

```
1: package com.delta.fragmentlifecycle;
2:
3: import android.app.Activity;
4: import android.app.ActionBar;
5: import android.app.Fragment;
6: import android.os.Bundle;
7: import android.view.LayoutInflater;
8: import android.view.Menu;
9: import android.view.MenuItem;
10: import android.view.View;
11: import android.view.ViewGroup;
12: import android.os.Build;
13:
14: public class MainActivity extends Activity {
15:
16:     @Override
17:     protected void onCreate(Bundle savedInstanceState) {
18:         super.onCreate(savedInstanceState);
19:         setContentView(R.layout.activity_main);
20:         if (savedInstanceState == null) {
21:             getSupportFragmentManager().beginTransaction()
22:                 .add(R.id.container, new MainFragment())
23:                 .commit();
24:         }
25:     }
26:
27:
28:     @Override
29:     public boolean onCreateOptionsMenu(Menu menu) {
30:
31:         // Inflate the menu; this adds items to the action bar if it is present.
32:         getMenuInflater().inflate(R.menu.main, menu);
33:         return true;
34:     }
35:
36:     @Override
37:     public boolean onOptionsItemSelected(MenuItem item) {
38:         // Handle action bar item clicks here. The action bar will
39:         // automatically handle clicks on the Home/Up button, so long
40:         // as you specify a parent activity in AndroidManifest.xml.
41:         int id = item.getItemId();
42:         if (id == R.id.action_settings) {
43:             return true;
44:         }
45:         return super.onOptionsItemSelected(item);
46:     }
47: }
```

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3: import android.app.Activity;
4: import android.app.Fragment;
5: import android.os.Bundle;
6: import android.view.LayoutInflater;
7: import android.view.View;
8: import android.view.ViewGroup;
9: import android.widget.Toast;
10:
11: /**
12:  * Created by learnovate on 3/27/14.
13:  */
14: public class MainFragment extends Fragment {
15:
16:     String status = "";
17:     int order = 0;
18:
19:     @Override
20:     public void onAttach(Activity activity) {
21:         super.onAttach(activity);
22:         status = "Fragment Attached";
23:         displayStatus();
24:     }
25:
26:     @Override
27:     public void onCreate(Bundle savedInstanceState) {
28:         super.onCreate(savedInstanceState);
29:         status = "Fragment Created";
30:         displayStatus();
31:     }
32:
33:     @Override
34:     public View onCreateView(LayoutInflater inflater, ViewGroup container,
35:                             Bundle savedInstanceState) {
36:         View rootView = inflater.inflate(R.layout.fragment_main, container, false);
37:         status = "Fragment Create View";
38:         displayStatus();
39:         return rootView;
40:     }
41:
42:     @Override
43:     public void onViewCreated(View view, Bundle savedInstanceState) {
44:         super.onViewCreated(view, savedInstanceState);
45:         status = "Fragment View Created";
46:         displayStatus();
47:     }
48:
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49:     @Override
50:     public void onActivityCreated(Bundle savedInstanceState) {
51:         super.onActivityCreated(savedInstanceState);
52:         status = "Fragment Activity Created";
53:         displayStatus();
54:     }
55:
56:     @Override
57:     public void onStart() {
58:         super.onStart();
59:         status = "Fragment Started";
60:         displayStatus();
61:     }
62:
63:     @Override
64:     public void onViewStateRestored(Bundle savedInstanceState) {
65:         super.onViewStateRestored(savedInstanceState);
66:         status = "Fragment State Restored";
67:         displayStatus();
68:     }
69:
70:
71:     @Override
72:     public void onResume() {
73:         super.onResume();
74:         status = "Fragment Resumed";
75:         displayStatus();
76:     }
77:
78:
79:     @Override
80:     public void onPause() {
81:         super.onPause();
82:         status = "Fragment Paused";
83:         displayStatus();
84:     }
85:
86:     @Override
87:     public void onSaveInstanceState(Bundle outState) {
88:         super.onSaveInstanceState(outState);
89:         status = "Fragment Saving State";
90:         displayStatus();
91:     }
92:
93:     @Override
94:     public void onStop() {
95:         super.onStop();
96:         status = "Fragment Stopped";
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97:         displayStatus();
98:     }
99:
100:    @Override
101:    public void onDestroyView() {
102:        super.onDestroyView();
103:        status = "Fragment View Destroyed";
104:        displayStatus();
105:    }
106:
107:    @Override
108:    public void onDestroy() {
109:        super.onDestroy();
110:        status = "Fragment Destroyed";
111:        displayStatus();
112:    }
113:
114:    @Override
115:    public void onDetach() {
116:        super.onDetach();
117:        status = "Fragment Detached";
118:        displayStatus();
119:    }
120:
121:    public void displayStatus(){
122:        order++;
123:        String message = String.valueOf(order) + ": " + status;
124:        View v = getView();
125:        if(v != null){
126:            message = message + " [+View]";
127:        }
128:        //t.setText(status);
129:        Toast.makeText(getActivity(), message, Toast.LENGTH_SHORT).show();
130:    }
131:
132:
133:
134: }
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Table of Contents

spawrks 09/18/14

-1/1(5)

1	fragmentlifecycle/src/main/java/com/delta/fragmentlifecycle/MainActivity.java	1	pages	47	lines	14/03/27	16:04:33
2	fragmentlifecycle/src/main/java/com/delta/fragmentlifecycle/MainFragment.java	3	pages	134	lines	14/03/27	16:47:55