Особенности создания программных классов

Приведем как пример класс для создания публикации.

|  |
| --- |
| package com.freecoders.photobook.classes; |
|  |  |
|  | import android.content.Context; |
|  | import android.content.res.TypedArray; |
|  | import android.view.LayoutInflater; |
|  | import android.view.View; |
|  | import android.view.ViewGroup; |
|  | import android.widget.FrameLayout; |
|  | import android.widget.ImageView; |
|  | import android.widget.TextView; |
|  |  |
|  | import com.freecoders.photobook.R; |
|  |  |
|  | import java.util.ArrayList; |
|  |  |
|  | /\*\* |
|  | \* Created by aleksey.boev on 2015-03-25. |
|  | \*/ |
|  | public class BookmarkAdapter { |
|  | private Context context; |
|  | private String[] items; |
|  | private TypedArray icons; |
|  | private ViewGroup parentView; |
|  | private View colorSelector; |
|  | private onItemSelectedListener listener; |
|  | private int[] colors; |
|  | public int selectedPosition = 0; |
|  |  |
|  | public BookmarkAdapter(Context context, ViewGroup parentView, View colorSelector, |
|  | String[] items, int iconsResID) { |
|  | this.context = context; |
|  | this.items = items; |
|  | this.parentView = parentView; |
|  | this.colorSelector = colorSelector; |
|  | this.colors = context.getResources().getIntArray(R.array.bookmark\_colors); |
|  | this.icons = context.getResources().obtainTypedArray(iconsResID); |
|  | redraw(); |
|  | } |
|  |  |
|  | public void setParentView(ViewGroup parentView) { |
|  | this.parentView = parentView; |
|  | redraw(); |
|  | } |
|  |  |
|  | private View getView(final int position) { |
|  | String inflater = Context.LAYOUT\_INFLATER\_SERVICE; |
|  | LayoutInflater vi = (LayoutInflater)context.getSystemService(inflater); |
|  | View view; |
|  | if (position == selectedPosition) |
|  | view = vi.inflate(R.layout.item\_tab\_selected, parentView, false); |
|  | else |
|  | view = vi.inflate(R.layout.item\_tab, parentView, false); |
|  | TextView tv = (TextView)view.findViewById(R.id.txtViewBookmark); |
|  | ImageView iv = (ImageView)view.findViewById(R.id.imgViewIcon); |
|  | tv.setText(items[position]); |
|  | iv.setImageResource(icons.getResourceId(position % icons.length(), -1)); |
|  |  |
|  | view.setOnClickListener(new View.OnClickListener() { |
|  | @Override |
|  | public void onClick(View v) { |
|  | setSelectedPosition(position); |
|  | } |
|  | }); |
|  | return view; |
|  | } |
|  |  |
|  | private void redraw(){ |
|  | if (parentView.getChildCount() > 0) |
|  | parentView.removeAllViews(); |
|  | for (int i = 0; i < items.length; i++) { |
|  | View view = getView(i); |
|  | parentView.addView(view); |
|  | } |
|  | } |
|  |  |
|  | public void setOnItemSelectedListener(onItemSelectedListener listener){ |
|  | this.listener = listener; |
|  | } |
|  |  |
|  | public interface onItemSelectedListener { |
|  | public void onItemSelected(int position); |
|  | } |
|  |  |
|  | public String[] getItems() { |
|  | return items; |
|  | } |
|  |  |
|  | public void setSelectedPosition(int position) { |
|  | selectedPosition = position; |
|  | redraw(); |
|  | if (listener != null) |
|  | listener.onItemSelected(position); |
|  | } |
|  | } |