

# Android スケルトン ListActivity

[Android][Android スケルトン]

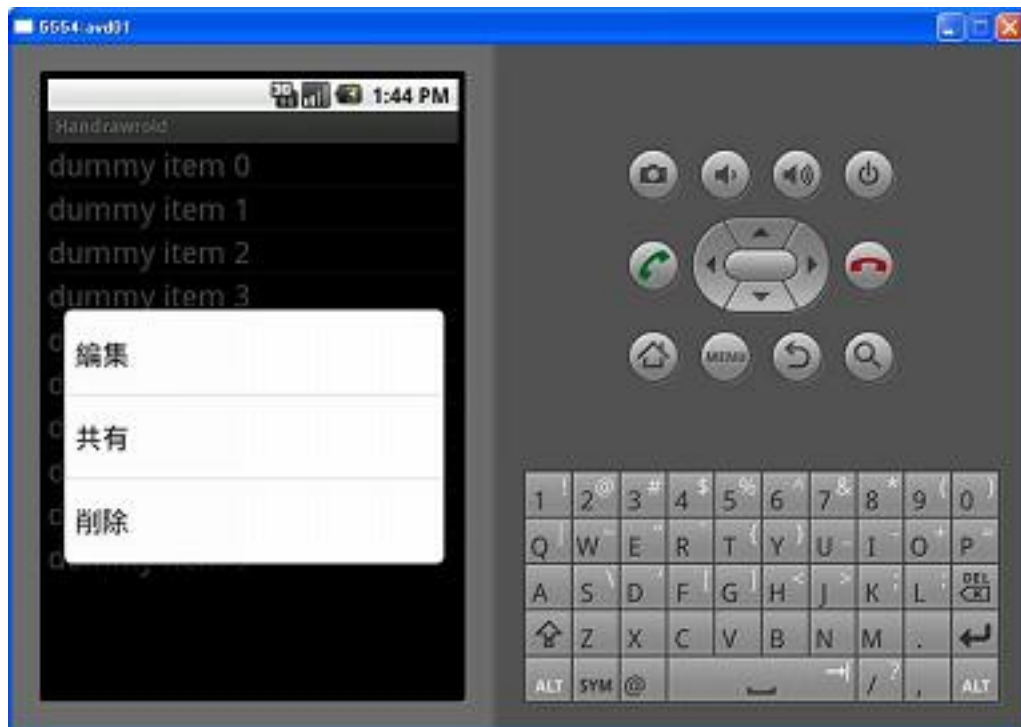
- ・ ListActivity を利用するスケルトン
- ・ メニューとコンテキストメニューを利用

イメージ

メニュー



コンテキストメニュー



## Tips

背景色の設定をしても、スクロールすると黒くなってしまう。

- `ListView#scrollingCache` を `false` に設定する。

```
android:scrollingCache="false"
```

## Activity

```
package info.typea.handdrawroid;

import java.util.ArrayList;
import java.util.List;

import android.app.ListActivity;
import android.content.Context;
import android.os.Bundle;
import android.view.ContextMenu;
import android.view.LayoutInflater;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.view.ViewGroup;
import android.view.ContextMenu.ContextMenuInfo;
import android.widget.ArrayAdapter;
import android.widget.TextView;

/**
 * @author pirotto
 */
public class NoteListActivity extends ListActivity {

    private static final int MENU_NEW          = Menu.FIRST;
    private static final int MENU_CLOSE       = Menu.FIRST + 1;
    private static final int MENU_PREFERENCES = Menu.FIRST + 2;

    private static final int MENU_EDIT        = Menu.FIRST + 3;
    private static final int MENU_SHARE       = Menu.FIRST + 4;
    private static final int MENU_DELETE      = Menu.FIRST + 5;
```

```

@Override
public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.main);

    // コンテキストメニューを登録
    registerForContextMenu(getListView());

    List<String> items = new ArrayList<String>();
    // Dummy Data Create From
    for (int i=0; i<10; i++) {
        items.add("dummy item " + i);
    }
    // Dummy Data Create To

    NoteAdapter adapter = new NoteListActivity.NoteAdapter(this, R.layout.row_note, items);
    setListAdapter(adapter);
}

@Override
protected void onItemClick(ListView l, View v, int position, long id) {
    super.onItemClick(l, v, position, id);
}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    super.onCreateOptionsMenu(menu);

    menu.add(0, MENU_NEW, 0, R.string.mnu_edit_new)
        .setIcon(android.R.drawable.ic_menu_add);
    menu.add(0, MENU_PREFERENCES, 0, R.string.mnu_preferences)
        .setIcon(android.R.drawable.ic_menu_preferences);
    menu.add(0, MENU_CLOSE, 0, R.string.mnu_close)
        .setIcon(android.R.drawable.ic_menu_close_clear_cancel);
    return true;
}

@Override
public boolean onOptionsItemSelected(MenuItem item) {
    switch (item.getItemId()) {
        case MENU_NEW:
            break;
        case MENU_PREFERENCES:
            break;
        case MENU_CLOSE:
            break;
        default:
            break;
    }
    return true;
}

@Override
public void onCreateContextMenu(ContextMenu menu, View v,
    ContextMenuInfo menuInfo) {
    super.onCreateContextMenu(menu, v, menuInfo);
    menu.add(0, MENU_EDIT, 0, R.string.mnu_edit);
    menu.add(0, MENU_SHARE, 0, R.string.mnu_share);
    menu.add(0, MENU_DELETE, 0, R.string.mnu_delete);
}

@Override
public boolean onContextItemSelected(MenuItem item) {
    switch (item.getItemId()) {
        case MENU_EDIT:
            break;
        case MENU_SHARE:
            break;
        case MENU_DELETE:
            break;
        default:
            break;
    }
    return true;
}

/**
 * @author pirotto
 */
public static class NoteAdapter extends ArrayAdapter<String> {
    private List<String> items;

```

```

    public NoteAdapter(Context context, int textViewResourceId, List<String> items) {
        super(context, textViewResourceId, items);
        this.items = items;
    }
    @Override
    public View getView(int position, View convertView, ViewGroup parent) {
        View view = convertView;
        if (view == null) {
            LayoutInflater lif =
                (LayoutInflater)getContext().getSystemService(Context.LAYOUT_INFLATER_SERVICE);
            view = lif.inflate(R.layout.row_note, null);
        }
        String item = this.items.get(position);
        if (item != null) {
            TextView tv = (TextView)view.findViewById(R.id.txt_note_title);
            tv.setText(item);
        }
        return view;
    }
}

```

## main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    >
    <ListView android:id="@+id/android:list"
        android:layout_height="wrap_content"
        android:layout_width="fill_parent">

    </ListView>
    <TextView android:text="@string/msg_no_items"
        android:id="@+id/android:empty"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="20sp">

    </TextView>
</LinearLayout>

```

## row\_note.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent">
    <TextView android:text=""
        android:id="@+id/txt_note_title"
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:textSize="24sp"
    >

    </TextView>
</LinearLayout>

```

## string.xml

```

<?xml version="1.0" encoding="utf-8"?>
<resources>
    <string name="hello">Hello World, NoteListActivity!</string>
    <string name="app_name">Handrawroid</string>
    <string name="mnu_edit_new">新規作成</string>
    <string name="msg_no_items">アイテムがありません</string>
    <string name="mnu_preferences">設定</string>
    <string name="mnu_close">終了</string>
    <string name="mnu_edit">編集</string>
    <string name="mnu_share">共有</string>
    <string name="mnu_delete">削除</string>
</resources>

```