

Clase VentanaWeb

```
1
2 package pilasennavegadorweb;
3
4 import javax.swing.JOptionPane;
5
6 public class VentanaWeb extends javax.swing.JFrame {
7
8     Pila pila = new Pila(30);
9
10    public VentanaWeb() {
11        initComponents();
12        iniciarComponente();
13    }
14
15    @SuppressWarnings("unchecked")
16    // <editor-fold defaultstate="collapsed" desc="Generated Code">
17    private void initComponents() {
18
19        jScrollPane1 = new javax.swing.JScrollPane();
20        display = new javax.swing.JEditorPane();
21        jPanel1 = new javax.swing.JPanel();
22        jButton1 = new javax.swing.JButton();
23        jButton2 = new javax.swing.JButton();
24        input = new javax.swing.JTextField();
25        btnBuscar = new javax.swing.JButton();
26        jLabel1 = new javax.swing.JLabel();
27        jLabel2 = new javax.swing.JLabel();
28
29
30        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
31        setForeground(java.awt.Color.cyan);
32        setName("NavegadorWeb"); // NOI18N
33        setResizable(false);
34
35        display.setFont(new java.awt.Font("Open Sans ExtraBold", 2,
36)); // NOI18N
37        display.setForeground(new java.awt.Color(255, 51, 0));
38        jScrollPane1.setViewportView(display);
39
40        jPanel1.setBackground(new java.awt.Color(0, 153, 153));
41
42        jButton1.setText("Atras");
43        jButton1.setToolTipText("Regresa a la pagina anterior");
44
45        jButton1.setBorder(javax.swing.BorderFactory.createLineBorder(new
46        java.awt.Color(204, 204, 204)));
47
48        jButton1.addActionListener(new java.awt.event.ActionListener()
49        {
50            public void actionPerformed(java.awt.event.ActionEvent evt)
51            {
52                jButton1ActionPerformed(evt);
53            }
54        });
55    }
56}
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```
47         });
48
49         jButton2.setText("Avanzar");
50         jButton2.setToolTipText("Avanzar a la siguiente pagina");
51
jButton2.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(204, 204, 204)));
52         jButton2.addActionListener(new java.awt.event.ActionListener()
{
53             public void actionPerformed(java.awt.event.ActionEvent evt)
{
54                 jButton2ActionPerformed(evt);
55             }
56         });
57
58         btnBuscar.setText("Buscar");
59         btnBuscar.addActionListener(new java.awt.event.ActionListener()
{
60             public void actionPerformed(java.awt.event.ActionEvent evt)
{
61                 btnBuscarActionPerformed(evt);
62             }
63         });
64
65         jLabel1.setFont(new java.awt.Font("Dialog", 1, 14)); // NOI18N
66         jLabel1.setForeground(new java.awt.Color(255, 255, 255));
67         jLabel1.setText("URL:");
68
69         javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
70         jPanel1.setLayout(jPanel1Layout);
71         jPanel1Layout.setHorizontalGroup(
72
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
73             .addGroup(jPanel1Layout.createSequentialGroup()
74                 .addContainerGap()
75                 .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 90,
javax.swing.GroupLayout.PREFERRED_SIZE)
76                 .addGap(18, 18, 18)
77                 .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 85,
javax.swing.GroupLayout.PREFERRED_SIZE)
78                 .addGap(33, 33, 33)
79                 .addComponent(jLabel1)
80
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
81                 .addComponent(input)
82
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
83                 .addComponent(btnBuscar)
```

```

84         .addContainerGap()
85     );
86     jPanel1Layout.setVerticalGroup(
87
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
88         .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
89             .addContainerGap()
90
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.TRAILING)
91             .addGroup(jPanel1Layout.createSequentialGroup())
92
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.BASELINE)
93             .addComponent(jButton2,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
94             .addComponent(jButton1,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
95             .addGap(9, 9, 9))
96
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.BASELINE)
97             .addComponent(input,
javax.swing.GroupLayout.DEFAULT_SIZE, 36, Short.MAX_VALUE)
98             .addComponent(btnBuscar,
javax.swing.GroupLayout.DEFAULT_SIZE, 36, Short.MAX_VALUE)
99             .addComponent(jLabel1)))
100         .addContainerGap()
101     );
102
103     jLabel2.setFont(new java.awt.Font("Dialog", 1, 24)); // NOI18N
104     jLabel2.setForeground(new java.awt.Color(0, 0, 0));
105     jLabel2.setText("SIMULADOR DE UN NAVEGADOR WEB APLICANDO
PILAS");
106
107     javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
108     getContentPane().setLayout(layout);
109     layout.setHorizontalGroup(
110
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
111         .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
112         .addComponent(jScrollPane1)
113         .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
114             .addContainerGap(302, Short.MAX_VALUE)

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115         .addComponent(jLabel2,
javax.swing.GroupLayout.PREFERRED_SIZE, 686,
javax.swing.GroupLayout.PREFERRED_SIZE)
116         .addGap(226, 226, 226))
117     );
118     layout.setVerticalGroup(
119     layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
120         .addGroup(layout.createSequentialGroup())
121         .addGap(16, 16, 16)
122         .addComponent(jLabel2,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
123         .addGap(18, 18, 18)
124         .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
125     .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
126         .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 574,
javax.swing.GroupLayout.PREFERRED_SIZE))
127     );
128
129     pack();
130     setLocationRelativeTo(null);
131 } // </editor-fold>
132
133 private void iniciarComponente() {
134
135     String direccionInicial=
"file:///C:/Users/Alexis/Desktop/proyectoEditado/PilasEnNavegadorWeb_2.0/Pi
lasEnNavegadorWeb_2.0/PilasEnNavegadorWeb/src/resources/paginaInicial.html"
;
136     pila.visitarSitioWeb(direccionInicial);
137
138
139     try{
140         this.display.setPage(direccionInicial);
141     }catch(Exception e){};
142     this.input.setText("");
143
144
145     }
146
147 private void btnBuscarActionPerformed(java.awt.event.ActionEvent
evt) {
148
149     String direccion= this.input.getText();
150     pila.visitarSitioWeb(direccion);
151
```

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```
152         try{
153             this.display.setPage(direccion);
154         }
155         catch(Exception e){
156             JOptionPane.showMessageDialog(null, "Error en la direccion
157             ingresada");
158         };
159     };
160
161 }
162
163 private void jButton1ActionPerformed(java.awt.event.ActionEvent
164 evt) {
165     try{
166         display.setPage(pila.regresar());
167     }catch(Exception e){};
168 }
169
170 private void jButton2ActionPerformed(java.awt.event.ActionEvent
171 evt) {
172     // TODO add your handling code here:
173     try{
174         display.setPage(pila.avanzar());
175     }catch(Exception e){};
176 }
177
178
179 public static void main(String args[]) {
180     java.awt.EventQueue.invokeLater(new Runnable() {
181         public void run() {
182             new VentanaWeb().setVisible(true);
183         }
184     });
185 }
186
187
188 // Variables declaration - do not modify
189 private javax.swing.JButton btnBuscar;
190 private javax.swing.JEditorPane display;
191 private javax.swing.JTextField input;
192 private javax.swing.JButton jButton1;
193 private javax.swing.JButton jButton2;
194 private javax.swing.JLabel jLabel1;
195 private javax.swing.JLabel jLabel2;
196 private javax.swing.JPanel jPanel1;
197 private javax.swing.JScrollPane jScrollPane1;
198 // End of variables declaration
199 }
```