabLayout = (TabLayout) findViewById(R.id.tablayout);

tabLayout.addOnTabSelectedListener(new TabLayout.OnTabSelectedListener() {

@Override

public void onTabSelected(TabLayout.Tab tab) {

viewPager.setCurrentItem(tab.getPosition(), false);

}

@Override

public void onTabUnselected(TabLayout.Tab tab) {

}

@Override

public void onTabReselected(TabLayout.Tab tab) {

}

});

viewPager.addOnPageChangeListener(new ViewPager.OnPageChangeListener() {

@Override

public void onPageScrolled(int position, float positionOffset, int positionOffsetPixels) {

}

@Override

public void onPageSelected(int position) {

tabLayout.getTabAt(position).select();

}

@Override

public void onPageScrollStateChanged(int state) {

}

});

}

private void setupViewPager(ViewPager viewPager)

{

adapter = new ViewPagerAdapter(getSupportFragmentManager());

contactFragment=new View\_Contacts();

adapter.addFragment(contactFragment,"Contacts");

statusFragment=new View\_Status();

adapter.addFragment(statusFragment, "Status");

notificationFragment=new View\_Notification();

adapter.addFragment(notificationFragment, "Notification");

viewPager.setAdapter(adapter);

}

}

View\_Contacts.java

package com.example.nihal.assignment3\_tabview\_actionbar;

import android.support.annotation.Nullable;

import android.support.v4.app.Fragment;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

public class View\_Contacts extends Fragment {

public View\_Contacts(){

}

@Override

public void onCreate(@Nullable Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setHasOptionsMenu(true);

}

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

// Inflate the layout for this fragment

final View RootView = inflater.inflate(R.layout.activity\_view\_\_contacts, container, false);

return RootView;

}

}

View\_Notification.java

package com.example.nihal.assignment3\_tabview\_actionbar;

import android.os.Bundle;

import android.support.annotation.Nullable;

import android.support.v4.app.Fragment;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

public class View\_Notification extends Fragment {

public View\_Notification(){

}

@Override

public void onCreate(@Nullable Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setHasOptionsMenu(true);

}

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

// Inflate the layout for this fragment

final View RootView = inflater.inflate(R.layout.activity\_view\_\_notification, container, false);

return RootView;

}

}

View\_status.java

package com.example.nihal.assignment3\_tabview\_actionbar;

import android.os.Bundle;

import android.support.annotation.Nullable;

import android.support.v4.app.Fragment;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

public class View\_Status extends Fragment {

public View\_Status(){

}

@Override

public void onCreate(@Nullable Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setHasOptionsMenu(true);

}

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

// Inflate the layout for this fragment

final View RootView = inflater.inflate(R.layout.activity\_view\_\_status, container, false);

return RootView;

}

}

ViewPagerAdapter.java

package com.example.nihal.assignment3\_tabview\_actionbar;

import android.support.v4.app.Fragment;

import android.support.v4.app.FragmentManager;

import android.support.v4.app.FragmentPagerAdapter;

import java.util.ArrayList;

import java.util.List;

public class ViewPagerAdapter extends FragmentPagerAdapter {

private final List<Fragment> mFragmentList = new ArrayList<>();

private final List<String> mFragmentTitleList = new ArrayList<>();

public ViewPagerAdapter(FragmentManager manager) {

super(manager);

}

@Override

public Fragment getItem(int position) {

return mFragmentList.get(position);

}

@Override

public int getCount() {

return mFragmentList.size();

}

public void addFragment(Fragment fragment, String title) {

mFragmentList.add(fragment);

mFragmentTitleList.add(title);

}

@Override

public CharSequence getPageTitle(int position) {

return mFragmentTitleList.get(position);

}

@Override

public int getItemPosition(Object object){

return super.getItemPosition(object);

}

}