```java
package ca.camosun.converters;
import android.content.Context;
import android.content.Intent;
import android.os.Bundle;
import android.support.annotation.NonNull;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.RecyclerView;
import android.support.v7.widget.Toolbar;
import android.support.design.widget.FloatingActionButton;
import android.support.design.widget.Snackbar;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;
import ca.camosun.converters.Converters;
// this file is based off of the DummyContent file
import java.util.List;
/**
 * An activity representing a list of Items. This activity
 * has different presentations for handset and tablet-size devices. On
 * handsets, the activity presents a list of items, which when touched,
 * lead to a {@link ItemDetailActivity} representing
 * item details. On tablets, the activity presents the list of items and
 * item details side-by-side using two vertical panes.
 */
public class ItemListActivity extends AppCompatActivity {
    /**
     * Whether or not the activity is in two-pane mode, i.e. running on a tablet
     * device.
     */
    private boolean mTwoPane;
    static Converters category;
    private static boolean categoryCreated = true;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_item_list);
        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
        toolbar.setTitle(getTitle());
        category = new Converters();
        if (categoryCreated){
            category.createConverterItems();
            categoryCreated = false;
        }
        if (findViewById(R.id.item_detail_container) != null) {
            mTwoPane = true;
        }
        View recyclerView = findViewById(R.id.item_list);
        assert recyclerView != null;
        setupRecyclerView((RecyclerView) recyclerView);
    }
// set up to make sure it sets the adapter to the converters file.
    private void setupRecyclerView(@NonNull RecyclerView recyclerView) {
        recyclerView.setAdapter(new SimpleItemRecyclerViewAdapter(this, Converters.ITEMS,
mTwoPane));
    }
    public static class SimpleItemRecyclerViewAdapter
            extends RecyclerView.Adapter<SimpleItemRecyclerViewAdapter.ViewHolder> {
        private final ItemListActivity mParentActivity;
        private final List<Converters.ConverterItem> mValues;
```

```
        private final boolean mTwoPane;
        private final View.OnClickListener mOnClickListener = new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Converters.ConverterItem item = (Converters.ConverterItem) view.getTag();
                if (mTwoPane) {
                    Bundle arguments = new Bundle();
                    arguments.putString(ItemDetailFragment.ARG_ITEM_ID, item.id);
                    ItemDetailFragment fragment = new ItemDetailFragment();
                    fragment.setArguments(arguments);
                    mParentActivity.getSupportFragmentManager().beginTransaction()
                            .replace(R.id.item_detail_container, fragment)
                            .commit();
                } else {
                    Context context = view.getContext();
                    Intent intent = new Intent(context, ItemDetailActivity.class);
                    intent.putExtra(ItemDetailFragment.ARG_ITEM_ID, item.id);
                    context.startActivity(intent);
                }
            }
        };
        SimpleItemRecyclerViewAdapter(ItemListActivity parent,
                                      List<Converters.ConverterItem> items,
                                      boolean twoPane) {
            mValues = items;
            mParentActivity = parent;
            mTwoPane = twoPane;
        }
        @Override
        public ViewHolder onCreateViewHolder(ViewGroup parent, int viewType) {
            View view = LayoutInflater.from(parent.getContext())
                    .inflate(R.layout.item_list_content, parent, false);
            return new ViewHolder(view);
        }
        @Override
        public void onBindViewHolder(final ViewHolder holder, int position) {
            holder.mIdView.setText(mValues.get(position).id);
            holder.mContentView.setText(mValues.get(position).labelName());
            holder.itemView.setTag(mValues.get(position));
            holder.itemView.setOnClickListener(mOnClickListener);
        }
        @Override
        public int getItemCount() {
            return mValues.size();
        }
        class ViewHolder extends RecyclerView.ViewHolder {
            final TextView mIdView;
            final TextView mContentView;
            ViewHolder(View view) {
                super(view);
                mIdView = (TextView) view.findViewById(R.id.id_text);
                mContentView = (TextView) view.findViewById(R.id.content);
            }
        }
    }
}
```