

Fragment with ViewPager Example

```
1  import android.content.Context;
2  import android.os.Bundle;
3  import android.support.design.widget.TabLayout;
4  import android.support.v4.app.Fragment;
5  import android.support.v4.app.FragmentManager;
6  import android.support.v4.app.FragmentPagerAdapter;
7  import android.support.v4.view.ViewPager;
8  import android.view.LayoutInflater;
9  import android.view.View;
10 import android.view.ViewGroup;
11
12 import com.forex.stockexchange4.R;
13 import com.forex.stockexchange4.models.CalculateSummaryObject;
14
15 import java.util.ArrayList;
16 import java.util.List;
17
18 public class CalculateFragment extends Fragment {
19     private OnInvestingListFragmentInteractionListener mListener;
20     public CalculateFragment() {
21         // Required empty public constructor
22     }
23
24     /**
25     * Use this factory method to create a new instance of
26     * this fragment
27     *
28     * @return A new instance of fragment StepPagerFragment.
29     */
30     public static CalculateFragment newInstance() {
31         return new CalculateFragment();
32     }
33
34     @Override
35     public void onCreate(Bundle savedInstanceState) {
36         super.onCreate(savedInstanceState);
37     }
38
39     @Override
40     public View onCreateView(LayoutInflater inflater, ViewGroup container,
41     Bundle savedInstanceState) {
42         // Inflate the layout for this fragment
43         View view = inflater.inflate(R.layout.fragment_main, container, false);
44
45         setupViewPager(view);
46         return view;
47     }
48
49     private void setupViewPager(View view) {
50
51         ViewPager viewPager = view.findViewById(R.id.viewPager);
52         ViewPagerAdapter viewPagerAdapter = new ViewPagerAdapter(getChildFragmentManager());
53         viewPagerAdapter.addFragment(HesapFragment.newInstance(),
54         getResources().getString(R.string.calculator));
55         viewPagerAdapter.addFragment(HesapSummaryFragment.newInstance(),
56         getResources().getString(R.string.summary));
57
58         viewPager.setAdapter(viewPagerAdapter);
59         TabLayout tabLayout = view.findViewById(R.id.tabs);
60         tabLayout.setTabMode(TabLayout.MODE_SCROLLABLE);
61         tabLayout.setupWithViewPager(viewPager);
```

```

62     }
63
64     private class ViewPagerAdapter extends FragmentStatePagerAdapter {
65         private final List<Fragment> mFragmentManager = new ArrayList<>();
66         private final List<String> mFragmentTitleList = new ArrayList<>();
67         ViewPagerAdapter(FragmentManager fm) {
68             super(fm);
69         }
70
71         @Override
72         public int getCount() {
73             return mFragmentManager.size();
74         }
75         public void addFragment(Fragment fragment, String title) {
76             mFragmentManager.add(fragment);
77             mFragmentTitleList.add(title);
78         }
79         @Override
80         public Fragment getItem(int position) {
81             mListener.onFragmentInteractionInitTitle(getResources().getString(R.string.app_name));
82             return mFragmentManager.get(position);
83         }
84
85         @Override
86         public CharSequence getPageTitle(int position) {
87             return mFragmentTitleList.get(position);
88         }
89     }
90     @Override
91     public void onAttach(Context context) {
92         super.onAttach(context);
93         if (context instanceof OnInvestingListFragmentInteractionListener) {
94             mListener = (OnInvestingListFragmentInteractionListener) context;
95         } else {
96             throw new RuntimeException(context.toString()
97                 + " must implement OnInvestingListFragmentInteractionListener");
98         }
99         mListener.onFragmentInteractionInitTitle(getResources().getString(R.string.app_name));
100     }
101 }

```