

# GuiManager.java

```

1 package guiManager;
2
3 import java.awt.EventQueue;
20
21 public class GuiManager {
22
23     private JScrollPane scrollPane;
24     private JFrame frame;
25     private JTextField textFieldInputFilePath;
26     private JTextField textFieldTaxpayerAfm;
27     private JPanel panelSetOutputFilePath;
28     private JPanel panelShowMainMenu;
29     private JPanel panelLoadTaxpayer;
30     private JPanel panelChooseTaxpayer;
31     private JPanel panelChosenTaxpayerMenu;
32     private JPanel panelDeleteTaxpayer;
33     private JPanel panelAddReceipt;
34     private JPanel panelShowReport;
35     private JPanel panelDeleteReceipt;
36     private JPanel panelSaveTaxpayer;
37     private String inputFilePath;
38     private String outputFilePath;
39     private Taxpayer chosenTaxpayer;
40     private TaxpayerAccountsManager accountsManager = new
TaxpayerAccountsManager();
41     private JTextField textFieldReceiptForDelete;
42     private JTextField textFieldKind;
43     private JTextField textFieldID;
44     private JTextField textFieldDate;
45     private JTextField textFieldAmount;
46     private JTextField textFieldCompany;
47     private JTextField textFieldCountry;
48     private JTextField textFieldCity;
49     private JTextField textFieldStreet;
50     private JTextField textFieldNumber;
51     private String category;
52     private int receiptCode;
53     private int dateOfIssue;
54     private int amountPaid;
55     private String companyName;
56     private String country;
57     private String city;
58     private String street;
59     private int streetNumber;
60     private JTextField textFieldDeleteTaxpayer;
61     private JTextField textFieldOutputFilePath;
62
63     public static void main(String[] args) {
64         EventQueue.invokeLater(new Runnable() {
65             public void run() {
66                 try {
67                     GuiManager window = new GuiManager();
68                     window.frame.setVisible(true);
69                 } catch (Exception e) {
70                     e.printStackTrace();
71                 }
72             }
73         });
74     }
75
76     public GuiManager() {
77         initialize();
78     }
79

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80     private void initialize() {
81         frame = new JFrame();
82         frame.setBounds(100, 100, 450, 300);
83         frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
84         deleteTaxpayer();
85         loadTaxpayer();
86         showTaxpayerInfo();
87         chooseTaxpayer();
88         chosenTaxpayerMenu();
89         addReceipt();
90         deleteReceipt();
91         saveTaxpayer();
92         showMainMenu();
93         showReport();
94         setOutputFile();
95     }
96
97     private void setOutputFile(){
98         panelSetOutputFilePath = new JPanel();
99         frame.getContentPane().add(panelSetOutputFilePath,
100 "name_1030804165165594");
101         panelSetOutputFilePath.setLayout(null);
102         panelSetOutputFilePath.setVisible(true);
103
104         textFieldOutputFilePath = new JTextField();
105         textFieldOutputFilePath.setBounds(39, 59, 350, 68);
106         panelSetOutputFilePath.add(textFieldOutputFilePath);
107         textFieldOutputFilePath.setColumns(10);
108
109         JButton btnChooseFileFromSetOutputPathPanel = new JButton("CHOOSE FILE");
110         btnChooseFileFromSetOutputPathPanel.addActionListener(new ActionListener()
111 {
112     public void actionPerformed(ActionEvent arg0) {
113         outputFilePath = textFieldOutputFilePath.getText();
114         createDirectoryIfNeeded(outputFilePath);
115         accountsManager.setDomain(outputFilePath);
116         panelShowMainMenu.setVisible(true);
117         panelSetOutputFilePath.setVisible(false);
118     }
119 });
120 btnChooseFileFromSetOutputPathPanel.setBounds(139, 167, 145, 45);
121 panelSetOutputFilePath.add(btnChooseFileFromSetOutputPathPanel);
122
123 JLabel lblNewLabel_11 = new JLabel("Enter output file's path");
124 lblNewLabel_11.setBounds(154, 34, 116, 14);
125 panelSetOutputFilePath.add(lblNewLabel_11);
126
127 private void createDirectoryIfNeeded(String directoryName)
128 {
129     File theDirectory = new File(directoryName);
130     if (!theDirectory.exists() || !theDirectory.isDirectory())
131     {
132         JOptionPane.showMessageDialog(null, "Can't locate directory's path");
133         System.exit(-1);
134     }
135 }
136
137 private void showReport(){
138     panelShowReport = new JPanel();
139     frame.getContentPane().add(panelShowReport, "name_981382272378719");
140     panelShowReport.setLayout(null);
141     panelShowReport.setVisible(false);

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142     JCheckBox chckbxPieChart = new JCheckBox("pie chart");
143     chckbxPieChart.setBounds(155, 47, 97, 23);
144     panelShowReport.add(chckbxPieChart);
145     chckbxPieChart.setSelected(true);
146
147     JCheckBox chckbxBarChart = new JCheckBox("bar chart");
148     chckbxBarChart.setBounds(155, 91, 97, 23);
149     panelShowReport.add(chckbxBarChart);
150     chckbxBarChart.setSelected(true);
151
152     JButton btnShowChart = new JButton("SHOW CHART");
153     btnShowChart.addActionListener(new ActionListener() {
154         public void actionPerformed(ActionEvent e) {
155             accountsManager.creatBarChart(chosenTaxpayer);
156             accountsManager.creatPieChart(chosenTaxpayer);
157         }
158     });
159     btnShowChart.setBounds(135, 156, 138, 23);
160     panelShowReport.add(btnShowChart);
161
162     JLabel lblChoose = new JLabel("Choose chart type");
163     lblChoose.setBounds(155, 11, 97, 14);
164     panelShowReport.add(lblChoose);
165 }
166
167
168 private void showTaxpayerInfo(){
169
170     scrollPane = new JScrollPane();
171     frame.getContentPane().add(scrollPane, "name_730639875189510");
172     scrollPane.setVisible(false);
173
174     JTextPane textPane = new JTextPane();
175     scrollPane.setViewportViewView(textPane);
176
177     JButton btnNewButton = new JButton("OK");
178     scrollPane.setRowHeaderView(btnNewButton);
179     btnNewButton.addActionListener(new ActionListener() {
180         public void actionPerformed(ActionEvent e) {
181             panelChosenTaxpayerMenu.setVisible(true);
182             scrollPane.setVisible(false);
183         }
184     });
185
186     JButton btnNewButton_1 = new JButton("SHOW TAXPAYER'S INFO");
187     scrollPane.setColumnHeaderView(btnNewButton_1);
188     btnNewButton_1.addActionListener(new ActionListener() {
189         public void actionPerformed(ActionEvent e) {
190             chosenTaxpayer.createTaxpayerInformationString();
191             textPane.setText(chosenTaxpayer.getTaxpayerInformationString());
192         }
193     });
194 }
195
196
197 private void showMainMenu(){
198     panelShowMainMenu = new JPanel();
199     frame.getContentPane().add(panelShowMainMenu, "name_723228577274520");
200     panelShowMainMenu.setLayout(null);
201     panelShowMainMenu.setVisible(false);
202
203     JLabel lblMainMenu = new JLabel("Main Menu");
204     lblMainMenu.setBounds(188, 11, 64, 14);
205     panelShowMainMenu.add(lblMainMenu);

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206
207 JButton btnDeleteTaxpayer = new JButton("DELETE TAXPAYER");
208 btnDeleteTaxpayer.addActionListener(new ActionListener() {
209     public void actionPerformed(ActionEvent e) {
210         panelDeleteTaxpayer.setVisible(true);
211         panelShowMainMenu.setVisible(false);
212     }
213 });
214 btnDeleteTaxpayer.setBounds(122, 190, 184, 48);
215 panelShowMainMenu.add(btnDeleteTaxpayer);
216
217 JButton btnChooseTaxpayer = new JButton("CHOOSE TAXPAYER");
218 btnChooseTaxpayer.addActionListener(new ActionListener() {
219     public void actionPerformed(ActionEvent e) {
220         panelChooseTaxpayer.setVisible(true);
221         panelShowMainMenu.setVisible(false);
222     }
223 });
224
225 JButton btnLoadTaxpayer = new JButton("LOAD TAXPAYER");
226 btnLoadTaxpayer.addActionListener(new ActionListener() {
227     public void actionPerformed(ActionEvent e) {
228         panelLoadTaxpayer.setVisible(true);
229         panelShowMainMenu.setVisible(false);
230     }
231 });
232 btnLoadTaxpayer.setBounds(122, 44, 184, 48);
233 panelShowMainMenu.add(btnLoadTaxpayer);
234 btnChooseTaxpayer.setBounds(122, 118, 184, 48);
235 panelShowMainMenu.add(btnChooseTaxpayer);
236 }
237
238 private void loadTaxpayer() {
239     panelLoadTaxpayer = new JPanel();
240     frame.getContentPane().add(panelLoadTaxpayer, "name_723228625387284");
241     panelLoadTaxpayer.setLayout(null);
242     panelLoadTaxpayer.setVisible(false);
243
244     textFieldInputFilePath = new JTextField();
245     textFieldInputFilePath.setBounds(27, 61, 379, 56);
246     panelLoadTaxpayer.add(textFieldInputFilePath);
247     textFieldInputFilePath.setColumns(10);
248
249     JLabel lblEnterTaxpayeData = new JLabel("Enter taxpaye's data file's
250 path");
251     lblEnterTaxpayeData.setBounds(130, 11, 158, 39);
252     panelLoadTaxpayer.add(lblEnterTaxpayeData);
253
254     JButton btnLoad = new JButton("LOAD");
255     btnLoad.addActionListener(new ActionListener() {
256         public void actionPerformed(ActionEvent e) {
257             inputFilePath = textFieldInputFilePath.getText();
258             accountsManager.insertTaxpayerFromFile(inputFilePath);
259             panelShowMainMenu.setVisible(true);
260             panelLoadTaxpayer.setVisible(false);
261         }
262     });
263     btnLoad.setBounds(27, 151, 163, 56);
264     panelLoadTaxpayer.add(btnLoad);
265
266     JButton btnExit = new JButton("EXIT");
267     btnExit.addActionListener(new ActionListener() {
268         public void actionPerformed(ActionEvent e) {
269             panelShowMainMenu.setVisible(true);

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269         panelLoadTaxpayer.setVisible(false);
270     }
271 });
272 btnExit.setBounds(253, 151, 153, 56);
273 panelLoadTaxpayer.add(btnExit);
274 }
275
276 private void saveTaxpayer(){
277     panelSaveTaxpayer = new JPanel();
278     frame.getContentPane().add(panelSaveTaxpayer, "name_723228821548180");
279     panelSaveTaxpayer.setLayout(null);
280     panelSaveTaxpayer.setVisible(false);
281
282     JCheckBox chckbxTxt = new JCheckBox("TXT");
283     chckbxTxt.setBounds(163, 50, 97, 23);
284     panelSaveTaxpayer.add(chckbxTxt);
285     chckbxTxt.setSelected(true);
286
287     JCheckBox chckbxXml = new JCheckBox("XML");
288     chckbxXml.setBounds(163, 97, 97, 23);
289     panelSaveTaxpayer.add(chckbxXml);
290     chckbxXml.setSelected(true);
291
292     JButton btnSaveFromSaveTaxpayer = new JButton("SAVE");
293     btnSaveFromSaveTaxpayer.addActionListener(new ActionListener() {
294         public void actionPerformed(ActionEvent arg0) {
295             if(chckbxTxt.isSelected()){
296                 accountsManager.creatLogTextFile(chosenTaxpayer);
297             }
298             if(chckbxXml.isSelected()){
299                 accountsManager.creatLogXmlFile(chosenTaxpayer);
300             }
301             panelChosenTaxpayerMenu.setVisible(true);
302             panelSaveTaxpayer.setVisible(false);
303         }
304     });
305     btnSaveFromSaveTaxpayer.setBounds(147, 149, 127, 48);
306     panelSaveTaxpayer.add(btnSaveFromSaveTaxpayer);
307
308     JButton btnExitFromSaveTaxpayerPanel = new JButton("EXIT");
309     btnExitFromSaveTaxpayerPanel.addActionListener(new ActionListener() {
310         public void actionPerformed(ActionEvent e) {
311             panelChosenTaxpayerMenu.setVisible(true);
312             panelSaveTaxpayer.setVisible(false);
313         }
314     });
315     btnExitFromSaveTaxpayerPanel.setBounds(341, 211, 83, 39);
316     panelSaveTaxpayer.add(btnExitFromSaveTaxpayerPanel);
317
318     JLabel lblChooseFileType = new JLabel("Choose file type");
319     lblChooseFileType.setBounds(162, 11, 127, 14);
320     panelSaveTaxpayer.add(lblChooseFileType);
321 }
322
323 private void deleteReceipt(){
324     panelDeleteReceipt = new JPanel();
325     frame.getContentPane().add(panelDeleteReceipt, "name_723228783398802");
326     panelDeleteReceipt.setLayout(null);
327     panelDeleteReceipt.setVisible(false);
328
329     JLabel lblNewLabel_1 = new JLabel("Enter receipt's ID for deletion");
330     lblNewLabel_1.setBounds(133, 19, 205, 14);
331     panelDeleteReceipt.add(lblNewLabel_1);
332

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333     textFieldReceiptForDelete = new JTextField();
334     textFieldReceiptForDelete.setBounds(50, 44, 329, 62);
335     panelDeleteReceipt.add(textFieldReceiptForDelete);
336     textFieldReceiptForDelete.setColumns(10);
337
338     JButton btnDeleteReceiptFromDeleteReceiptPanel = new JButton("DELETE
RECEIPT");
339     btnDeleteReceiptFromDeleteReceiptPanel.addActionListener(new
ActionListener() {
340         public void actionPerformed(ActionEvent e) {
341             receiptCode =
Integer.parseInt(textFieldReceiptForDelete.getText());
342             accountsManager.deleteReceiptFromTaxpayer(chosenTaxpayer,
receiptCode);
343             accountsManager.creatInfoTextFile(chosenTaxpayer);
344             accountsManager.creatInfoXmlFile(chosenTaxpayer);
345             panelChosenTaxpayerMenu.setVisible(true);
346             panelDeleteReceipt.setVisible(false);
347         }
348     });
349     btnDeleteReceiptFromDeleteReceiptPanel.setBounds(50, 163, 148, 62);
350     panelDeleteReceipt.add(btnDeleteReceiptFromDeleteReceiptPanel);
351
352     JButton btnExitFromDeleteReceiptPanel = new JButton("EXIT");
353     btnExitFromDeleteReceiptPanel.addActionListener(new ActionListener() {
354         public void actionPerformed(ActionEvent e) {
355             panelChosenTaxpayerMenu.setVisible(true);
356             panelDeleteReceipt.setVisible(false);
357         }
358     });
359     btnExitFromDeleteReceiptPanel.setBounds(231, 163, 148, 62);
360     panelDeleteReceipt.add(btnExitFromDeleteReceiptPanel);
361 }
362
363 private void chosenTaxpayerMenu() {
364     panelChosenTaxpayerMenu = new JPanel();
365     frame.getContentPane().add(panelChosenTaxpayerMenu,
"name_723228713281209");
366     panelChosenTaxpayerMenu.setLayout(null);
367     panelChosenTaxpayerMenu.setVisible(false);
368
369     JButton btnAddNewReceipt = new JButton("ADD NEW RECEIPT");
370     btnAddNewReceipt.addActionListener(new ActionListener() {
371         public void actionPerformed(ActionEvent e) {
372             panelAddReceipt.setVisible(true);
373             panelChosenTaxpayerMenu.setVisible(false);
374         }
375     });
376     btnAddNewReceipt.setBounds(96, 11, 229, 33);
377     panelChosenTaxpayerMenu.add(btnAddNewReceipt);
378
379     JButton btnDeleteReceipt = new JButton("DELETE RECEIPT");
380     btnDeleteReceipt.addActionListener(new ActionListener() {
381         public void actionPerformed(ActionEvent e) {
382             panelDeleteReceipt.setVisible(true);
383             panelChosenTaxpayerMenu.setVisible(false);
384         }
385     });
386     btnDeleteReceipt.setBounds(96, 140, 229, 33);
387     panelChosenTaxpayerMenu.add(btnDeleteReceipt);
388
389     JButton btnShowReport = new JButton("SHOW REPORT");
390     btnShowReport.addActionListener(new ActionListener() {
391         public void actionPerformed(ActionEvent e) {

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```

392         panelShowReport.setVisible(true);
393         panelChosenTaxpayerMenu.setVisible(false);
394     }
395 });
396 btnShowReport.setBounds(96, 52, 229, 33);
397 panelChosenTaxpayerMenu.add(btnShowReport);
398
399 JButton btnDeleteCurrentTaxpayer = new JButton("DELETE CURRENT TAXPAYER");
400 btnDeleteCurrentTaxpayer.addActionListener(new ActionListener() {
401     public void actionPerformed(ActionEvent e) {
402         accountsManager.deleteTaxpayer(chosenTaxpayer);
403         JOptionPane.showMessageDialog(null, "Current taxpayer successfully
deleted");
404         panelShowMainMenu.setVisible(true);
405         panelChosenTaxpayerMenu.setVisible(false);
406     }
407 });
408 btnDeleteCurrentTaxpayer.setBounds(96, 96, 229, 33);
409 panelChosenTaxpayerMenu.add(btnDeleteCurrentTaxpayer);
410
411 JButton btnExitFromChosenTaxpayerMenu = new JButton("EXIT");
412 btnExitFromChosenTaxpayerMenu.addActionListener(new ActionListener() {
413     public void actionPerformed(ActionEvent e) {
414         panelShowMainMenu.setVisible(true);
415         panelChosenTaxpayerMenu.setVisible(false);
416     }
417 });
418 btnExitFromChosenTaxpayerMenu.setBounds(169, 228, 86, 22);
419 panelChosenTaxpayerMenu.add(btnExitFromChosenTaxpayerMenu);
420
421 JButton btnSaveTaxpayer = new JButton("SAVE TAXPAYER");
422 btnSaveTaxpayer.addActionListener(new ActionListener() {
423     public void actionPerformed(ActionEvent e) {
424         panelSaveTaxpayer.setVisible(true);
425         panelChosenTaxpayerMenu.setVisible(false);
426     }
427 });
428 btnSaveTaxpayer.setBounds(96, 184, 229, 33);
429 panelChosenTaxpayerMenu.add(btnSaveTaxpayer);
430 }
431
432 private void addReceipt() {
433     panelAddReceipt = new JPanel();
434     frame.getContentPane().add(panelAddReceipt, "name_723228748503867");
435     panelAddReceipt.setLayout(null);
436     panelAddReceipt.setVisible(false);
437
438     textFieldKind = new JTextField();
439     textFieldKind.setBounds(140, 34, 86, 20);
440     panelAddReceipt.add(textFieldKind);
441     textFieldKind.setColumns(10);
442
443     textFieldID = new JTextField();
444     textFieldID.setBounds(140, 83, 86, 20);
445     panelAddReceipt.add(textFieldID);
446     textFieldID.setColumns(10);
447
448     textFieldDate = new JTextField();
449     textFieldDate.setBounds(140, 131, 86, 20);
450     panelAddReceipt.add(textFieldDate);
451     textFieldDate.setColumns(10);
452
453     textFieldAmount = new JTextField();
454     textFieldAmount.setBounds(140, 178, 86, 20);

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455     panelAddReceipt.add(textFieldAmount);
456     textFieldAmount.setColumns(10);
457
458     textFieldCompany = new JTextField();
459     textFieldCompany.setBounds(338, 34, 86, 20);
460     panelAddReceipt.add(textFieldCompany);
461     textFieldCompany.setColumns(10);
462
463     textFieldCountry = new JTextField();
464     textFieldCountry.setBounds(338, 83, 86, 20);
465     panelAddReceipt.add(textFieldCountry);
466     textFieldCountry.setColumns(10);
467
468     textFieldCity = new JTextField();
469     textFieldCity.setBounds(338, 131, 86, 20);
470     panelAddReceipt.add(textFieldCity);
471     textFieldCity.setColumns(10);
472
473     textFieldStreet = new JTextField();
474     textFieldStreet.setBounds(338, 178, 86, 20);
475     panelAddReceipt.add(textFieldStreet);
476     textFieldStreet.setColumns(10);
477
478     textFieldNumber = new JTextField();
479     textFieldNumber.setBounds(338, 230, 86, 20);
480     panelAddReceipt.add(textFieldNumber);
481     textFieldNumber.setColumns(10);
482
483     JLabel lblNewLabel_3 = new JLabel("Date");
484     lblNewLabel_3.setBounds(22, 137, 95, 14);
485     panelAddReceipt.add(lblNewLabel_3);
486
487     JLabel lblNewLabel = new JLabel("ID");
488     lblNewLabel.setBounds(22, 89, 95, 14);
489     panelAddReceipt.add(lblNewLabel);
490
491     JLabel lblNewLabel_2 = new JLabel("Kind");
492     lblNewLabel_2.setBounds(22, 40, 95, 14);
493     panelAddReceipt.add(lblNewLabel_2);
494
495     JLabel lblNewLabel_4 = new JLabel("Company");
496     lblNewLabel_4.setBounds(236, 40, 92, 14);
497     panelAddReceipt.add(lblNewLabel_4);
498
499     JLabel lblNewLabel_5 = new JLabel("Country");
500     lblNewLabel_5.setBounds(236, 89, 92, 14);
501     panelAddReceipt.add(lblNewLabel_5);
502
503     JLabel lblNewLabel_6 = new JLabel("City");
504     lblNewLabel_6.setBounds(236, 137, 92, 14);
505     panelAddReceipt.add(lblNewLabel_6);
506
507     JLabel lblNewLabel_7 = new JLabel("Street");
508     lblNewLabel_7.setBounds(236, 184, 92, 14);
509     panelAddReceipt.add(lblNewLabel_7);
510
511     JLabel lblNewLabel_8 = new JLabel("Street's number");
512     lblNewLabel_8.setBounds(236, 236, 92, 14);
513     panelAddReceipt.add(lblNewLabel_8);
514
515     JLabel lblNewLabel_9 = new JLabel("Amount");
516     lblNewLabel_9.setBounds(22, 184, 95, 14);
517     panelAddReceipt.add(lblNewLabel_9);
518

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519 JButton btnAddReceiptFromAddReceiptPanel = new JButton("ADD RECEIPT");
520 btnAddReceiptFromAddReceiptPanel.addActionListener(new ActionListener() {
521     public void actionPerformed(ActionEvent e) {
522         category = textFieldKind.getText();
523         receiptCode = Integer.parseInt(textFieldID.getText());
524         dateOfIssue = Integer.parseInt(textFieldDate.getText());
525         amountPaid = Integer.parseInt(textFieldAmount.getText());
526         companyName = textFieldCompany.getText();
527         country = textFieldCountry.getText();
528         city = textFieldCity.getText();
529         street = textFieldStreet.getText();
530         streetNumber = Integer.parseInt(textFieldNumber.getText());
531         accountsManager.insertNewReceiptForTaxpayer(chosenTaxpayer,
category, receiptCode,
532         dateOfIssue, amountPaid, companyName, country, city,
street, streetNumber);
533         accountsManager.creatInfoTextFile(chosenTaxpayer);
534         accountsManager.creatInfoXmlFile(chosenTaxpayer);
535         panelChosenTaxpayerMenu.setVisible(true);
536         panelAddReceipt.setVisible(false);
537     }
538 });
539 btnAddReceiptFromAddReceiptPanel.setBounds(10, 229, 117, 23);
540 panelAddReceipt.add(btnAddReceiptFromAddReceiptPanel);
541
542 JButton btnExitFromAddReceiptPanel = new JButton("EXIT");
543 btnExitFromAddReceiptPanel.addActionListener(new ActionListener() {
544     public void actionPerformed(ActionEvent arg0) {
545         panelChosenTaxpayerMenu.setVisible(true);
546         panelAddReceipt.setVisible(false);
547     }
548 });
549 btnExitFromAddReceiptPanel.setBounds(137, 229, 89, 23);
550 panelAddReceipt.add(btnExitFromAddReceiptPanel);
551 }
552
553 private void chooseTaxpayer(){
554     panelChooseTaxpayer = new JPanel();
555     frame.getContentPane().add(panelChooseTaxpayer, "name_723228670069488");
556     panelChooseTaxpayer.setLayout(null);
557     panelChooseTaxpayer.setVisible(false);
558
559     textFieldTaxpayerAfm = new JTextField();
560     textFieldTaxpayerAfm.setBounds(33, 40, 365, 57);
561     panelChooseTaxpayer.add(textFieldTaxpayerAfm);
562     textFieldTaxpayerAfm.setColumns(10);
563
564     JLabel lblEnterTaxpayersAfm = new JLabel("Enter taxpayer's AFM");
565     lblEnterTaxpayersAfm.setBounds(164, 11, 145, 18);
566     panelChooseTaxpayer.add(lblEnterTaxpayersAfm);
567
568     JButton btnGetTaxpayer = new JButton("GET TAXPAYER");
569     btnGetTaxpayer.addActionListener(new ActionListener() {
570         public void actionPerformed(ActionEvent e) {
571             chosenTaxpayer =
accountsManager.getTaxpayer(Integer.parseInt(textFieldTaxpayerAfm.getText()));
572             if (chosenTaxpayer == null){
573                 JOptionPane.showMessageDialog(null, "Can't find such
taxpayer!");
574             }else{
575                 scrollPane.setVisible(true);
576                 panelChooseTaxpayer.setVisible(false);
577             }
578         }

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579     });
580     btnGetTaxpayer.setBounds(33, 163, 151, 57);
581     panelChooseTaxpayer.add(btnGetTaxpayer);
582
583     JButton btnExitChooseTaxpayer = new JButton("EXIT");
584     btnExitChooseTaxpayer.addActionListener(new ActionListener() {
585         public void actionPerformed(ActionEvent e) {
586             panelShowMainMenu.setVisible(true);
587             panelChooseTaxpayer.setVisible(false);
588         }
589     });
590     btnExitChooseTaxpayer.setBounds(265, 163, 133, 57);
591     panelChooseTaxpayer.add(btnExitChooseTaxpayer);
592 }
593
594 private void deleteTaxpayer(){
595     frame.getContentPane().setLayout(new CardLayout(0, 0));
596     panelDeleteTaxpayer = new JPanel();
597     frame.getContentPane().add(panelDeleteTaxpayer, "name_723228522571934");
598     panelDeleteTaxpayer.setLayout(null);
599     panelDeleteTaxpayer.setVisible(false);
600
601     textFieldDeleteTaxpayer = new JTextField();
602     textFieldDeleteTaxpayer.setBounds(31, 51, 368, 55);
603     panelDeleteTaxpayer.add(textFieldDeleteTaxpayer);
604     textFieldDeleteTaxpayer.setColumns(10);
605
606     JButton btnDeleteTaxpayerFromDeleteTaxpayer = new JButton("DELETE
TAXPAYER");
607     btnDeleteTaxpayerFromDeleteTaxpayer.addActionListener(new ActionListener()
{
608         public void actionPerformed(ActionEvent e) {
609             receiptCode = Integer.parseInt(textFieldDeleteTaxpayer.getText());
610             accountsManager.deleteTaxpayer(receiptCode);
611             panelShowMainMenu.setVisible(true);
612             panelDeleteTaxpayer.setVisible(false);
613         }
614     });
615     btnDeleteTaxpayerFromDeleteTaxpayer.setBounds(31, 165, 152, 59);
616     panelDeleteTaxpayer.add(btnDeleteTaxpayerFromDeleteTaxpayer);
617
618     JButton btnExitFromDeleteTaxpayer = new JButton("EXIT");
619     btnExitFromDeleteTaxpayer.addActionListener(new ActionListener() {
620         public void actionPerformed(ActionEvent arg0) {
621             panelShowMainMenu.setVisible(true);
622             panelDeleteTaxpayer.setVisible(false);
623         }
624     });
625     btnExitFromDeleteTaxpayer.setBounds(247, 165, 152, 59);
626     panelDeleteTaxpayer.add(btnExitFromDeleteTaxpayer);
627
628     JLabel lblNewLabel_10 = new JLabel("Enter taxpayer's AFM for deletion");
629     lblNewLabel_10.setBounds(125, 26, 175, 14);
630     panelDeleteTaxpayer.add(lblNewLabel_10);
631 }
632 }
633

```