```java
package ca.camosun.converters;
import android.app.Activity;
import android.support.design.widget.CollapsingToolbarLayout;
import android.os.Bundle;
import android.support.v4.app.Fragment;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.EditText;
import android.view.View.OnClickListener;
/**
 * A fragment representing a single Item detail screen.
 * This fragment is either contained in a {@link ItemListActivity}
 * in two-pane mode (on tablets) or a {@link ItemDetailActivity}
 * on handsets.
 */
public class ItemDetailFragment extends Fragment implements OnClickListener{
// variables for the item id, the errors, a prompt to ask the user to enter a value and the
buttons in the app
    public static final String ARG_ITEM_ID = "item_id";
    public final String oops = "Error";
    public final String enterHere = "Enter a value";
    public final String nA = "N/A";
    EditText resultField;
    Button rightButton;
    Button leftButton;
    private Converters.ConverterItem mItem;
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        if (getArguments().containsKey(ARG_ITEM_ID)) {
            mItem = Converters.ITEM_MAP.get(getArguments().getString(ARG_ITEM_ID));
            Activity activity = this.getActivity();
            CollapsingToolbarLayout appBarLayout = (CollapsingToolbarLayout)
activity.findViewById(R.id.toolbar_layout);
            if (appBarLayout != null) {
                appBarLayout.setTitle(mItem.labelName());
            }
        }
    }
    // This function works with the on click button to do the specific conversion and
catches errors.
    //Also converts the conversions to a .00 double
    @Override
    public void onClick(View view){
        String userInput = resultField.getText().toString();
        int leftyButton = leftButton.getId();
        int rightyButton = rightButton.getId();
        int itemSelect = view.getId();
        if (itemSelect == leftyButton) {
            try {
                if (mItem.leftConverter != null) {
                    resultField.setText(String.format("%.2f",
mItem.leftConverter.convert(Double.parseDouble(userInput))));
                }
            } catch (Exception e) {
                resultField.setText(nA);
            }
            resultField.setSelection(resultField.getText().length());
        }
```

```java
        else if (itemSelect == rightyButton) {
            try {
                if (mItem.rightConverter != null) {
                    resultField.setText(String.format("%.2f",
mItem.rightConverter.convert(Double.parseDouble(userInput))));
                }
            } catch (Exception e) {
                resultField.setText(nA);
            }
            resultField.setSelection(resultField.getText().length());
        }
        else {
            resultField.setText(oops);
        }
    }
//to be able to view the information for the view and the buttons
    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                             Bundle savedInstanceState) {
        View rootView = inflater.inflate(R.layout.item_detail, container, false);
        resultField =(EditText) rootView.findViewById(R.id.resultField);
        resultField.setHint(enterHere);
        leftButton = (Button) rootView.findViewById(R.id.leftButton);
        leftButton.setText(mItem.lButtonLabel());
        leftButton.setOnClickListener((View.OnClickListener) this);
        rightButton= (Button) rootView.findViewById(R.id.rightButton);
        rightButton.setText(mItem.rButtonLabel());
        rightButton.setOnClickListener((View.OnClickListener) this);
        return rootView;
    }
}
```