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| Prueba de las clases de dominio | Abril 2015 | |
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2048

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# Prólogo

Este documento contiene el código que se ejecuta en el video enlazado a continuación.

<https://drive.google.com/file/d/0BxCEkST1S7jLOWdMRldrRlZsUWs/view?usp=sharing>

El sistema de testing está formado por una base de datos POSTGRESQL, que debido al gran número de fallos y problemas que hemos tenido, probablemente no sea la plataforma a utilizar en el futuro, unas clases de dominio en el package as.entity, unos archivos de configuración de hibernate, y unas clases de interfaz para las pruebas.

Como son pruebas muy especificas de un sistema parcial, estas clases de testing se encargan de hacer consultas a la base de datos y de mostrar un menú que nos permite, crear una nueva partida, o ver/editar las casillas de una partida existente.

# Tablas de la base de datos

## Tabla casella

CREATE TABLE casella

(

idpartida integer NOT NULL,

numerofila integer NOT NULL,

numerocolumna integer NOT NULL,

numero integer,

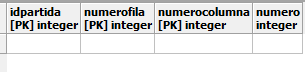
CONSTRAINT "Casella\_pkey" PRIMARY KEY (idpartida, numerofila, numerocolumna),

CONSTRAINT "Casella\_idPartida\_fkey" FOREIGN KEY (idpartida)

REFERENCES partidas (idpartida) MATCH SIMPLE

ON UPDATE NO ACTION ON DELETE NO ACTION

)



## Tabla partidas

CREATE TABLE partidas

(

idpartida integer NOT NULL,

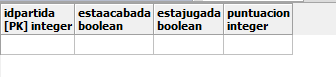
estaacabada boolean,

estajugada boolean,

puntuacion integer,

CONSTRAINT "PK" PRIMARY KEY (idpartida)

)



# Clases Dominio

## Partidas

package as.entity;

import java.util.HashSet;

import java.util.Set;

import org.hibernate.Session;

/\*\*

\* Partidas generated by hbm2java

\*/

public class Partidas implements java.io.Serializable {

private int idPartida;

private Boolean estaAcabada;

private Boolean estaJugada;

private Integer puntuacion;

private Set casellas = new HashSet(16);

public Partidas() {

}

public Partidas(int idPartida) {

this.idPartida = idPartida;

this.estaAcabada = false;

this.estaJugada = false;

this.puntuacion = 0;

for (int i = 0; i<4; ++i){

for (int j = 0; j<4; ++j){

this.casellas.add(new Casella(i,j,0,this));

}

}

}

public Partidas(int idPartida, Boolean estaAcabada, Boolean estaJugada, Integer puntuacion, Set casellas) {

this.idPartida = idPartida;

this.estaAcabada = estaAcabada;

this.estaJugada = estaJugada;

this.puntuacion = puntuacion;

this.casellas = casellas;

}

public int getIdPartida() {

return this.idPartida;

}

public void setIdPartida(int idPartida) {

this.idPartida = idPartida;

}

public Boolean getEstaAcabada() {

return this.estaAcabada;

}

public void setEstaAcabada(Boolean estaAcabada) {

this.estaAcabada = estaAcabada;

}

public Boolean getEstaJugada() {

return this.estaJugada;

}

public void setEstaJugada(Boolean estaJugada) {

this.estaJugada = estaJugada;

}

public Integer getPuntuacion() {

return this.puntuacion;

}

public void setPuntuacion(Integer puntuacion) {

this.puntuacion = puntuacion;

}

public Set getCasellas() {

return this.casellas;

}

public void setCasellas(Set casellas) {

this.casellas = casellas;

}

public void persiste(Session sesion) {

sesion.beginTransaction();

sesion.persist(this);

for (Object c : casellas) {

sesion.persist((Casella)c);

}

sesion.getTransaction().commit();

}

}

## CasellaId

package as.entity;

/\*\*

\* CasellaId generated by hbm2java

\*/

public class CasellaId implements java.io.Serializable {

private int idPartida;

private int numeroFila;

private int numeroColumna;

public CasellaId() {

}

public CasellaId(int idPartida, int numeroFila, int numeroColumna) {

this.idPartida = idPartida;

this.numeroFila = numeroFila;

this.numeroColumna = numeroColumna;

}

public int getIdPartida() {

return this.idPartida;

}

public void setIdPartida(int idPartida) {

this.idPartida = idPartida;

}

public int getNumeroFila() {

return this.numeroFila;

}

public void setNumeroFila(int numeroFila) {

this.numeroFila = numeroFila;

}

public int getNumeroColumna() {

return this.numeroColumna;

}

public void setNumeroColumna(int numeroColumna) {

this.numeroColumna = numeroColumna;

}

public boolean equals(Object other) {

if ( (this == other ) ) return true;

if ( (other == null ) ) return false;

if ( !(other instanceof CasellaId) ) return false;

CasellaId castOther = ( CasellaId ) other;

return (this.getIdPartida()==castOther.getIdPartida())

&& (this.getNumeroFila()==castOther.getNumeroFila())

&& (this.getNumeroColumna()==castOther.getNumeroColumna());

}

public int hashCode() {

int result = 17;

result = 37 \* result + this.getIdPartida();

result = 37 \* result + this.getNumeroFila();

result = 37 \* result + this.getNumeroColumna();

return result;

}

}

## Casella

package as.entity;

/\*\*

\* Casella generated by hbm2java

\*/

public class Casella implements java.io.Serializable {

private CasellaId id;

private Partidas partidas;

private Integer numero;

public Casella() {

}

public Casella(CasellaId id, Partidas partidas) {

this.id = id;

this.partidas = partidas;

}

public Casella(int fila, int columna, int punt, Partidas partidas) {

this.id = new CasellaId(partidas.getIdPartida(),fila,columna);

this.partidas = partidas;

this.numero = punt;

}

public Casella(CasellaId id, Partidas partidas, Integer numero) {

this.id = id;

this.partidas = partidas;

this.numero = numero;

}

public CasellaId getId() {

return this.id;

}

public void setId(CasellaId id) {

this.id = id;

}

public Partidas getPartidas() {

return this.partidas;

}

public void setPartidas(Partidas partidas) {

this.partidas = partidas;

}

public Integer getNumero() {

return this.numero;

}

public void setNumero(Integer numero) {

this.numero = numero;

}

}

## Hibernate Configuration Files

## Hibernate.cfg.xml

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE hibernate-configuration PUBLIC "-//Hibernate/Hibernate Configuration DTD 3.0//EN" "http://hibernate.sourceforge.net/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<property name="hibernate.dialect">org.hibernate.dialect.PostgreSQLDialect</property>

<property name="hibernate.connection.driver\_class">org.postgresql.Driver</property>

<property name="hibernate.connection.url">jdbc:postgresql://localhost:5432/AS1</property>

<property name="hibernate.connection.username">usras</property>

<property name="hibernate.connection.password">usrASusrAS</property>

<property name="hibernate.show\_sql">true</property>

<property name="hibernate.query.factory\_class">org.hibernate.hql.internal.classic.ClassicQueryTranslatorFactory</property>

<mapping resource="as/entity/Casella.hbm.xml"/>

<mapping resource="as/entity/Partidas.hbm.xml"/>

</session-factory>

</hibernate-configuration>

## Hibernate.reveng.xml

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE hibernate-reverse-engineering PUBLIC "-//Hibernate/Hibernate Reverse Engineering DTD 3.0//EN" "http://hibernate.sourceforge.net/hibernate-reverse-engineering-3.0.dtd">

<hibernate-reverse-engineering>

<schema-selection match-catalog="AS1" match-schema="public"/>

<table-filter match-name="partidas"/>

<table-filter match-name="casella"/>

</hibernate-reverse-engineering>

## Casella.hbm.xml

<?xml version="1.0"?>

<!DOCTYPE hibernate-mapping PUBLIC "-//Hibernate/Hibernate Mapping DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-mapping-3.0.dtd">

<!-- Generated 07-abr-2015 16:04:59 by Hibernate Tools 4.3.1 -->

<hibernate-mapping>

<class name="as.entity.Casella" table="casella" schema="public" optimistic-lock="version">

<composite-id name="id" class="as.entity.CasellaId">

<key-property name="idPartida" type="int">

<column name="idpartida" />

</key-property>

<key-property name="numeroFila" type="int">

<column name="numerofila" />

</key-property>

<key-property name="numeroColumna" type="int">

<column name="numerocolumna" />

</key-property>

</composite-id>

<many-to-one name="partidas" class="as.entity.Partidas" update="false" insert="false" fetch="select">

<column name="idpartida" not-null="true" />

</many-to-one>

<property name="numero" type="java.lang.Integer">

<column name="numero" />

</property>

</class>

</hibernate-mapping>

## Partidas.hbm.xml

<?xml version="1.0"?>

<!DOCTYPE hibernate-mapping PUBLIC "-//Hibernate/Hibernate Mapping DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-mapping-3.0.dtd">

<!-- Generated 07-abr-2015 16:04:59 by Hibernate Tools 4.3.1 -->

<hibernate-mapping>

<class name="as.entity.Partidas" table="partidas" schema="public" optimistic-lock="version">

<id name="idPartida" type="int">

<column name="idpartida" />

<generator class="assigned" />

</id>

<property name="estaAcabada" type="java.lang.Boolean">

<column name="estaacabada" />

</property>

<property name="estaJugada" type="java.lang.Boolean">

<column name="estajugada" />

</property>

<property name="puntuacion" type="java.lang.Integer">

<column name="puntuacion" />

</property>

<set name="casellas" table="casella" inverse="true" lazy="true" fetch="select">

<key>

<column name="idpartida" not-null="true" />

</key>

<one-to-many class="as.entity.Casella" />

</set>

</class>

</hibernate-mapping>

## Hibernate.Util.java

/\*

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\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

package as.util;

import org.hibernate.cfg.AnnotationConfiguration;

import org.hibernate.SessionFactory;

/\*\*

\* Hibernate Utility class with a convenient method to get Session Factory

\* object.

\*

\* @author fjgarate

\*/

public class HibernateUtil {

private static final SessionFactory sessionFactory;

static {

try {

// Create the SessionFactory from standard (hibernate.cfg.xml)

// config file.

sessionFactory = new AnnotationConfiguration().configure().buildSessionFactory();

} catch (Throwable ex) {

// Log the exception.

System.err.println("Initial SessionFactory creation failed." + ex);

throw new ExceptionInInitializerError(ex);

}

}

public static SessionFactory getSessionFactory() {

return sessionFactory;

}

}

# Testing tool

## Menu.java

/\*

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\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

package as.gui;

import as.entity.Partidas;

import as.util.HibernateUtil;

import org.hibernate.Session;

import org.hibernate.criterion.Order;

/\*\*

\*

\* @author fjgarate

\*/

public class Menu extends javax.swing.JFrame {

/\*\*

\* Creates new form Menu

\*/

public Menu() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

menuBar = new javax.swing.JMenuBar();

fileMenu = new javax.swing.JMenu();

openMenuItem = new javax.swing.JMenuItem();

saveMenuItem = new javax.swing.JMenuItem();

saveAsMenuItem = new javax.swing.JMenuItem();

exitMenuItem = new javax.swing.JMenuItem();

editMenu = new javax.swing.JMenu();

cutMenuItem = new javax.swing.JMenuItem();

copyMenuItem = new javax.swing.JMenuItem();

pasteMenuItem = new javax.swing.JMenuItem();

deleteMenuItem = new javax.swing.JMenuItem();

helpMenu = new javax.swing.JMenu();

contentsMenuItem = new javax.swing.JMenuItem();

aboutMenuItem = new javax.swing.JMenuItem();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jButton1.setText("Find Partida");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton2.setText("New Partida");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

fileMenu.setMnemonic('f');

fileMenu.setText("File");

openMenuItem.setMnemonic('o');

openMenuItem.setText("Open");

fileMenu.add(openMenuItem);

saveMenuItem.setMnemonic('s');

saveMenuItem.setText("Save");

fileMenu.add(saveMenuItem);

saveAsMenuItem.setMnemonic('a');

saveAsMenuItem.setText("Save As ...");

saveAsMenuItem.setDisplayedMnemonicIndex(5);

fileMenu.add(saveAsMenuItem);

exitMenuItem.setMnemonic('x');

exitMenuItem.setText("Exit");

exitMenuItem.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

exitMenuItemActionPerformed(evt);

}

});

fileMenu.add(exitMenuItem);

menuBar.add(fileMenu);

editMenu.setMnemonic('e');

editMenu.setText("Edit");

cutMenuItem.setMnemonic('t');

cutMenuItem.setText("Cut");

editMenu.add(cutMenuItem);

copyMenuItem.setMnemonic('y');

copyMenuItem.setText("Copy");

editMenu.add(copyMenuItem);

pasteMenuItem.setMnemonic('p');

pasteMenuItem.setText("Paste");

editMenu.add(pasteMenuItem);

deleteMenuItem.setMnemonic('d');

deleteMenuItem.setText("Delete");

editMenu.add(deleteMenuItem);

menuBar.add(editMenu);

helpMenu.setMnemonic('h');

helpMenu.setText("Help");

contentsMenuItem.setMnemonic('c');

contentsMenuItem.setText("Contents");

helpMenu.add(contentsMenuItem);

aboutMenuItem.setMnemonic('a');

aboutMenuItem.setText("About");

helpMenu.add(aboutMenuItem);

menuBar.add(helpMenu);

setJMenuBar(menuBar);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap(254, Short.MAX\_VALUE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 125, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(21, 21, 21))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(20, 20, 20)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 125, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(255, Short.MAX\_VALUE)))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT\_SIZE, 257, Short.MAX\_VALUE)

.addContainerGap())

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jButton2, javax.swing.GroupLayout.DEFAULT\_SIZE, 257, Short.MAX\_VALUE)

.addContainerGap()))

);

pack();

}// </editor-fold>

private void exitMenuItemActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

// Find partidas

CasillasInPartida cip = new CasillasInPartida();

cip.setVisible(true);

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

// New Partida

Session session = HibernateUtil.getSessionFactory().openSession();

// Coger el id máximo

Partidas newest = (Partidas) session.createCriteria(Partidas.class)

.addOrder(Order.desc("idPartida"))

.setMaxResults(1)

.uniqueResult();

int nextid = 1;

if (newest != null) nextid = newest.getIdPartida() +1;

Partidas p = new Partidas(nextid);

p.persiste(session);

session.close();

NuevaPartidaDialog diag = new NuevaPartidaDialog(this,true,nextid);

diag.setVisible(true);

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new Menu().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JMenuItem aboutMenuItem;

private javax.swing.JMenuItem contentsMenuItem;

private javax.swing.JMenuItem copyMenuItem;

private javax.swing.JMenuItem cutMenuItem;

private javax.swing.JMenuItem deleteMenuItem;

private javax.swing.JMenu editMenu;

private javax.swing.JMenuItem exitMenuItem;

private javax.swing.JMenu fileMenu;

private javax.swing.JMenu helpMenu;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JMenuBar menuBar;

private javax.swing.JMenuItem openMenuItem;

private javax.swing.JMenuItem pasteMenuItem;

private javax.swing.JMenuItem saveAsMenuItem;

private javax.swing.JMenuItem saveMenuItem;

}

## NuevaPartidaDialog.java

/\*

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

package as.gui;

import java.awt.event.ActionEvent;

import java.awt.event.KeyEvent;

import javax.swing.AbstractAction;

import javax.swing.ActionMap;

import javax.swing.InputMap;

import javax.swing.JComponent;

import javax.swing.KeyStroke;

/\*\*

\*

\* @author fjgarate

\*/

public class NuevaPartidaDialog extends javax.swing.JDialog {

/\*\*

\* A return status code - returned if Cancel button has been pressed

\*/

public static final int RET\_CANCEL = 0;

/\*\*

\* A return status code - returned if OK button has been pressed

\*/

public static final int RET\_OK = 1;

/\*\*

\* Creates new form NuevaPartidaDialog

\*/

public NuevaPartidaDialog(java.awt.Frame parent, boolean modal, Integer nueid) {

super(parent, modal);

initComponents();

this.newpid.setText(nueid.toString());

// Close the dialog when Esc is pressed

String cancelName = "cancel";

InputMap inputMap = getRootPane().getInputMap(JComponent.WHEN\_ANCESTOR\_OF\_FOCUSED\_COMPONENT);

inputMap.put(KeyStroke.getKeyStroke(KeyEvent.VK\_ESCAPE, 0), cancelName);

ActionMap actionMap = getRootPane().getActionMap();

actionMap.put(cancelName, new AbstractAction() {

public void actionPerformed(ActionEvent e) {

doClose(RET\_CANCEL);

}

});

}

/\*\*

\* @return the return status of this dialog - one of RET\_OK or RET\_CANCEL

\*/

public int getReturnStatus() {

return returnStatus;

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

okButton = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

newpid = new javax.swing.JLabel();

addWindowListener(new java.awt.event.WindowAdapter() {

public void windowClosing(java.awt.event.WindowEvent evt) {

closeDialog(evt);

}

});

okButton.setText("OK");

okButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

okButtonActionPerformed(evt);

}

});

jLabel1.setText("New Partida id:");

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1)

.addGap(31, 31, 31)

.addComponent(newpid)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap(26, Short.MAX\_VALUE)

.addComponent(okButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 67, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(98, 98, 98))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addGap(20, 20, 20)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel1)

.addComponent(newpid))

.addGap(33, 33, 33)

.addComponent(okButton)

.addContainerGap(25, Short.MAX\_VALUE))

);

getRootPane().setDefaultButton(okButton);

pack();

}// </editor-fold>

private void okButtonActionPerformed(java.awt.event.ActionEvent evt) {

doClose(RET\_OK);

}

/\*\*

\* Closes the dialog

\*/

private void closeDialog(java.awt.event.WindowEvent evt) {

doClose(RET\_CANCEL);

}

private void doClose(int retStatus) {

returnStatus = retStatus;

setVisible(false);

dispose();

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(NuevaPartidaDialog.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(NuevaPartidaDialog.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(NuevaPartidaDialog.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(NuevaPartidaDialog.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the dialog \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

NuevaPartidaDialog dialog = new NuevaPartidaDialog(new javax.swing.JFrame(), true,0);

dialog.addWindowListener(new java.awt.event.WindowAdapter() {

@Override

public void windowClosing(java.awt.event.WindowEvent e) {

System.exit(0);

}

});

dialog.setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel newpid;

private javax.swing.JButton okButton;

// End of variables declaration

private int returnStatus = RET\_CANCEL;

}

## CasillasInPartida.java

/\*

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

package as.gui;

import as.entity.Casella;

import as.entity.Partidas;

import as.util.HibernateUtil;

import java.util.ArrayList;

import java.util.List;

import java.util.Vector;

import javax.swing.RowSorter;

import javax.swing.SortOrder;

import javax.swing.table.DefaultTableModel;

import javax.swing.table.TableModel;

import javax.swing.table.TableRowSorter;

import org.hibernate.HibernateException;

import org.hibernate.Query;

import org.hibernate.Session;

import org.hibernate.Transaction;

/\*\*

\*

\* @author fjgarate

\*/

public class CasillasInPartida extends javax.swing.JFrame {

/\*\*

\* Creates new form ventana

\*/

public CasillasInPartida() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

idPartidaText = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

resultTable = new javax.swing.JTable();

jButton1 = new javax.swing.JButton();

jLabel2 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jLabel1.setText("id Partida:");

resultTable.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane1.setViewportView(resultTable);

jButton1.setText("Buscar");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jLabel2.setText("Caselles trobades");

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 697, Short.MAX\_VALUE)

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel1)

.addGap(18, 18, 18)

.addComponent(idPartidaText, javax.swing.GroupLayout.PREFERRED\_SIZE, 112, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jButton1)

.addGap(0, 0, Short.MAX\_VALUE)))

.addContainerGap())

.addGroup(layout.createSequentialGroup()

.addGap(341, 341, 341)

.addComponent(jLabel2)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel1)

.addComponent(idPartidaText, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton1))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 15, Short.MAX\_VALUE)

.addComponent(jLabel2)

.addGap(18, 18, 18)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 265, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

pack();

}// </editor-fold>

private static String PARTIDAS\_QUERY\_BASED\_ON\_IDPARTIDA="from Partidas p where p.idPartida = ";

private static String CASELLES\_QUERY\_BASED\_ON\_IDPARTIDA="from Casella c where c.id.idPartida = ";

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

if (idPartidaText.getText() != "") {

executeHQLQuery(PARTIDAS\_QUERY\_BASED\_ON\_IDPARTIDA + idPartidaText.getText());

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(CasillasInPartida.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(CasillasInPartida.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(CasillasInPartida.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(CasillasInPartida.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new CasillasInPartida().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JTextField idPartidaText;

private javax.swing.JButton jButton1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable resultTable;

// End of variables declaration

private Partidas p;

private void executeHQLQuery(String hql) {

try {

Session session = HibernateUtil.getSessionFactory().openSession();

session.beginTransaction();

Query q = session.createQuery(hql);

List resultList = q.list();

displayResult(resultList);

session.getTransaction().commit();

session.close();

} catch (HibernateException he) {

he.printStackTrace();

}

}

private void displayResult(List resultList) {

Vector<String> tableHeaders = new Vector<String>();

Vector tableData = new Vector();

tableHeaders.add("Numero Fila");

tableHeaders.add("Numero Columna");

tableHeaders.add("Numero");

for(Object o : resultList) {

p = (Partidas)o;

for(Object ocs : p.getCasellas()) {

Casella cas = (Casella)ocs;

Vector<Object> oneRow = new Vector<Object>();

oneRow.add(cas.getId().getNumeroFila());

oneRow.add(cas.getId().getNumeroColumna());

oneRow.add(cas.getNumero());

tableData.add(oneRow);

}

}

DefaultTableModel model = new DefaultTableModel(tableData, tableHeaders)

{

public boolean isCellEditable(int row, int column)

{

if (column != 2) return false;

return true;

}

@Override

public void setValueAt(Object value, int row, int col) {

ArrayList<Casella> cs = new ArrayList<Casella>(p.getCasellas());

int v = Integer.parseInt((String)value);

int numfila = (int)this.getValueAt(row, 0);

int numcolu = (int)this.getValueAt(row, 1);

for (Casella c : cs){

if (numfila == c.getId().getNumeroFila() && numcolu == c.getId().getNumeroColumna()) {

c.setNumero(v);

Session session = HibernateUtil.getSessionFactory().openSession();

try {

Transaction tx = session.beginTransaction();

session.update(c);

tx.commit();

}

catch (HibernateException e) {

e.printStackTrace();

session.getTransaction().rollback();

} finally {

session.close();

//jButton1ActionPerformed(null);

}

break;

}

}

fireTableCellUpdated(row, col);

jButton1ActionPerformed(null);

}

// return true;

};

resultTable.setModel(model);

TableRowSorter<TableModel> sorter = new TableRowSorter<>(resultTable.getModel());

resultTable.setRowSorter(sorter);

List<RowSorter.SortKey> sortKeys = new ArrayList<>();

int columnIndexToSort = 0;

sortKeys.add(new RowSorter.SortKey(columnIndexToSort, SortOrder.ASCENDING));

sortKeys.add(new RowSorter.SortKey(columnIndexToSort+1, SortOrder.ASCENDING));

sorter.setSortKeys(sortKeys);

sorter.sort();

}

}