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1 package view;
2
3 import java.awt.Color;
4
5
6 /**
7  * Class SearchResultInterface to construct interface to display search results.
8  * @author Daria Vekic (Student ID: 586661)
9  *
10 */
11 public class SearchResultInterface extends JFrame {
12
13     private static final long serialVersionUID = 1L;
14     //Instance fields
15     private JPanel contentPane;
16     private JLabel caseRefDataLbl = new JLabel();
17     private JLabel caseTitleDataLbl = new JLabel();
18     private JLabel caseTypeDataLbl = new JLabel();
19     private JLabel solNameDataLbl = new JLabel();
20     private JLabel caseDescDataLbl = new JLabel();
21     private JLabel clientNameDataLbl = new JLabel();
22     private JLabel clientPhoneDataLbl = new JLabel();
23     private JLabel clientAddressDataLbl = new JLabel();
24     private static JTextArea displayJTextArea;
25
26     private CommonElements commonElements = new CommonElements();
27     private SearchCasesController searchController = new SearchCasesController();
28
29     /**
30      * Constructor method to create SearchResultInterface object.
31      * Used to display details of all Cases in the List.
32      * @param employees the List of Employees
33      * @param clients the List of Clients
34      * @param cases the List of Cases
35      */
36     public SearchResultInterface(ArrayList<Employee> employees, ArrayList<Client> clients, ArrayList<Case> cases) {
37         showAllCasesGui(employees, clients, cases);
38         searchController.viewAllCases(displayJTextArea, clients);
39     } //end constructor method
40
41     /**
42      * Constructor method to create SearchResultInterface object.
43      * Used to display details of a given Case.
44      * @param employees the List of Employees
45      * @param clients the List of Clients
46      * @param cases the List of Cases
47      * @param caseNum the reference number of the Case to be displayed
48      */
49     public SearchResultInterface(ArrayList<Employee> employees, ArrayList<Client> clients, ArrayList<Case> cases, String caseNum) {
50         constructSearchResultGui(employees, clients, cases);
51         searchController.listCase(clients, caseNum,
52             caseRefDataLbl, caseTitleDataLbl, caseTypeDataLbl,
53             solNameDataLbl, caseDescDataLbl, clientNameDataLbl,
54             clientPhoneDataLbl, clientAddressDataLbl);
55     } //end constructor method

```

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76
77
78 /**
79  * Method to create GUI that displays Case details user has searched for.
80  * @param employees the List of Employees
81  * @param clients the List of Clients
82  * @param cases the List of Cases
83  */
84 private void constructSearchResultGui(ArrayList<Employee> employees, ArrayList<Client> clients, ArrayList<Case> cases) {
85
86     setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);
87     setLocationRelativeTo(null);
88     setBounds(100, 100, 1100, 710);
89     contentPane = new JPanel();
90     contentPane.setBackground(Color.DARK_GRAY);
91     contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
92     setContentPane(contentPane);
93     contentPane.setLayout(null);
94
95     //add the navigation menu to the GUI
96     commonElements.constructNavMenu(contentPane, employees, clients, cases);
97
98     //Panel to place search results on
99     JPanel panel = new JPanel();
100    panel.setBackground(new Color(255, 255, 255));
101    panel.setBounds(233, 150, 653, 403);
102    contentPane.add(panel);
103    panel.setLayout(null);
104
105    JLabel actionsLbl = new JLabel("Actions:");
106    actionsLbl.setBounds(43, 21, 71, 29);
107    actionsLbl.setBackground(Color.LIGHT_GRAY);
108    actionsLbl.setFont(new Font("Tahoma", Font.BOLD, 14));
109    panel.add(actionsLbl);
110
111    JLabel clientAddressLbl = new JLabel("Client Address");
112    clientAddressLbl.setFont(new Font("Tahoma", Font.PLAIN, 12));
113    clientAddressLbl.setBackground(Color.LIGHT_GRAY);
114    clientAddressLbl.setBounds(38, 374, 84, 15);
115    panel.add(clientAddressLbl);
116
117    JLabel clientPhoneLbl = new JLabel("Client Phone Number");
118    clientPhoneLbl.setFont(new Font("Tahoma", Font.PLAIN, 12));
119    clientPhoneLbl.setBackground(Color.LIGHT_GRAY);
120    clientPhoneLbl.setBounds(22, 332, 122, 15);
121    panel.add(clientPhoneLbl);
122
123    JLabel clientNameLbl = new JLabel("Client Name");
124    clientNameLbl.setFont(new Font("Tahoma", Font.PLAIN, 12));
125    clientNameLbl.setBackground(Color.LIGHT_GRAY);
126    clientNameLbl.setBounds(43, 292, 71, 15);
127    panel.add(clientNameLbl);
128
129    JLabel descLbl = new JLabel("Case Description");
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130     descLbl.setFont(new Font("Tahoma", Font.PLAIN, 12));
131     descLbl.setBackground(Color.LIGHT_GRAY);
132     descLbl.setBounds(30, 252, 96, 15);
133     panel.add(descLbl);
134
135     JLabel solLbl = new JLabel("Solicitor");
136     solLbl.setFont(new Font("Tahoma", Font.PLAIN, 12));
137     solLbl.setBackground(Color.LIGHT_GRAY);
138     solLbl.setBounds(54, 212, 51, 15);
139     panel.add(solLbl);
140
141     JLabel caseTypeLbl = new JLabel("Case Type");
142     caseTypeLbl.setFont(new Font("Tahoma", Font.PLAIN, 12));
143     caseTypeLbl.setBackground(Color.LIGHT_GRAY);
144     caseTypeLbl.setBounds(43, 173, 62, 15);
145     panel.add(caseTypeLbl);
146
147     JLabel caseTitleLbl = new JLabel("Case Title");
148     caseTitleLbl.setFont(new Font("Tahoma", Font.PLAIN, 12));
149     caseTitleLbl.setBackground(Color.LIGHT_GRAY);
150     caseTitleLbl.setBounds(43, 131, 62, 15);
151     panel.add(caseTitleLbl);
152
153     JLabel caseRefLbl = new JLabel("Case Ref No.");
154     caseRefLbl.setFont(new Font("Tahoma", Font.PLAIN, 12));
155     caseRefLbl.setBackground(Color.LIGHT_GRAY);
156     caseRefLbl.setBounds(38, 83, 76, 15);
157     panel.add(caseRefLbl);
158
159     JSeparator separator = new JSeparator();
160     separator.setBackground(Color.GRAY);
161     separator.setOpaque(true);
162     separator.setForeground(Color.GRAY);
163     separator.setBounds(153, 0, 2, 403);
164     panel.add(separator);
165
166     JSeparator separator1 = new JSeparator();
167     separator1.setOpaque(true);
168     separator1.setForeground(Color.GRAY);
169     separator1.setBackground(Color.GRAY);
170     separator1.setBounds(0, 70, 653, 2);
171     panel.add(separator1);
172
173     JSeparator separator2 = new JSeparator();
174     separator2.setOpaque(true);
175     separator2.setForeground(Color.GRAY);
176     separator2.setBackground(Color.GRAY);
177     separator2.setBounds(0, 112, 653, 2);
178     panel.add(separator2);
179
180     JSeparator separator3 = new JSeparator();
181     separator3.setOpaque(true);
182     separator3.setForeground(Color.GRAY);
183     separator3.setBackground(Color.GRAY);
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184     separator3.setBounds(0, 157, 653, 2);
185     panel.add(separator3);
186
187     JSeparator separator4 = new JSeparator();
188     separator4.setOpaque(true);
189     separator4.setForeground(Color.GRAY);
190     separator4.setBackground(Color.GRAY);
191     separator4.setBounds(0, 199, 653, 2);
192     panel.add(separator4);
193
194     JSeparator separator5 = new JSeparator();
195     separator5.setOpaque(true);
196     separator5.setForeground(Color.GRAY);
197     separator5.setBackground(Color.GRAY);
198     separator5.setBounds(0, 239, 653, 2);
199     panel.add(separator5);
200
201     JSeparator separator6 = new JSeparator();
202     separator6.setOpaque(true);
203     separator6.setForeground(Color.GRAY);
204     separator6.setBackground(Color.GRAY);
205     separator6.setBounds(0, 279, 653, 2);
206     panel.add(separator6);
207
208     JSeparator separator7 = new JSeparator();
209     separator7.setOpaque(true);
210     separator7.setForeground(Color.GRAY);
211     separator7.setBackground(Color.GRAY);
212     separator7.setBounds(0, 319, 653, 2);
213     panel.add(separator7);
214
215     JSeparator separator8 = new JSeparator();
216     separator8.setOpaque(true);
217     separator8.setForeground(Color.GRAY);
218     separator8.setBackground(Color.GRAY);
219     separator8.setBounds(0, 361, 653, 2);
220     panel.add(separator8);
221
222     JLabel actionsBckgrdLbl = new JLabel("");
223     actionsBckgrdLbl.setOpaque(true);
224     actionsBckgrdLbl.setBackground(new Color(204, 204, 204));
225     actionsBckgrdLbl.setForeground(Color.BLACK);
226     actionsBckgrdLbl.setBounds(0, 0, 153, 72);
227     panel.add(actionsBckgrdLbl);
228
229     JLabel caseRefBckgrdLbl = new JLabel("");
230     caseRefBckgrdLbl.setOpaque(true);
231     caseRefBckgrdLbl.setBackground(new Color(204, 204, 204));
232     caseRefBckgrdLbl.setBounds(0, 70, 155, 42);
233     panel.add(caseRefBckgrdLbl);
234
235     JLabel caseTitleBckgrdLbl = new JLabel("");
236     caseTitleBckgrdLbl.setOpaque(true);
237     caseTitleBckgrdLbl.setBackground(new Color(204, 204, 204));
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238     caseTitleBckgrdLbl.setBounds(0, 114, 155, 45);
239     panel.add(caseTitleBckgrdLbl);
240
241     JLabel caseTypeBckgrdLbl = new JLabel("");
242     caseTypeBckgrdLbl.setOpaque(true);
243     caseTypeBckgrdLbl.setBackground(new Color(204, 204, 204));
244     caseTypeBckgrdLbl.setBounds(0, 157, 155, 42);
245     panel.add(caseTypeBckgrdLbl);
246
247     JLabel solBckgrdLbl = new JLabel("");
248     solBckgrdLbl.setOpaque(true);
249     solBckgrdLbl.setBackground(new Color(204, 204, 204));
250     solBckgrdLbl.setBounds(0, 199, 155, 42);
251     panel.add(solBckgrdLbl);
252
253     JLabel caseDescBckgrdLbl = new JLabel("");
254     caseDescBckgrdLbl.setOpaque(true);
255     caseDescBckgrdLbl.setBackground(new Color(204, 204, 204));
256     caseDescBckgrdLbl.setBounds(0, 239, 155, 42);
257     panel.add(caseDescBckgrdLbl);
258
259     JLabel clientNameBckgrdLbl = new JLabel("");
260     clientNameBckgrdLbl.setOpaque(true);
261     clientNameBckgrdLbl.setBackground(new Color(204, 204, 204));
262     clientNameBckgrdLbl.setBounds(0, 279, 155, 42);
263     panel.add(clientNameBckgrdLbl);
264
265     JLabel clientPhoneBckgrdLbl = new JLabel("");
266     clientPhoneBckgrdLbl.setOpaque(true);
267     clientPhoneBckgrdLbl.setBackground(new Color(204, 204, 204));
268     clientPhoneBckgrdLbl.setBounds(0, 320, 155, 42);
269     panel.add(clientPhoneBckgrdLbl);
270
271     JLabel clientAddressBckgrdLbl = new JLabel("");
272     clientAddressBckgrdLbl.setOpaque(true);
273     clientAddressBckgrdLbl.setBackground(new Color(204, 204, 204));
274     clientAddressBckgrdLbl.setBounds(0, 361, 155, 42);
275     panel.add(clientAddressBckgrdLbl);
276
277     JButton recordActivityBtn = new JButton("Record Billable Activity");
278     recordActivityBtn.setFont(new Font("Tahoma", Font.BOLD, 12));
279     recordActivityBtn.setBorder(null);
280     recordActivityBtn.setBackground(new Color(153, 204, 153));
281     recordActivityBtn.setBounds(185, 23, 172, 29);
282     recordActivityBtn.addActionListener(new ActionListener()
283     {
284         public void actionPerformed(ActionEvent event) {
285             recordActivityBtnActionPerformed(event);
286         } //end method actionPerformed
287     } //end method ActionListener
288 ); //end call to recordActivityBtnActionPerformed ActionListener
289     panel.add(recordActivityBtn);
290
291     JButton amendCaseDetailsBtn = new JButton("Amend Case Details");
```

```
292         amendCaseDetailsBtn.setFont(new Font("Tahoma", Font.BOLD, 12));
293         amendCaseDetailsBtn.setBorder(null);
294         amendCaseDetailsBtn.setBackground(new Color(153, 204, 153));
295         amendCaseDetailsBtn.setBounds(419, 22, 172, 29);
296         amendCaseDetailsBtn.addActionListener(new ActionListener()
297         {
298             public void actionPerformed(ActionEvent event) {
299                 amendCaseDetailsBtnActionPerformed(event);
300             } //end method actionPerformed
301         } //end method ActionListener
302     ); //end call to confirmCaseButtonActionPerformed ActionListener
303     panel.add(amendCaseDetailsBtn);
304
305     caseRefDataLbl.setBounds(185, 83, 153, 18);
306     panel.add(caseRefDataLbl);
307
308     caseTitleDataLbl.setBounds(185, 128, 327, 18);
309     panel.add(caseTitleDataLbl);
310
311     caseTypeDataLbl.setBounds(185, 170, 327, 18);
312     panel.add(caseTypeDataLbl);
313
314     solNameDataLbl.setBounds(185, 210, 327, 18);
315     panel.add(solNameDataLbl);
316
317     caseDescDataLbl.setBounds(185, 250, 439, 18);
318     panel.add(caseDescDataLbl);
319
320     clientNameDataLbl.setBounds(185, 292, 268, 18);
321     panel.add(clientNameDataLbl);
322
323     clientPhoneDataLbl.setBounds(185, 332, 268, 18);
324     panel.add(clientPhoneDataLbl);
325
326     clientAddressDataLbl.setBounds(185, 375, 425, 18);
327     panel.add(clientAddressDataLbl);
328
329     JButton deleteCaseBtn = new JButton("Delete Case");
330     deleteCaseBtn.setForeground(Color.WHITE);
331     deleteCaseBtn.setFont(new Font("Tahoma", Font.BOLD, 12));
332     deleteCaseBtn.setBorder(null);
333     deleteCaseBtn.setBackground(Color.RED);
334     deleteCaseBtn.setBounds(746, 590, 140, 29);
335     deleteCaseBtn.addActionListener(new ActionListener()
336     {
337         public void actionPerformed(ActionEvent event) {
338             deleteCaseButtonActionPerformed(event);
339         } //end method actionPerformed
340     } //end method ActionListener
341     ); //end call to confirmCaseButtonActionPerformed ActionListener
342     contentPane.add(deleteCaseBtn);
343 } //end method constructSearchResultGui
344
345 /**
```

```

346     * Method to create GUI that displays details of all Cases in the List.
347     * @param employees the List of Employees
348     * @param clients the List of Clients
349     * @param cases the List of Cases
350     */
351     private void showAllCasesGui(ArrayList<Employee> employees, ArrayList<Client> clients, ArrayList<Case> cases) {
352
353         setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);
354         setLocationRelativeTo(null);
355         setBounds(100, 100, 1100, 710);
356         contentPane = new JPanel();
357         contentPane.setBackground(Color.DARK_GRAY);
358         contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
359         setContentPane(contentPane);
360         contentPane.setLayout(null);
361
362         //add the navigation menu to the GUI
363         commonElements.constructNavMenu(contentPane, employees, clients, cases);
364
365         // set up displayJTextArea
366         displayJTextArea = new JTextArea();
367         displayJTextArea.setBackground(Color.WHITE);
368         JScrollPane scrollPane = new JScrollPane(displayJTextArea);
369         scrollPane.setBounds(300, 150, 600, 450);
370         scrollPane.setVerticalScrollBarPolicy(ScrollPaneConstants.VERTICAL_SCROLLBAR_ALWAYS);
371         contentPane.add(scrollPane);
372         displayJTextArea.setText("Caseload");
373         displayJTextArea.setForeground(Color.BLACK);
374
375     } //end method showAllCasesGui
376
377
378     /*-----ACTION LISTENERS-----*/
379
380
381     /**
382     * Routine to follow when "Amend Case Details" button is pressed.
383     * @param event the "Amend Case Details" button is pressed.
384     */
385     private void amendCaseDetailsBtnActionPerformed(ActionEvent event) {
386         JOptionPane.showMessageDialog(null, "You will be able to amend Case details here in later versions!", "Oops!",
JOptionPane.INFORMATION_MESSAGE);
387     } //end method amendCaseDetailsBtnActionPerformed
388
389     /**
390     * Routine to follow when "Delete Case" button is pressed.
391     * @param event the "Delete Case" button is pressed.
392     */
393     private void deleteCaseButtonActionPerformed(ActionEvent event) {
394         JOptionPane.showMessageDialog(null, "You will be able to delete a Case here in later versions!", "Oops!",
JOptionPane.INFORMATION_MESSAGE);
395     } //end method deleteCaseButtonActionPerformed
396
397     /**

```

```
398     * Routine to follow when "Record Billable Activity" button is pressed.
399     * @param event the "Record Billable Activity" button is pressed.
400     */
401     private void recordActivityBtnActionPerformed(ActionEvent event) {
402         JOptionPane.showMessageDialog(null, "You will be able to record billable activities here in later versions!", "Oops!",
JOptionPane.INFORMATION_MESSAGE);
403     } //end method recordActivityBtnActionPerformed
404 } //end class SearchResultInterface
```