

preferences.step.by.step

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1 <http://developer.android.com/guide/topics/ui/settings.html>

1/1 Define the preference in an XML file

- (a) ☒ <file:///home/troy/workspace/MyFirstApp/res/xml/preferences.xml> <http://developer.android.com/guide/topics/ui/settings.html#Activity>

```
<?xml version="1.0" encoding="utf-8"?>
<PreferenceScreen xmlns:android="http://schemas.android.com/apk/res/android" >

    <EditTextPreference
        android:persistent="true"
        android:defaultValue="+19094479170"
        android:key="ref_PhoneNumber"
        android:summary="Enter SMS Phone Number" android:dialogTitle="Enter Phone Number"
        android:title="Phone Number" />
</PreferenceScreen>
```

- 1. ☒ <file:///home/troy/workspace/MyFirstApp/src/com/example/myfirstapp/SettingsFragment.java>

```

package com.example.myfirstapp;

import android.os.Bundle;
import android.preference.PreferenceFragment;
import android.widget.Toast;

public class SettingsFragment extends PreferenceFragment {

    @Override
    public void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        // Toast.makeText(null, "SettingsActivity.java", Toast.LENGTH_LONG).show();
        addPreferencesFromResource(R.xml.preferences);
    }
}

```

2. ☐ file:///home/troy/workspace/MyFirstApp/src/com/example/myfirstapp/SettingsActivity.java

```

package com.example.myfirstapp;

import android.app.Activity;
import android.os.Bundle;
import android.widget.Toast;

public class SettingsActivity extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_settings);
        // Toast.makeText(getApplicationContext(), "SettingsActivity.java", Toast.LENGTH_LONG).show();
    }

}

```

3. ☐ file:///home/troy/workspace/MyFirstApp/src/com/example/myfirstapp/MainActivity.java

```

public class MainActivity extends Activity {

    public static final String PHONE = "pref_PhoneNumber";

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

        PreferenceManager.setDefaultValues(this, R.xml.preferences, false);

        PreferenceManager.getDefaultSharedPreferences(this);
        //          registerOnSharedPreferencesChangeListener(preferenceChangeListener);

        if (savedInstanceState == null) {
            getFragmentManager().beginTransaction()
                .add(R.id.container, new PlaceholderFragment()).commit();
        }
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {

        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.main, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        // int id = item.getItemId();
        // if (id == R.id.action_settings) {
        //     return true;
        // }

        Toast.makeText(getApplicationContext(), "MainActivity.java", Toast.LENGTH_LONG);

        Intent preferencesIntent = new Intent(this, SettingsActivity.class);
        startActivity(preferencesIntent);
        return super.onOptionsItemSelected(item);
    }
}

```

```

}

/**
 * A placeholder fragment containing a simple view.
 */
public static class PlaceholderFragment extends Fragment {

    public PlaceholderFragment() {
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
        Bundle savedInstanceState) {
        View rootView = inflater.inflate(R.layout.fragment_main, container,
            false);
        return rootView;
    }
}

```

- 2 Skim <http://developer.android.com/guide/topics/ui/settings.html>