

```
1 package org.overlake.mat803.criminalintent;
2
3 import android.content.Intent;
4 import android.os.Bundle;
5 import android.view.LayoutInflater;
6 import android.view.Menu;
7 import android.view.MenuInflater;
8 import android.view.MenuItem;
9 import android.view.View;
10 import android.view.ViewGroup;
11 import android.widget.ImageView;
12 import android.widget.TextView;
13 import android.widget.Toast;
14
15 import androidx.annotation.NonNull;
16 import androidx.annotation.Nullable;
17 import androidx.appcompat.app.AppCompatActivity;
18 import androidx.fragment.app.Fragment;
19 import androidx.recyclerview.widget.LinearLayoutManager;
20 import androidx.recyclerview.widget.RecyclerView;
21
22 import java.util.List;
23
24 public class CrimeListFragment extends Fragment {
25
26     private static final String SAVED_SUBTITLE_VISIBLE = "
subtitle";
27     private RecyclerView mCrimeRecyclerView;
28     private CrimeAdapter mAdapter;
29     private boolean mSubtitleVisible;
30
31     @Override
32     public void onCreate(@Nullable Bundle
savedInstanceState) {
33         super.onCreate(savedInstanceState);
34         setHasOptionsMenu(true);
35         if(savedInstanceState != null){
36             mSubtitleVisible = savedInstanceState.
getBoolean(SAVED_SUBTITLE_VISIBLE);
37         } else {
38             mSubtitleVisible = true;
39         }
40     }
41
42     @Override
43     public void onSaveInstanceState(@NonNull Bundle
outState) {
44         outState.putBoolean(SAVED_SUBTITLE_VISIBLE,
mSubtitleVisible);
45     }
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46
47     @Override
48     public boolean onOptionsItemSelected(MenuItem item) {
49         switch (item.getItemId()) {
50             case R.id.new_crime:
51                 Crime crime = new Crime();
52                 CrimeLab.get(getActivity()).addCrime(crime
53 );
54                 Intent intent = CrimePagerActivity.
55 newIntent(getActivity(), crime.getId());
56                 startActivity(intent);
57                 return true;
58             case R.id.show_subtitle:
59                 item.setTitle(mSubtitleVisible ? R.string.
60 hide_subtitle : R.string.show_subtitle);
61                 mSubtitleVisible = !mSubtitleVisible;
62                 updateSubtitle();
63                 return true;
64             default:
65                 return false;
66         }
67     }
68
69     @Override
70     public void onCreateOptionsMenu(Menu menu, MenuInflater
71 inflater) {
72         inflater.inflate(R.menu.fragment_crime_list, menu);
73     }
74
75     @Override
76     public void onResume() {
77         super.onResume();
78         mAdapter.notifyDataSetChanged();
79         updateSubtitle();
80     }
81
82     private void updateSubtitle(){
83         String subtitle;
84         if(!mSubtitleVisible){
85             CrimeLab crimeLab = CrimeLab.get(getActivity
86 ());
87             int crimeCount = crimeLab.getCrimes().size();
88             subtitle = getString(R.string.subtitle_format,
89 crimeCount, "crimes");
90         } else {
91             subtitle = null;
92         }
93         ((AppCompatActivity) getActivity()).
94 getSupportActionBar().setSubtitle(subtitle);
95     }

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89 }  
90
```