

Reviewer: Adam Holt

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package com.example.johnsapp;

import android.app.Service;
import android.content.Intent;
import android.os.IBinder;
import android.widget.Toast;

public class EffectService extends Service{

    @Override
    public IBinder onBind(Intent arg0) {
        return null;
    }

    @Override
    public int onStartCommand(Intent intent, int flags, int startId)
    {
        // Let it continue running until it is stopped.
        Toast.makeText(this, "Effect Started",
Toast.LENGTH_LONG).show();
        return START_STICKY;
    }
    @Override
    public void onDestroy() {
        super.onDestroy();
        Toast.makeText(this, "Effect Destroyed",
Toast.LENGTH_LONG).show();
    }

}
```

```
package com.example.johnsapp;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;

public class FirstEffect extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_first_effect);
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
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        // Inflate the menu; this adds items to the action bar if it
is present.
        getMenuInflater().inflate(R.menu.first_effect, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        // Handle action bar item clicks here. The action bar will
        // automatically handle clicks on the Home/Up button, so long
        // as you specify a parent activity in AndroidManifest.xml.
        int id = item.getItemId();
        if (id == R.id.action_settings) {
            return true;
        }
        return super.onOptionsItemSelected(item);
    }

    // Method to start the service
    public void startEffectService(View view) {
        startService(new Intent(getApplicationContext(),
EffectService.class));
    }

    // Method to stop the service
    public void stopEffectService(View view) {
        stopService(new Intent(getApplicationContext(),
EffectService.class));
    }
}

package com.example.johnsapp;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;

public class MainActivity extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is
present.

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        getMenuInflater().inflate(R.menu.main, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        // Handle action bar item clicks here. The action bar will
        // automatically handle clicks on the Home/Up button, so long
        // as you specify a parent activity in AndroidManifest.xml.
        int id = item.getItemId();
        if (id == R.id.action_settings) {
            return true;
        }
        return super.onOptionsItemSelected(item);
    }
    // Method to start the service
    public void startEffect1(View view) {
        Intent intent = new Intent(this, FirstEffect.class);
        startActivity(intent);
    }
}

```