

SoundBoardGridAdapter.java

```
package com.capstone.ocelot.SoundBoardActivities;

import android.annotation.TargetApi;
import android.content.ClipData;
import android.content.Context;
import android.graphics.drawable.Drawable;
import android.media.MediaPlayer;
import android.media.MediaPlayer.OnCompletionListener;
import android.view.LayoutInflater;
import android.view.MotionEvent;
import android.view.View;
import android.view.View.DragShadowBuilder;
import android.view.View.OnClickListener;
import android.view.View.OnLongClickListener;
import android.view.View.OnTouchListener;
import android.view.ViewGroup;
import android.widget.BaseAdapter;
import android.widget.ImageView;
import android.widget.TextView;

import com.capstone.ocelot.SoundBoardActivity;

@TargetApi(16)
public class SoundBoardGridAdapter extends BaseAdapter {
    private Context mContext;

    public SoundBoardGridAdapter(Context c) {
        mContext = c;
    }

    public int getCount() {
        return ((SoundBoardActivity)mContext).getGridSize();
    }

    public Object getItem(int position) {
        return ((SoundBoardActivity)mContext).getGridItem(position);
    }

    public long getItemId(int position) {
        return 0;
    }

    SoundBoardActivity getParent(){
        return ((SoundBoardActivity)mContext);
    }

    private Drawable getBackground(){
        Drawable bg;
        if (getParent().isDeleteMode()){
            bg =
getParent().getResources().getDrawable(com.capstone.ocelot.R.drawable.editbox_background_focus_ye
llow);
        } else {
            bg =
getParent().getResources().getDrawable(com.capstone.ocelot.R.drawable.editbox_dropdown_background)
;
        }
    }
}
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        return bg;
    }

    private void PlayGridItem(int position){
        if (getParent().isDeleteMode()){
            getParent().removeGridItem(position);
        } else {
            SoundBoardItem touchItem = (SoundBoardItem)getItem(position);
            MediaPlayer mPlayer = touchItem.getMediaPlayer(mContext);
            if(mPlayer.isPlaying()){
                mPlayer.release();
            }
            mPlayer.setOnCompletionListener(new OnCompletionListener() {
                public void onCompletion(MediaPlayer mp) {
                    mp.release();
                }
            });
            mPlayer.start();
        }
    }

    // create a new ImageView for each item referenced by the Adapter
    @TargetApi(16)
    public View getView(final int position, View convertView, ViewGroup parent) {

        View view;
        if (convertView == null) { // if it's not recycled, initialize some attributes
            LayoutInflater li = getParent().getLayoutInflater();
            SoundBoardItem viewItem = (SoundBoardItem) getItem(position);

            if(viewItem.hasImage()) {
                view = li.inflate(com.capstone.ocelot.R.layout.gridicon, null);
                ImageView iv = (ImageView)view.findViewById(com.capstone.ocelot.R.id.icon_image);
                TextView tv = (TextView)view.findViewById(com.capstone.ocelot.R.id.icon_text);
                if (viewItem.isExternalImage())
                    iv.setImageURI(viewItem.getIconResourceUri());
                else
                    iv.setImageResource(viewItem.getIconResourceId());
                tv.setText(viewItem.getDescription());
                view.setBackground(getBackground());
            } else {
                view = li.inflate(com.capstone.ocelot.R.layout.gridicontext, null);
                TextView tv =
                    (TextView)view.findViewById(com.capstone.ocelot.R.id.icon_text_text);
                tv.setText(viewItem.getDescription());
                view.setBackground(getBackground());
            }

            view.setOnClickListener(new OnClickListener() {
                @Override
                public void onClick(View v) {
                    PlayGridItem(position);
                }
            });

            view.setOnLongClickListener(new OnLongClickListener() {
                @Override

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        public boolean onLongClick(View v) {
            PlayGridItem(position);
            return true;
        }
    });

    view.setOnTouchListener(new OnTouchListener() {
        @Override
        public boolean onTouch(View v, MotionEvent event) {
            if (event.getAction() == MotionEvent.ACTION_MOVE){
                //Create the Drop Shadow
                ClipData data = ClipData.newPlainText("", "");
                DragShadowBuilder shadowBuilder = new View.DragShadowBuilder(v);
                v.startDrag(data, shadowBuilder, v, 0);

                //Set the current Item
                SoundBoardItem touchItem = (SoundBoardItem)getItem(position);
                getParent().setCurrentItem(touchItem);
                return true;
            } else if (event.getAction() == MotionEvent.ACTION_CANCEL) {
                return true;
            } else {
                return false;
            }
        }
    });
} else {
    view = convertView;
}
return view;
}
```