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\*/

package com.example.android.animationsdemo;

import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.support.v4.app.NavUtils;

import android.view.LayoutInflater;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.view.ViewGroup;

import android.widget.TextView;

/\*\*

\* This sample demonstrates how to use system-provided, automatic layout transitions. Layout

\* transitions are animations that occur when views are added to, removed from, or changed within

\* a {@link ViewGroup}.

\*

\* <p>In this sample, the user can add rows to and remove rows from a vertical

\* {@link android.widget.LinearLayout}.</p>

\*/

public class LayoutChangesActivity extends Activity {

/\*\*

\* The container view which has layout change animations turned on. In this sample, this view

\* is a {@link android.widget.LinearLayout}.

\*/

private ViewGroup mContainerView;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_layout\_changes);

mContainerView = (ViewGroup) findViewById(R.id.container);

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

super.onCreateOptionsMenu(menu);

getMenuInflater().inflate(R.menu.activity\_layout\_changes, menu);

return true;

}

@Override

public boolean onOptionsItemSelected(MenuItem item) {

switch (item.getItemId()) {

case android.R.id.home:

// Navigate "up" the demo structure to the launchpad activity.

// See http://developer.android.com/design/patterns/navigation.html for more.

NavUtils.navigateUpTo(this, new Intent(this, MainActivity.class));

return true;

case R.id.action\_add\_item:

// Hide the "empty" view since there is now at least one item in the list.

findViewById(android.R.id.empty).setVisibility(View.GONE);

addItem();

return true;

}

return super.onOptionsItemSelected(item);

}

private void addItem() {

// Instantiate a new "row" view.

final ViewGroup newView = (ViewGroup) LayoutInflater.from(this).inflate(

R.layout.list\_item\_example, mContainerView, false);

// Set the text in the new row to a random country.

((TextView) newView.findViewById(android.R.id.text1)).setText(

COUNTRIES[(int) (Math.random() \* COUNTRIES.length)]);

// Set a click listener for the "X" button in the row that will remove the row.

newView.findViewById(R.id.delete\_button).setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

// Remove the row from its parent (the container view).

// Because mContainerView has android:animateLayoutChanges set to true,

// this removal is automatically animated.

mContainerView.removeView(newView);

// If there are no rows remaining, show the empty view.

if (mContainerView.getChildCount() == 0) {

findViewById(android.R.id.empty).setVisibility(View.VISIBLE);

}

}

});

// Because mContainerView has android:animateLayoutChanges set to true,

// adding this view is automatically animated.

mContainerView.addView(newView, 0);

}

/\*\*

\* A static list of country names.

\*/

private static final String[] COUNTRIES = new String[]{

"Belgium", "France", "Italy", "Germany", "Spain",

"Austria", "Russia", "Poland", "Croatia", "Greece",

"Ukraine",

};

}