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01 package GUILayer;
02
03 import GUILayer.*;
04
05
06 import java.awt.BorderLayout;
07 import java.awt.EventQueue;
08
09 import javax.swing.JFrame;
10 import javax.swing.JPanel;
11 import javax.swing.border.EmptyBorder;
12 import javax.swing.border.TitledBorder;
13 import javax.swing.text.JTextComponent;
14 import javax.swing.UIManager;
15 import java.awt.Color;
16 import javax.swing.JTextField;
17 import javax.swing.JButton;
18 import javax.swing.JLabel;
19 import java.awt.event.ActionListener;
20 import java.awt.event.ActionEvent;
21 import java.util.ArrayList;
22
23 import ModelLayer.*;
24 import ControlLayer.*;
25 import javax.swing.JList;
26 import javax.swing.JTable;
27
28 public class MasterGUI extends JFrame {
29
30     private JPanel contentPane;
31     private JTextField textField;
32     private JTextField textField_1;
33     private JTextField textField_2;
34     private JTextField textField_3;
35     private JTextField textField_4;
36     private JTextField txtColor;
37     private JTextField txtFur;
38     private JTextField txtDate;
39     private JTextField txtCageMink;
40     private JTextField txtDensity;
41     private JTextField txtQuality;
42     private JTextField textField_5;
43     private JTextField textField_6;
44     private JTextField textField_7;
45     private JTable table_1;
46     private JLabel lblNewLabel;
47     private CTRCage cagCTR;
48     private Cage cag;
49     private Hall hal;
50     private Column col;
51     private Mink mink;
52     private JTextField textField_8;
53     private JTextField textField_9;
54
55
56     /**
57      * Launch the application.
58      */
59     public static void main(String[] args) {
60         EventQueue.invokeLater(new Runnable() {
61             public void run() {
62                 try {
63                     MasterGUI frame = new MasterGUI();
64                     frame.setVisible(true);

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65         } catch (Exception e) {
66             e.printStackTrace();
67         }
68     }
69 });
70 }
71
72 /**
73  * Create the frame.
74  */
75 public MasterGUI() {
76     setTitle("Adminq");
77     setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
78     setBounds(100, 100, 1116, 650);
79     contentPane = new JPanel();
80     contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
81     setContentPane(contentPane);
82     contentPane.setLayout(null);
83
84     JPanel panel = new JPanel();
85     panel.setBounds(20, 11, 203, 166);
86     panel.setBorder(new TitledBorder(UIManager.getBorder(
87         "TitledBorder.border"), "Opret hal", TitledBorder.LEFT,
88         TitledBorder.TOP, null, new Color(0, 0, 0)));
89     panel.setToolTipText("Create hall");
90     contentPane.add(panel);
91     panel.setLayout(null);
92
93     textField = new JTextField();
94     textField.setBounds(10, 35, 183, 20);
95     panel.add(textField);
96     textField.setColumns(10);
97
98     JButton btnSg = new JButton("Update");
99     btnSg.setBounds(10, 119, 89, 23);
100    panel.add(btnSg);
101
102    JButton btnOpret = new JButton("Opret");
103    btnOpret.addActionListener(new ActionListener() {
104        public void actionPerformed(ActionEvent e)
105        {
106            addHall();
107        }
108    });
109    btnOpret.setBounds(104, 119, 89, 23);
110    panel.add(btnOpret);
111
112    JLabel lblHalNr = new JLabel("Hal nr:");
113    lblHalNr.setBounds(10, 22, 46, 14);
114    panel.add(lblHalNr);
115
116    textField_9 = new JTextField();
117    textField_9.setColumns(10);
118    textField_9.setBounds(10, 79, 183, 20);
119    panel.add(textField_9);
120
121    JLabel label_4 = new JLabel("Hal nr:");
122    label_4.setBounds(10, 66, 46, 14);
123    panel.add(label_4);
124
125    JPanel panel_1 = new JPanel();
126    panel_1.setLayout(null);
127    panel_1.setToolTipText("Create hall");
128    panel_1.setBorder(new TitledBorder(UIManager.getBorder(

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129         "TitledBorder.border"), "Opret fag", TitledBorder.LEFT,
130         TitledBorder.TOP, null, new Color(0, 0, 0)));
131     panel_1.setBounds(233, 11, 203, 166);
132     contentPane.add(panel_1);
133
134     textField_1 = new JTextField();
135     textField_1.setColumns(10);
136     textField_1.setBounds(10, 37, 183, 20);
137     panel_1.add(textField_1);
138
139     JButton btnUpdate_1 = new JButton("Update");
140     btnUpdate_1.setBounds(10, 119, 89, 23);
141     panel_1.add(btnUpdate_1);
142
143     JButton button_1 = new JButton("Opret");
144     button_1.addActionListener(new ActionListener() {
145         public void actionPerformed(ActionEvent e)
146         {
147             createColumn();
148         }
149     });
150     button_1.setBounds(104, 119, 89, 23);
151     panel_1.add(button_1);
152
153     JLabel lblColumnNr_1 = new JLabel("Column nr:");
154     lblColumnNr_1.setBounds(10, 22, 116, 14);
155     panel_1.add(lblColumnNr_1);
156
157     JLabel lblColumnNr = new JLabel("Hal nr:");
158     lblColumnNr.setBounds(10, 68, 71, 14);
159     panel_1.add(lblColumnNr);
160
161     textField_2 = new JTextField();
162     textField_2.setColumns(10);
163     textField_2.setBounds(10, 85, 183, 20);
164     panel_1.add(textField_2);
165
166     JPanel panel_2 = new JPanel();
167     panel_2.setLayout(null);
168     panel_2.setToolTipText("Create hall");
169     panel_2.setBorder(new TitledBorder(UIManager.getBorder(
170         "TitledBorder.border"), "Bur information", TitledBorder.
171         LEFT, TitledBorder.TOP, null, new Color(0, 0, 0)));
172     panel_2.setBounds(446, 11, 203, 205);
173     contentPane.add(panel_2);
174
175     textField_3 = new JTextField();
176     textField_3.setColumns(10);
177     textField_3.setBounds(10, 37, 183, 20);
178     panel_2.add(textField_3);
179
180     JButton btnUpdate = new JButton("Update");
181     btnUpdate.setBounds(10, 164, 89, 23);
182     panel_2.add(btnUpdate);
183
184     JButton button_3 = new JButton("Opret");
185     button_3.addActionListener(new ActionListener() {
186         public void actionPerformed(ActionEvent arg0)
187         {
188             createCage();
189         }
190     });
191     button_3.setBounds(104, 164, 89, 23);
192     panel_2.add(button_3);

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193
194 JLabel lblBurNr = new JLabel("Bur nr:");
195 lblBurNr.setBounds(10, 22, 46, 14);
196 panel_2.add(lblBurNr);
197
198 JLabel label_2 = new JLabel("Column nr:");
199 label_2.setBounds(10, 68, 71, 14);
200 panel_2.add(label_2);
201
202 textField_4 = new JTextField();
203 textField_4.setColumns(10);
204 textField_4.setBounds(10, 85, 183, 20);
205 panel_2.add(textField_4);
206
207 textField_8 = new JTextField();
208 textField_8.setColumns(10);
209 textField_8.setBounds(10, 133, 183, 20);
210 panel_2.add(textField_8);
211
212 JLabel lblBurType = new JLabel("Bur type:");
213 lblBurType.setBounds(10, 116, 71, 14);
214 panel_2.add(lblBurType);
215
216 JPanel panel_3 = new JPanel();
217 panel_3.setLayout(null);
218 panel_3.setToolTipText("Create hall");
219 panel_3.setBorder(new TitledBorder(UIManager.getBorder(
220 "TitledBorder.border"), "Opret Mink", TitledBorder.LEFT,
221 TitledBorder.TOP, null, new Color(0, 0, 0)));
222 panel_3.setBounds(654, 11, 423, 166);
223 contentPane.add(panel_3);
224
225 txtColor = new JTextField();
226 txtColor.setColumns(10);
227 txtColor.setBounds(10, 37, 116, 20);
228 panel_3.add(txtColor);
229
230 JLabel lblColor = new JLabel("Color:");
231 lblColor.setBounds(10, 22, 46, 14);
232 panel_3.add(lblColor);
233
234 JLabel lblPelsLngde = new JLabel("Pels l\u00E6ngde:");
235 lblPelsLngde.setBounds(10, 68, 116, 14);
236 panel_3.add(lblPelsLngde);
237
238 txtFur = new JTextField();
239 txtFur.setColumns(10);
240 txtFur.setBounds(10, 85, 116, 20);
241 panel_3.add(txtFur);
242
243 JLabel lblPelsTthed = new JLabel("F\u00F8de\u00E5r:");
244 lblPelsTthed.setBounds(288, 22, 71, 14);
245 panel_3.add(lblPelsTthed);
246
247 txtDate = new JTextField();
248 txtDate.setColumns(10);
249 txtDate.setBounds(288, 37, 116, 20);
250 panel_3.add(txtDate);
251
252 txtCageMink = new JTextField();
253 txtCageMink.setColumns(10);
254 txtCageMink.setBounds(288, 85, 116, 20);
255 panel_3.add(txtCageMink);
256

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257 JLabel lblBurNr_1 = new JLabel("Bur nr:");
258 lblBurNr_1.setBounds(288, 68, 71, 14);
259 panel_3.add(lblBurNr_1);
260
261 JLabel lblKvalitet = new JLabel("Kvalitet:");
262 lblKvalitet.setBounds(148, 68, 71, 14);
263 panel_3.add(lblKvalitet);
264
265 txtDensity = new JTextField();
266 txtDensity.setColumns(10);
267 txtDensity.setBounds(148, 37, 116, 20);
268 panel_3.add(txtDensity);
269
270 JLabel lblFdselsr = new JLabel("Pels t\u00E6thed");
271 lblFdselsr.setBounds(148, 22, 84, 14);
272 panel_3.add(lblFdselsr);
273
274 JButton btnNewButton = new JButton("Opret");
275 btnNewButton.addActionListener(new ActionListener() {
276     public void actionPerformed(ActionEvent e)
277     {
278         createMink();
279     }
280 });
281 btnNewButton.setBounds(316, 116, 89, 23);
282 panel_3.add(btnNewButton);
283
284 JButton btnSg_1 = new JButton("Update");
285 btnSg_1.setBounds(217, 116, 89, 23);
286 panel_3.add(btnSg_1);
287
288 txtQuality = new JTextField();
289 txtQuality.setBounds(148, 85, 116, 20);
290 panel_3.add(txtQuality);
291 txtQuality.setColumns(10);
292
293 JPanel panel_4 = new JPanel();
294 panel_4.setLayout(null);
295 panel_4.setToolTipText("Create hall");
296 panel_4.setBorder(new TitledBorder(UIManager.getBorder(
297     "TitledBorder.border"), "S\u00F8g hal", TitledBorder.LEFT,
298     TitledBorder.TOP, null, new Color(0, 0, 0)));
299 panel_4.setBounds(20, 188, 203, 101);
300 contentPane.add(panel_4);
301
302 textField_5 = new JTextField();
303 textField_5.setColumns(10);
304 textField_5.setBounds(10, 35, 183, 20);
305 panel_4.add(textField_5);
306
307 JButton btnSg_2 = new JButton("S\u00F8g");
308 btnSg_2.setBounds(104, 66, 89, 23);
309 panel_4.add(btnSg_2);
310
311 JLabel label = new JLabel("Hal nr:");
312 label.setBounds(10, 22, 46, 14);
313 panel_4.add(label);
314
315 JPanel panel_5 = new JPanel();
316 panel_5.setLayout(null);
317 panel_5.setToolTipText("Create hall");
318 panel_5.setBorder(new TitledBorder(UIManager.getBorder(
319     "TitledBorder.border"), "S\u00F8g fag", TitledBorder.LEFT,
320     TitledBorder.TOP, null, new Color(0, 0, 0)));

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321     panel_5.setBounds(233, 188, 203, 101);
322     contentPane.add(panel_5);
323
324     textField_6 = new JTextField();
325     textField_6.setColumns(10);
326     textField_6.setBounds(10, 35, 183, 20);
327     panel_5.add(textField_6);
328
329     JButton btnSg_3 = new JButton("S\u00F8g");
330     btnSg_3.setBounds(104, 66, 89, 23);
331     panel_5.add(btnSg_3);
332
333     JLabel label_1 = new JLabel("Hal nr:");
334     label_1.setBounds(10, 22, 46, 14);
335     panel_5.add(label_1);
336
337     JPanel panel_6 = new JPanel();
338     panel_6.setLayout(null);
339     panel_6.setToolTipText("Create hall");
340     panel_6.setBorder(new TitledBorder(UIManager.getBorder(
341         "TitledBorder.border"), "S\u00F8g bur", TitledBorder.LEFT,
342         TitledBorder.TOP, null, new Color(0, 0, 0)));
343     panel_6.setBounds(446, 227, 203, 101);
344     contentPane.add(panel_6);
345
346     textField_7 = new JTextField();
347     textField_7.setColumns(10);
348     textField_7.setBounds(10, 35, 183, 20);
349     panel_6.add(textField_7);
350
351     JButton btnSg_4 = new JButton("S\u00F8g");
352     btnSg_4.addActionListener(new ActionListener() {
353         public void actionPerformed(ActionEvent e)
354         {
355             findCage();
356         }
357     });
358     btnSg_4.setBounds(104, 66, 89, 23);
359     panel_6.add(btnSg_4);
360
361     JLabel label_3 = new JLabel("Hal nr:");
362     label_3.setBounds(10, 22, 46, 14);
363     panel_6.add(label_3);
364
365     table_1 = new JTable();
366     table_1.setBounds(20, 305, 203, 233);
367     contentPane.add(table_1);
368
369     JLabel lblNewLabel = new JLabel("New label");
370     lblNewLabel.setBounds(233, 305, 393, 14);
371     contentPane.add(lblNewLabel);
372 }
373
374 public void createCage()
375 {
376     CTCage ctr = new CTCage();
377     int nr = Integer.parseInt(textField_3.getText());
378     int column = Integer.parseInt(textField_4.getText());
379     String cageType = textField_8.getText();
380     try
381     {
382         ctr.createCage(nr, column, cageType);
383         textField_3.setText("");
384         textField_4.setText("");

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385         textField_8.setText("");
386     }
387     catch(Exception e)
388     {
389         System.out.println("ERROR!!!");
390     }
391
392
393 }
394
395 public void createMink()
396 {
397     CTRMink ctr = new CTRMink();
398
399     String color = txtColor.getText();
400     int fur = Integer.parseInt(txtFur.getText());
401     int density = Integer.parseInt(txtDensity.getText());
402     String date = txtDate.getText();
403     String quality = txtQuality.getText();
404     int cage = Integer.parseInt(txtCageMink.getText());
405
406     try
407     {
408         ctr.createMink(color, fur, density, date, quality, cage);
409     }
410     catch(Exception e)
411     {
412         System.out.println("FEJL!!!!");
413     }
414
415
416 }
417
418 public void createColumn()
419 {
420     CTRColumn ctr = new CTRColumn();
421     int col = Integer.parseInt(textField_1.getText());
422     int hal = Integer.parseInt(textField_2.getText());
423     try
424     {
425         ctr.createColumn(col, hal);
426     }
427     catch(Exception e)
428     {
429         System.out.println("ERROR!!!");
430     }
431
432 }
433 // private void findCageTest()
434 // {
435 //     try
436 //     {
437 //         Cage cagObj = cagCTR.findCage(Integer.parseInt(
438 textField_7.getText()));
439 //         textField_3.setText(Integer.parseInt(cag.getCageNo()));
440 //
441 //
442 //     }
443 //     catch(Exception e)
444 //     {
445 //         System.out.println("FEJL!!!!");
446 //     }
447 // }
448

```

```

449
450
451 private void findCage()
452 {
453     int nr = Integer.parseInt(textField_5.getText());
454     CTCage ctr = new CTCage();
455     Cage cagobj = ctr.findCage(nr);
456     if(cagobj != null)
457     {
458         putValueOnScreen(cagobj);
459     }
460     else
461     {
462         System.out.println("FEJL");
463     }
464 }
465
466 public void addHall()
467 {
468     CTRHall ctr = new CTRHall();
469     int hallnr = Integer.parseInt(textField.getText());
470     int cvr = Integer.parseInt(textField_9.getText());
471     try
472     {
473         ctr.insertHall(hallnr, cvr);
474     }
475     catch(Exception e)
476     {
477         System.out.println("ERROR!!");
478     }
479 }
480 public void putValueOnScreen(Cage cagobj)
481 {
482     ArrayList<Mink> minkList = cagobj.getMyMink();
483     System.out.println(minkList.size());
484     BurData burobj = new BurData();
485     burobj.setData(minkList);
486     table_1.setModel(burobj);
487     lblNewLabel.setText(String.valueOf(cagobj.getCageNo()));
488     this.setVisible(true);
489 }
490 public void findCage(java.awt.event.ActionEvent evt)
491 {
492     try
493     {
494         CTCage ctr = new CTCage();
495         int findCage = Integer.parseInt(textField_7.getText());
496         ArrayList<Cage> cagobj = ctr.find(findCage);
497         System.out.println("VIRKER");
498     }
499     catch(Exception e)
500     {
501         System.out.println("ERROR!!");
502     }
503 }
504 }

```