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package ca.camusun.romanji;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.Spinner;
import android.widget.TextView;
//This app is a basic language translator that goes through 1 to 10 both from English and
Romanji
//and back again.
public class MainActivity extends AppCompatActivity implements
AdapterView.OnItemClickListener{
//This the button declaration and the translation field
    Button translateButton;
    TextView wordField;
    private static String nA = "Please enter a number!";
// Creates an adapter for spinner functionality to choose between English and Romanji.
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Spinner languageSelector = (Spinner) findViewById(R.id.spinner);
        ArrayAdapter<CharSequence> adapter = ArrayAdapter.createFromResource(this,
            R.array.language, android.R.layout.simple_spinner_item);
        adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        languageSelector.setAdapter(adapter);
        languageSelector.setOnItemClickListener(this);
        translateButton = findViewById(R.id.button);
        wordField = findViewById(R.id.editText);
    }
// This is for the functionality when a button has been clicked
    public void onItemClick(AdapterView<?> parent, View view,
        int pos, long id) {
        parent.getItemAtPosition(pos);
        if(pos == 0) {
            translateButton.setText("Romanji");
            translateButton.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View v) {
                    String word = wordField.getText().toString();
                    String returnValue = engToRomanji(word);
                    wordField.setText(returnValue);
                }
            });
        } else {
            translateButton.setText("English");
            translateButton.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View v) {
                    String word = wordField.getText().toString();
                    String returnValue = romanjiToeng(word);
                    wordField.setText(returnValue);
                }
            });
        }
    }
// Let's user know nothing was selected
    public void onNothingSelected(AdapterView<?> parent) {
        wordField = findViewById(R.id.editText);
    }
}

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        translateButton.setText(nA);
        wordField = null;
    }
    // Translates from English to Romanji
    public String engToRomanji (String num){
        if (num.equals("1") ){
            num = "Ichi";
        } else if (num.equals("2")){
            num = "Ni";
        } else if (num.equals("3")) {
            num = "San";
        } else if (num.equals("4")) {
            num = "Shi";
        } else if (num.equals("5")) {
            num = "Go";
        } else if (num.equals("6")) {
            num = "Roku";
        } else if (num.equals("7")) {
            num = "Sichi";
        } else if (num.equals("8")) {
            num = "Hachi";
        } else if (num.equals("9")) {
            num = "Kyu";
        } else if (num.equals("10")) {
            num = "Ju";
        }
        return num;
    }
    // translate from Romanji to English
    public String romanjiToeng (String num){
        if (num.equals("Ichi")) {
            num = "1";
        } else if (num.equals("Ni")){
            num = "2";
        } else if (num.equals("San")) {
            num = "3";
        } else if (num.equals("Shi")) {
            num = "4";
        } else if (num.equals("Go")) {
            num = "5";
        } else if (num.equals("Roku")) {
            num = "6";
        } else if (num.equals("Sichi")) {
            num = "7";
        } else if (num.equals("Hachi")) {
            num = "8";
        } else if (num.equals("Kyu")) {
            num = "9";
        } else if (num.equals("Ju")) {
            num = "10";
        }
        return num;
    }
}

```