Deborah Barndt

Lab 3: Quotes

ITMD 455-02

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*/\*\* Deborah Barndt  
 \* 2-13-17  
 \* QuoteReaderActivity.java  
 \* Lab 3  
 \* This program creates a list view full of quotes. When the user clicks on a particular  
 \* quote, they will be taken to a detail view of the full quote.  
 \* Written by Deborah Barndt.  
 \*/***package** com.example.u2.quotes;  
  
**import** android.content.Context;  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.view.LayoutInflater;  
**import** android.view.View;  
**import** android.view.ViewGroup;  
**import** android.widget.AdapterView;  
**import** android.widget.BaseAdapter;  
**import** android.widget.ImageView;  
**import** android.widget.ListView;  
**import** android.widget.TextView;  
  
**public class** QuoteReaderActivity **extends** AppCompatActivity  
{  
 **public class** QuoteAdapter **extends** BaseAdapter  
 {  
 *// Returns the number of items present in the data set.* @Override  
 **public int** getCount()  
 {  
 **return mDataSource**.getDataSourceLength();  
 }  
  
 *// Gets the data item associated with the specified position in the data set.* @Override  
 **public** Object getItem(**int** position)  
 {  
 **return** position;  
 }  
  
 *// Gets the row id associated with the specified position.* @Override  
 **public long** getItemId(**int** position)  
 {  
 **return** position;  
 }  
  
 *// This is used to get a view that displays the data at the specified position in  
 // the data set.* @Override  
 **public** View getView(**int** position, View convertView, ViewGroup parent)  
 {  
 ImageView thumbnail;  
 TextView quote;  
  
 **if**(convertView == **null**)  
 {  
 convertView = **mInflator**.inflate(R.layout.***list\_item\_layout***, parent, **false**);  
 }  
  
 thumbnail = (ImageView) convertView.findViewById(R.id.***thumb***);  
  
 thumbnail.setImageResource(**mDataSource**.getmPhotoPool().get(position));  
 quote = (TextView) convertView.findViewById(R.id.***text***);  
 quote.setText(**mDataSource**.getmQuotePool().get(position));  
  
 **return** convertView;  
 }  
  
 **private** Context **mContext**;  
 **private** LayoutInflater **mInflator**;  
 **private** DataSource **mDataSource**;  
  
 **public** QuoteAdapter(Context c)  
 {  
 **mContext** = c;  
 **mInflator** = (LayoutInflater) **mContext**.getSystemService(Context.***LAYOUT\_INFLATER\_SERVICE***);  
 **mDataSource** = **new** DataSource();  
 }  
 }  
  
 *// Called when the activity is first created.* @Override  
 **protected void** onCreate(Bundle savedInstanceState)  
 {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_quote\_reader***);  
  
 ListView mListView = (ListView) findViewById(R.id.***quotes\_list***);  
 mListView.setAdapter(**new** QuoteAdapter(**this**));  
  
 mListView.setOnItemClickListener(**new** AdapterView.OnItemClickListener()  
 {  
 @Override  
 **public void** onItemClick(AdapterView arg0, View arg1, **int** position, **long** arg3)  
 {  
 Intent i = **new** Intent(QuoteReaderActivity.**this**, QuoteDetail.**class**);  
 i.putExtra(**"position"**, position);  
 startActivity(i);  
 }  
 });  
 }  
  
  
}