

# GuiManager.java

```

1 package guiManager;
2
3 import java.awt.EventQueue;
4 import javax.swing.JFrame;
5 import java.awt.CardLayout;
6 import javax.swing.JPanel;
7 import javax.swing.JScrollPane;
8 import javax.swing.JButton;
9 import java.awt.event.ActionListener;
10 import java.io.File;
11 import java.awt.event.ActionEvent;
12 import javax.swing.JTextField;
13 import javax.swing.JLabel;
14 import javax.swing.JOptionPane;
15 import javax.swing.JCheckBox;
16 import javax.swing.JTextPane;
17 import accountsManager.TaxpayerAccountsManager;
18 import taxpayer.Taxpayer;
19
20 public class GuiManager {
21     private JScrollPane scrollPane;
22     private JFrame frame;
23     private JTextField textFieldInputFilePath;
24     private JTextField textFieldTaxpayerAfm;
25     private JPanel panelSetOutputFilePath;
26     private JPanel panelShowMainMenu;
27     private JPanel panelLoadTaxpayer;
28     private JPanel panelChooseTaxpayer;
29     private JPanel panelChosenTaxpayerMenu;
30     private JPanel panelDeleteTaxpayer;
31     private JPanel panelAddReceipt;
32     private JPanel panelShowReport;
33     private JPanel panelDeleteReceipt;
34     private JPanel panelSaveTaxpayer;
35     private String inputFilePath;
36     private String outputFilePath;
37     private Taxpayer chosenTaxpayer;
38     private TaxpayerAccountsManager accountsManager =
39         new TaxpayerAccountsManager();
40     private JTextField textFieldReceiptForDelete;
41     private JTextField textFieldKind;
42     private JTextField textFieldID;
43     private JTextField textFieldDate;
44     private JTextField textFieldAmount;
45     private JTextField textFieldCompany;
46     private JTextField textFieldCountry;
47     private JTextField textFieldCity;
48     private JTextField textFieldStreet;
49     private JTextField textFieldNumber;
50     private String category;
51     private int receiptCode;
52     private String dateOfIssue;
53     private int amountPaid;
54     private String companyName;
55     private String country;
56     private String city;
57     private String street;
58     private int streetNumber;
59     private JTextField textFieldDeleteTaxpayer;
60     private JTextField textFieldOutputFilePath;
61
62     public static void main(String[] args) {

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GuiManager.java

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63     EventQueue.invokeLater(new Runnable() {
64         public void run() {
65             try {
66                 GuiManager window = new GuiManager();
67                 window.frame.setVisible(true);
68             } catch (Exception e) {
69                 e.printStackTrace();
70             }
71         }
72     });
73 }
74
75 public GuiManager() {
76     initialize();
77 }
78
79 private void initialize() {
80     frame = new JFrame();
81     frame.setBounds(100, 100, 450, 300);
82     frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
83     deleteTaxpayer();
84     loadTaxpayer();
85     showTaxpayerInfo();
86     chooseTaxpayer();
87     chosenTaxpayerMenu();
88     addReceipt();
89     deleteReceipt();
90     saveTaxpayer();
91     showMainMenu();
92     showReport();
93     setOutputFile();
94 }
95
96 private void setOutputFile(){
97     panelSetOutputFilePath = new JPanel();
98     frame.getContentPane().add(panelSetOutputFilePath,
99         "name_1030804165165594");
100    panelSetOutputFilePath.setLayout(null);
101    panelSetOutputFilePath.setVisible(true);
102
103    textFieldOutputFilePath = new JTextField();
104    textFieldOutputFilePath.setBounds(39, 59, 350, 68);
105    panelSetOutputFilePath.add(textFieldOutputFilePath);
106    textFieldOutputFilePath.setColumns(10);
107
108    JButton btnChooseFileFromSetOutputPathPanel =
109        new JButton("CHOOSE FILE");
110    btnChooseFileFromSetOutputPathPanel.addActionListener(
111        new ActionListener() {
112            public void actionPerformed(ActionEvent arg0) {
113                outputPath = textFieldOutputFilePath.getText();
114                createDirectoryIfNeeded(outputPath);
115                accountsManager.setDomain(outputPath);
116                panelShowMainMenu.setVisible(true);
117                panelSetOutputFilePath.setVisible(false);
118            }
119        });
120    btnChooseFileFromSetOutputPathPanel.setBounds(139, 167, 145,
121        45);
122    panelSetOutputFilePath.add(
123        btnChooseFileFromSetOutputPathPanel);
124

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125     JLabel lblNewLabel_11 =
126         new JLabel("Enter output file's path");
127     lblNewLabel_11.setBounds(154, 34, 116, 14);
128     panelSetOutputFilePath.add(lblNewLabel_11);
129 }
130
131 private void createDirectoryIfNeeded(String directoryName){
132     File theDirectory = new File(directoryName);
133     if (!theDirectory.exists() || !theDirectory.isDirectory())
134     {
135         JOptionPane.showMessageDialog(null,
136             "Can't locate directory's path");
137         System.exit(-1);
138     }
139 }
140
141 private void showReport(){
142     panelShowReport = new JPanel();
143     frame.getContentPane().add(panelShowReport,
144         "name_981382272378719");
145     panelShowReport.setLayout(null);
146     panelShowReport.setVisible(false);
147
148     JCheckBox chckbxPieChart = new JCheckBox("pie chart");
149     chckbxPieChart.setBounds(155, 47, 97, 23);
150     panelShowReport.add(chckbxPieChart);
151     chckbxPieChart.setSelected(true);
152
153     JCheckBox chckbxBarChart = new JCheckBox("bar chart");
154     chckbxBarChart.setBounds(155, 91, 97, 23);
155     panelShowReport.add(chckbxBarChart);
156     chckbxBarChart.setSelected(true);
157
158     JButton btnShowChart = new JButton("SHOW CHART");
159     btnShowChart.addActionListener(new ActionListener() {
160         public void actionPerformed(ActionEvent e) {
161             if(chckbxPieChart.isSelected()){
162                 accountsManager.createPieChart(chosenTaxpayer);
163             }
164             if(chckbxBarChart.isSelected()){
165                 accountsManager.createBarChart(chosenTaxpayer);
166             }
167             panelChosenTaxpayerMenu.setVisible(true);
168             panelShowReport.setVisible(false);
169         }
170     });
171     btnShowChart.setBounds(135, 156, 138, 23);
172     panelShowReport.add(btnShowChart);
173
174     JLabel lblChoose = new JLabel("Choose chart type");
175     lblChoose.setBounds(155, 11, 97, 14);
176     panelShowReport.add(lblChoose);
177 }
178
179 private void showTaxpayerInfo(){
180     scrollPane = new JScrollPane();
181     frame.getContentPane().add(scrollPane,
182         "name_730639875189510");
183     scrollPane.setVisible(false);
184
185     JTextPane textPane = new JTextPane();

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187     scrollPane.setViewportView(textPane);
188
189     JButton btnNewButton = new JButton("OK");
190     scrollPane.setRowHeaderView(btnNewButton);
191     btnNewButton.addActionListener(new ActionListener() {
192         public void actionPerformed(ActionEvent e) {
193             panelChosenTaxpayerMenu.setVisible(true);
194             scrollPane.setVisible(false);
195         }
196     });
197
198     JButton btnNewButton_1 = new JButton("SHOW TAXPAYER'S INFO");
199     scrollPane.setColumnHeaderView(btnNewButton_1);
200     btnNewButton_1.addActionListener(new ActionListener() {
201         public void actionPerformed(ActionEvent e) {
202             textPane.setText(
203                 chosenTaxpayer.getTaxpayerInformationString()
204             );
205         }
206     });
207 }
208
209
210 private void showMainMenu(){
211     panelShowMainMenu = new JPanel();
212     frame.getContentPane().add(panelShowMainMenu,
213         "name_723228577274520");
214     panelShowMainMenu.setLayout(null);
215     panelShowMainMenu.setVisible(false);
216
217     JLabel lblMainMenu = new JLabel("Main Menu");
218     lblMainMenu.setBounds(188, 11, 64, 14);
219     panelShowMainMenu.add(lblMainMenu);
220
221     JButton btnDeleteTaxpayer = new JButton("DELETE TAXPAYER");
222     btnDeleteTaxpayer.addActionListener(new ActionListener() {
223         public void actionPerformed(ActionEvent e) {
224             panelDeleteTaxpayer.setVisible(true);
225             panelShowMainMenu.setVisible(false);
226         }
227     });
228     btnDeleteTaxpayer.setBounds(122, 190, 184, 48);
229     panelShowMainMenu.add(btnDeleteTaxpayer);
230
231     JButton btnChooseTaxpayer = new JButton("CHOOSE TAXPAYER");
232     btnChooseTaxpayer.addActionListener(new ActionListener() {
233         public void actionPerformed(ActionEvent e) {
234             panelChooseTaxpayer.setVisible(true);
235             panelShowMainMenu.setVisible(false);
236         }
237     });
238
239     JButton btnLoadTaxpayer = new JButton("LOAD TAXPAYER");
240     btnLoadTaxpayer.addActionListener(new ActionListener() {
241         public void actionPerformed(ActionEvent e) {
242             panelLoadTaxpayer.setVisible(true);
243             panelShowMainMenu.setVisible(false);
244         }
245     });
246     btnLoadTaxpayer.setBounds(122, 44, 184, 48);
247     panelShowMainMenu.add(btnLoadTaxpayer);
248     btnChooseTaxpayer.setBounds(122, 118, 184, 48);

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249     panelShowMainMenu.add(btnChooseTaxpayer);
250 }
251
252 private void loadTaxpayer(){
253     panelLoadTaxpayer = new JPanel();
254     frame.getContentPane().add(panelLoadTaxpayer,
255         "name_723228625387284");
256     panelLoadTaxpayer.setLayout(null);
257     panelLoadTaxpayer.setVisible(false);
258
259     textFieldInputFilePath = new JTextField();
260     textFieldInputFilePath.setBounds(27, 61, 379, 56);
261     panelLoadTaxpayer.add(textFieldInputFilePath);
262     textFieldInputFilePath.setColumns(10);
263
264     JLabel lblEnterTaxpayeData = new JLabel(
265         "Enter taxpaye's data file's path");
266     lblEnterTaxpayeData.setBounds(130, 11, 158, 39);
267     panelLoadTaxpayer.add(lblEnterTaxpayeData);
268
269     JButton btnLoad = new JButton("LOAD");
270     btnLoad.addActionListener(new ActionListener() {
271         public void actionPerformed(ActionEvent e) {
272             inputFilePath = textFieldInputFilePath.getText();
273             accountsManager.insertTaxpayerFromFile(inputFilePath);
274             panelShowMainMenu.setVisible(true);
275             panelLoadTaxpayer.setVisible(false);
276         }
277     });
278     btnLoad.setBounds(27, 151, 163, 56);
279     panelLoadTaxpayer.add(btnLoad);
280
281     JButton btnExit = new JButton("EXIT");
282     btnExit.addActionListener(new ActionListener() {
283         public void actionPerformed(ActionEvent e) {
284             panelShowMainMenu.setVisible(true);
285             panelLoadTaxpayer.setVisible(false);
286         }
287     });
288     btnExit.setBounds(253, 151, 153, 56);
289     panelLoadTaxpayer.add(btnExit);
290 }
291
292 private void saveTaxpayer(){
293     panelSaveTaxpayer = new JPanel();
294     frame.getContentPane().add(panelSaveTaxpayer,
295         "name_723228821548180");
296     panelSaveTaxpayer.setLayout(null);
297     panelSaveTaxpayer.setVisible(false);
298
299     JCheckBox chckbxTxt = new JCheckBox("TXT");
300     chckbxTxt.setBounds(163, 50, 97, 23);
301     panelSaveTaxpayer.add(chckbxTxt);
302     chckbxTxt.setSelected(true);
303
304     JCheckBox chckbxXml = new JCheckBox("XML");
305     chckbxXml.setBounds(163, 97, 97, 23);
306     panelSaveTaxpayer.add(chckbxXml);
307     chckbxXml.setSelected(true);
308
309     JButton btnSaveFromSaveTaxpayer = new JButton("SAVE");
310     btnSaveFromSaveTaxpayer.addActionListener(

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311         new ActionListener() {
312             public void actionPerformed(ActionEvent arg0) {
313                 if(chckbxBtx.isSelected()){
314                     accountsManager.createLogTextFile(chosenTaxpayer);
315                 }
316                 if(chckbxBtx.isSelected()){
317                     accountsManager.createLogXmlFile(chosenTaxpayer);
318                 }
319                 panelChosenTaxpayerMenu.setVisible(true);
320                 panelSaveTaxpayer.setVisible(false);
321             }
322         });
323         btnSaveFromSaveTaxpayer.setBounds(147, 149, 127, 48);
324         panelSaveTaxpayer.add(btnSaveFromSaveTaxpayer);
325
326         JButton btnExitFromSaveTaxpayerPanel = new JButton("EXIT");
327         btnExitFromSaveTaxpayerPanel.addActionListener(
328             new ActionListener() {
329                 public void actionPerformed(ActionEvent e) {
330                     panelChosenTaxpayerMenu.setVisible(true);
331                     panelSaveTaxpayer.setVisible(false);
332                 }
333             });
334         btnExitFromSaveTaxpayerPanel.setBounds(341, 211, 83, 39);
335         panelSaveTaxpayer.add(btnExitFromSaveTaxpayerPanel);
336
337         JLabel lblChooseFileType = new JLabel("Choose file type");
338         lblChooseFileType.setBounds(162, 11, 127, 14);
339         panelSaveTaxpayer.add(lblChooseFileType);
340     }
341
342     private void deleteReceipt(){
343         panelDeleteReceipt = new JPanel();
344         frame.getContentPane().add(panelDeleteReceipt,
345             "name_723228783398802");
346         panelDeleteReceipt.setLayout(null);
347         panelDeleteReceipt.setVisible(false);
348
349         JLabel lblNewLabel_1 = new JLabel(
350             "Enter receipt's ID for deletion");
351         lblNewLabel_1.setBounds(133, 19, 205, 14);
352         panelDeleteReceipt.add(lblNewLabel_1);
353
354         textFieldReceiptForDelete = new JTextField();
355         textFieldReceiptForDelete.setBounds(50, 44, 329, 62);
356         panelDeleteReceipt.add(textFieldReceiptForDelete);
357         textFieldReceiptForDelete.setColumns(10);
358
359         JButton btnDeleteReceiptFromDeleteReceiptPanel =
360             new JButton("DELETE RECEIPT");
361         btnDeleteReceiptFromDeleteReceiptPanel.addActionListener(
362             new ActionListener() {
363                 public void actionPerformed(ActionEvent e) {
364                     receiptCode = Integer.parseInt(
365                         textFieldReceiptForDelete.getText());
366                     accountsManager.deleteReceiptFromTaxpayer(
367                         chosenTaxpayer, receiptCode);
368                     accountsManager.updateInfoFiles(chosenTaxpayer);
369                     panelChosenTaxpayerMenu.setVisible(true);
370                     panelDeleteReceipt.setVisible(false);
371                 }
372             });

```

```

373 btnDeleteReceiptFromDeleteReceiptPanel.setBounds(50, 163, 148,
374 62);
375 panelDeleteReceipt.add(
376 btnDeleteReceiptFromDeleteReceiptPanel);
377
378 JButton btnExitFromDeleteReceiptPanel = new JButton("EXIT");
379 btnExitFromDeleteReceiptPanel.addActionListener(
380 new ActionListener() {
381     public void actionPerformed(ActionEvent e) {
382         panelChosenTaxpayerMenu.setVisible(true);
383         panelDeleteReceipt.setVisible(false);
384     }
385 });
386 btnExitFromDeleteReceiptPanel.setBounds(231, 163, 148, 62);
387 panelDeleteReceipt.add(btnExitFromDeleteReceiptPanel);
388 }
389
390 private void chosenTaxpayerMenu(){
391     panelChosenTaxpayerMenu = new JPanel();
392     frame.getContentPane().add(panelChosenTaxpayerMenu,
393 "name_723228713281209");
394     panelChosenTaxpayerMenu.setLayout(null);
395     panelChosenTaxpayerMenu.setVisible(false);
396
397     JButton btnAddNewReceipt = new JButton("ADD NEW RECEIPT");
398     btnAddNewReceipt.addActionListener(new ActionListener() {
399         public void actionPerformed(ActionEvent e) {
400             panelAddReceipt.setVisible(true);
401             panelChosenTaxpayerMenu.setVisible(false);
402         }
403     });
404     btnAddNewReceipt.setBounds(96, 11, 229, 33);
405     panelChosenTaxpayerMenu.add(btnAddNewReceipt);
406
407     JButton btnDeleteReceipt = new JButton("DELETE RECEIPT");
408     btnDeleteReceipt.addActionListener(new ActionListener() {
409         public void actionPerformed(ActionEvent e) {
410             panelDeleteReceipt.setVisible(true);
411             panelChosenTaxpayerMenu.setVisible(false);
412         }
413     });
414     btnDeleteReceipt.setBounds(96, 140, 229, 33);
415     panelChosenTaxpayerMenu.add(btnDeleteReceipt);
416
417     JButton btnShowReport = new JButton("SHOW REPORT");
418     btnShowReport.addActionListener(new ActionListener() {
419         public void actionPerformed(ActionEvent e) {
420             panelShowReport.setVisible(true);
421             panelChosenTaxpayerMenu.setVisible(false);
422         }
423     });
424     btnShowReport.setBounds(96, 52, 229, 33);
425     panelChosenTaxpayerMenu.add(btnShowReport);
426
427     JButton btnDeleteCurrentTaxpayer =
428         new JButton("DELETE CURRENT TAXPAYER");
429     btnDeleteCurrentTaxpayer.addActionListener(
430         new ActionListener() {
431             public void actionPerformed(ActionEvent e) {
432                 accountsManager.deleteTaxpayer(chosenTaxpayer);
433                 JOptionPane.showMessageDialog(null,
434                     "Current taxpayer successfully deleted");

```



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435         panelShowMainMenu.setVisible(true);
436         panelChosenTaxpayerMenu.setVisible(false);
437     }
438 });
439 btnDeleteCurrentTaxpayer.setBounds(96, 96, 229, 33);
440 panelChosenTaxpayerMenu.add(btnDeleteCurrentTaxpayer);
441
442 JButton btnExitFromChosenTaxpayerMenu = new JButton("EXIT");
443 btnExitFromChosenTaxpayerMenu.addActionListener(
444     new ActionListener() {
445         public void actionPerformed(ActionEvent e) {
446             panelShowMainMenu.setVisible(true);
447             panelChosenTaxpayerMenu.setVisible(false);
448         }
449     });
450 btnExitFromChosenTaxpayerMenu.setBounds(169, 228, 86, 22);
451 panelChosenTaxpayerMenu.add(btnExitFromChosenTaxpayerMenu);
452
453 JButton btnSaveTaxpayer = new JButton("SAVE TAXPAYER");
454 btnSaveTaxpayer.addActionListener(new ActionListener() {
455     public void actionPerformed(ActionEvent e) {
456         panelSaveTaxpayer.setVisible(true);
457         panelChosenTaxpayerMenu.setVisible(false);
458     }
459 });
460 btnSaveTaxpayer.setBounds(96, 184, 229, 33);
461 panelChosenTaxpayerMenu.add(btnSaveTaxpayer);
462 }
463
464 private void addReceipt(){
465     panelAddReceipt = new JPanel();
466     frame.getContentPane().add(panelAddReceipt,
467         "name_723228748503867");
468     panelAddReceipt.setLayout(null);
469     panelAddReceipt.setVisible(false);
470
471     textFieldKind = new JTextField();
472     textFieldKind.setBounds(140, 34, 86, 20);
473     panelAddReceipt.add(textFieldKind);
474     textFieldKind.setColumns(10);
475
476     textFieldID = new JTextField();
477     textFieldID.setBounds(140, 83, 86, 20);
478     panelAddReceipt.add(textFieldID);
479     textFieldID.setColumns(10);
480
481     textFieldDate = new JTextField();
482     textFieldDate.setBounds(140, 131, 86, 20);
483     panelAddReceipt.add(textFieldDate);
484     textFieldDate.setColumns(10);
485
486     textFieldAmount = new JTextField();
487     textFieldAmount.setBounds(140, 178, 86, 20);
488     panelAddReceipt.add(textFieldAmount);
489     textFieldAmount.setColumns(10);
490
491     textFieldCompany = new JTextField();
492     textFieldCompany.setBounds(338, 34, 86, 20);
493     panelAddReceipt.add(textFieldCompany);
494     textFieldCompany.setColumns(10);
495
496     textFieldCountry = new JTextField();

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497     textFieldCountry.setBounds(338, 83, 86, 20);
498     panelAddReceipt.add(textFieldCountry);
499     textFieldCountry.setColumns(10);
500
501     textFieldCity = new JTextField();
502     textFieldCity.setBounds(338, 131, 86, 20);
503     panelAddReceipt.add(textFieldCity);
504     textFieldCity.setColumns(10);
505
506     textFieldStreet = new JTextField();
507     textFieldStreet.setBounds(338, 178, 86, 20);
508     panelAddReceipt.add(textFieldStreet);
509     textFieldStreet.setColumns(10);
510
511     textFieldNumber = new JTextField();
512     textFieldNumber.setBounds(338, 230, 86, 20);
513     panelAddReceipt.add(textFieldNumber);
514     textFieldNumber.setColumns(10);
515
516     JLabel lblNewLabel_3 = new JLabel("Date");
517     lblNewLabel_3.setBounds(22, 137, 95, 14);
518     panelAddReceipt.add(lblNewLabel_3);
519
520     JLabel lblNewLabel = new JLabel("ID");
521     lblNewLabel.setBounds(22, 89, 95, 14);
522     panelAddReceipt.add(lblNewLabel);
523
524     JLabel lblNewLabel_2 = new JLabel("Kind");
525     lblNewLabel_2.setBounds(22, 40, 95, 14);
526     panelAddReceipt.add(lblNewLabel_2);
527
528     JLabel lblNewLabel_4 = new JLabel("Company");
529     lblNewLabel_4.setBounds(236, 40, 92, 14);
530     panelAddReceipt.add(lblNewLabel_4);
531
532     JLabel lblNewLabel_5 = new JLabel("Country");
533     lblNewLabel_5.setBounds(236, 89, 92, 14);
534     panelAddReceipt.add(lblNewLabel_5);
535
536     JLabel lblNewLabel_6 = new JLabel("City");
537     lblNewLabel_6.setBounds(236, 137, 92, 14);
538     panelAddReceipt.add(lblNewLabel_6);
539
540     JLabel lblNewLabel_7 = new JLabel("Street");
541     lblNewLabel_7.setBounds(236, 184, 92, 14);
542     panelAddReceipt.add(lblNewLabel_7);
543
544     JLabel lblNewLabel_8 = new JLabel("Street's number");
545     lblNewLabel_8.setBounds(236, 236, 92, 14);
546     panelAddReceipt.add(lblNewLabel_8);
547
548     JLabel lblNewLabel_9 = new JLabel("Amount");
549     lblNewLabel_9.setBounds(22, 184, 95, 14);
550     panelAddReceipt.add(lblNewLabel_9);
551
552     JButton btnAddReceiptFromAddReceiptPanel =
553         new JButton("ADD RECEIPT");
554     btnAddReceiptFromAddReceiptPanel.addActionListener(
555         new ActionListener() {
556             public void actionPerformed(ActionEvent e) {
557                 category = textFieldKind.getText();
558                 receiptCode = Integer.parseInt(textFieldID.getText());

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559         dateOfIssue = textFieldDate.getText();
560         amountPaid = Integer.parseInt(
561             textFieldAmount.getText());
562         companyName = textFieldCompany.getText();
563         country = textFieldCountry.getText();
564         city = textFieldCity.getText();
565         street = textFieldStreet.getText();
566         streetNumber = Integer.parseInt(
567             textFieldNumber.getText());
568         accountsManager.insertNewReceiptForTaxpayer(
569             chosenTaxpayer, category, receiptCode,
570             dateOfIssue, amountPaid, companyName, country,
571             city, street, streetNumber);
572         accountsManager.updateInfoFiles(chosenTaxpayer);
573         panelChosenTaxpayerMenu.setVisible(true);
574         panelAddReceipt.setVisible(false);
575     }
576 });
577 btnAddReceiptFromAddReceiptPanel.setBounds(10, 229, 117, 23);
578 panelAddReceipt.add(btnAddReceiptFromAddReceiptPanel);
579
580 JButton btnExitFromAddReceiptPanel = new JButton("EXIT");
581 btnExitFromAddReceiptPanel.addActionListener(
582     new ActionListener() {
583         public void actionPerformed(ActionEvent arg0) {
584             panelChosenTaxpayerMenu.setVisible(true);
585             panelAddReceipt.setVisible(false);
586         }
587     });
588 btnExitFromAddReceiptPanel.setBounds(137, 229, 89, 23);
589 panelAddReceipt.add(btnExitFromAddReceiptPanel);
590 }
591
592 private void chooseTaxpayer(){
593     panelChooseTaxpayer = new JPanel();
594     frame.getContentPane().add(panelChooseTaxpayer,
595         "name_723228670069488");
596     panelChooseTaxpayer.setLayout(null);
597     panelChooseTaxpayer.setVisible(false);
598
599     textFieldTaxpayerAfm = new JTextField();
600     textFieldTaxpayerAfm.setBounds(33, 40, 365, 57);
601     panelChooseTaxpayer.add(textFieldTaxpayerAfm);
602     textFieldTaxpayerAfm.setColumns(10);
603
604     JLabel lblEnterTaxpayersAfm = new JLabel(
605         "Enter taxpayer's AFM");
606     lblEnterTaxpayersAfm.setBounds(164, 11, 145, 18);
607     panelChooseTaxpayer.add(lblEnterTaxpayersAfm);
608
609     JButton btnGetTaxpayer = new JButton("GET TAXPAYER");
610     btnGetTaxpayer.addActionListener(new ActionListener() {
611         public void actionPerformed(ActionEvent e) {
612             chosenTaxpayer = accountsManager.getTaxpayer(
613                 Integer.parseInt(
614                     textFieldTaxpayerAfm.getText()));
615             if (chosenTaxpayer == null){
616                 JOptionPane.showMessageDialog(null,
617                     "Can't find such taxpayer!");
618             }else{
619                 scrollPane.setVisible(true);
620                 panelChooseTaxpayer.setVisible(false);

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621     }
622 }
623 });
624 btnGetTaxpayer.setBounds(33, 163, 151, 57);
625 panelChooseTaxpayer.add(btnGetTaxpayer);
626
627 JButton btnExitChooseTaxpayer = new JButton("EXIT");
628 btnExitChooseTaxpayer.addActionListener(new ActionListener() {
629     public void actionPerformed(ActionEvent e) {
630         panelShowMainMenu.setVisible(true);
631         panelChooseTaxpayer.setVisible(false);
632     }
633 });
634 btnExitChooseTaxpayer.setBounds(265, 163, 133, 57);
635 panelChooseTaxpayer.add(btnExitChooseTaxpayer);
636 }
637
638 private void deleteTaxpayer(){
639     frame.getContentPane().setLayout(new CardLayout(0, 0));
640     panelDeleteTaxpayer = new JPanel();
641     frame.getContentPane().add(panelDeleteTaxpayer,
642         "name_723228522571934");
643     panelDeleteTaxpayer.setLayout(null);
644     panelDeleteTaxpayer.setVisible(false);
645
646     textFieldDeleteTaxpayer = new JTextField();
647     textFieldDeleteTaxpayer.setBounds(31, 51, 368, 55);
648     panelDeleteTaxpayer.add(textFieldDeleteTaxpayer);
649     textFieldDeleteTaxpayer.setColumns(10);
650
651     JButton btnDeleteTaxpayerFromDeleteTaxpayer =
652         new JButton("DELETE TAXPAYER");
653     btnDeleteTaxpayerFromDeleteTaxpayer.addActionListener(
654         new ActionListener() {
655             public void actionPerformed(ActionEvent e) {
656                 receiptCode = Integer.parseInt(
657                     textFieldDeleteTaxpayer.getText());
658                 accountsManager.deleteTaxpayer(receiptCode);
659                 panelShowMainMenu.setVisible(true);
660                 panelDeleteTaxpayer.setVisible(false);
661             }
662         });
663     btnDeleteTaxpayerFromDeleteTaxpayer.setBounds(31, 165, 152,
664         59);
665     panelDeleteTaxpayer.add(btnDeleteTaxpayerFromDeleteTaxpayer);
666
667     JButton btnExitFromDeleteTaxpayer = new JButton("EXIT");
668     btnExitFromDeleteTaxpayer.addActionListener(
669         new ActionListener() {
670             public void actionPerformed(ActionEvent arg0) {
671                 panelShowMainMenu.setVisible(true);
672                 panelDeleteTaxpayer.setVisible(false);
673             }
674         });
675     btnExitFromDeleteTaxpayer.setBounds(247, 165, 152, 59);
676     panelDeleteTaxpayer.add(btnExitFromDeleteTaxpayer);
677
678     JLabel lblNewLabel_10 = new JLabel(
679         "Enter taxpayer's AFM for deletion");
680     lblNewLabel_10.setBounds(125, 26, 175, 14);
681     panelDeleteTaxpayer.add(lblNewLabel_10);
682 }

```

GuiManager.java

```
683 }  
684
```