UIControl.java

|  |
| --- |
| package com.parrillapp.parrillapp; |
|  |  |
|  | import android.content.Context; |
|  | import android.content.Intent; |
|  | import android.os.Handler; |
|  | import android.support.v7.app.AppCompatActivity; |
|  | import android.view.Menu; |
|  | import android.view.MenuItem; |
|  | import android.view.View; |
|  | import android.widget.Button; |
|  | import android.widget.EditText; |
|  | import android.widget.RadioButton; |
|  | import android.widget.Switch; |
|  | import android.widget.TextView; |
|  | import android.widget.Toast; |
|  |  |
|  | public abstract class UIControl extends AppCompatActivity { |
|  |  |
|  | protected EditText tAltura, tMin, tMax; |
|  | protected TextView tAlturaDesc, tLuzDesc, tAux, tAux2; |
|  | protected RadioButton rBajo, rMedio, rAlto; |
|  | protected TextView tEstadoAltura, tAlturaActual, tProximidad, tTemperatura, tLluvia, tLED, tBuzzer, tEstado; |
|  |  |
|  | /\*\* |
|  | \* Crea Toast con el texto dado. |
|  | \*/ |
|  | public static void crearToast(Context contexto, String texto){ |
|  | final Toast toast = Toast.makeText(contexto, texto, Toast.LENGTH\_SHORT); |
|  | toast.show(); |
|  | Handler handler = new Handler(); |
|  | handler.postDelayed(new Runnable() { |
|  | @Override |
|  | public void run() { |
|  | toast.cancel(); |
|  | } |
|  | }, 1200); |
|  | } |
|  |  |
|  | protected void iniciarView(){ |
|  |  |
|  | tAux = (TextView) findViewById(R.id.tAux); |
|  | tAux2 = (TextView) findViewById(R.id.tAux2); |
|  |  |
|  | tEstadoAltura = (TextView) findViewById(R.id.tEstadoAltura); |
|  | tAlturaActual = (TextView) findViewById(R.id.tAlturaActual); |
|  | tProximidad = (TextView) findViewById(R.id.tProximidad); |
|  | tTemperatura = (TextView) findViewById(R.id.tTemperatura); |
|  | tLluvia = (TextView) findViewById(R.id.tLluvia); |
|  | tLED = (TextView) findViewById(R.id.tLED); |
|  | tBuzzer = (TextView) findViewById(R.id.tBuzzer); |
|  | tEstado = (TextView) findViewById(R.id.tEstado); |
|  |  |
|  | tAlturaDesc = (TextView) findViewById(R.id.tAlturaDesc); |
|  | tLuzDesc = (TextView) findViewById(R.id.tLuzDesc); |
|  | tAltura = (EditText) findViewById(R.id.tAltura); |
|  | tMin = (EditText) findViewById(R.id.tMin); |
|  | tMax = (EditText) findViewById(R.id.tMax); |
|  |  |
|  | rBajo = (RadioButton) findViewById(R.id.rLuzBaja); |
|  | rMedio = (RadioButton) findViewById(R.id.rLuzMedia); |
|  | rAlto = (RadioButton) findViewById(R.id.rLuzAlta); |
|  |  |
|  | rMedio.setChecked(true); |
|  | } |
|  |  |
|  | /\*\* |
|  | \* Determina si el campo es correcto y si se encuentra entre el rango establecido. Si ok, retorna el valor. Sino, -1. |
|  | \*/ |
|  | public float verificarCondiciones(String cadena, float min, float max){ |
|  | if (cadena.matches("")) |
|  | return -1; |
|  | float val = Float.parseFloat(cadena); |
|  | if(val < min || val > max) |
|  | return -1; |
|  | return val; |
|  | } |
|  |  |
|  | /\*\* |
|  | \* Crea el menu de Ayuda |
|  | \*/ |
|  |  |
|  | @Override |
|  | public boolean onCreateOptionsMenu(Menu menu) { |
|  | getMenuInflater().inflate(R.menu.ayuda, menu); |
|  | return true; |
|  | } |
|  | /\*\* |
|  | \* Inicia el Menu de Ayuda |
|  | \*/ |
|  |  |
|  | @Override |
|  | public boolean onOptionsItemSelected(MenuItem item) { |
|  | switch (item.getItemId()) { |
|  | case R.id.ayuda: |
|  | Intent intent = new Intent(this, Ayuda.class); |
|  | startActivity(intent); |
|  | return true; |
|  | default: |
|  | return super.onOptionsItemSelected(item); |
|  | } |
|  | } |
|  |  |
|  | } |