MwainWindow.java

```java
 1 package prof;
 2
 3 import java.awt.EventQueue;
35
36 public class MwainWindow {
37
38     private JFrame frmDomaciProfaIde;
39     private JTextField fieldName;
40     private JTextField fieldLocation;
41     private JTextField fieldBroj;
42     private JTextField fieldOsecaj;
43
44     public Smart smart = new Smart();
45     public Test test = new Test();
46
47     /**
48      * Launch the application.
49      */
50
51
52
53     public static void main(String[] args) {
54         EventQueue.invokeLater(new Runnable() {
55             public void run() {
56                 try {
57                     MwainWindow window = new MwainWindow();
58                     window.frmDomaciProfaIde.setVisible(true);
59                     window.frmDomaciProfaIde.setResizable(false);
60                 } catch (Exception e) {
61                     e.printStackTrace();
62                 }
63             }
64         });
65     }
66
67     /**
68      * Create the application.
69      */
70     public MwainWindow() {
71         initialize();
72     }
73
74     class Console {
75
76         final JFrame frame = new JFrame();
77         public Console() {
78             JTextArea textArea = new JTextArea(24, 80);
79             textArea.setBackground(Color.BLACK);
80             textArea.setForeground(Color.LIGHT_GRAY);
81             textArea.setFont(new Font(Font.MONOSPACED, Font.BOLD, 20));
```

```java
82              System.setOut(new PrintStream(new OutputStream() {
83
84                  @Override
85                  public void write(int b) throws IOException {
86                      textArea.append(String.valueOf((char) b));
87
88                  }
89              }));
90          frame.getContentPane().add(textArea);
91          frame.getContentPane().add(new JScrollPane(textArea,
   JScrollPane.VERTICAL_SCROLLBAR_ALWAYS,
92                  JScrollPane.HORIZONTAL_SCROLLBAR_ALWAYS));
93      }
94      public void init() {
95          frame.pack();
96          frame.setSize(1200, 800);
97          frame.setVisible(true);
98          frame.setResizable(false);
99      }
100     public JFrame geJframe() {
101         return frame;
102     }
103
104 }
105
106
107  /**
108   * Initialize the contents of the frame.
109   */
110  private void initialize() {
111      frmDomaciProfaIde = new JFrame();
112      frmDomaciProfaIde.setFont(new Font("MS Gothic", Font.BOLD, 14));
113      frmDomaciProfaIde.setTitle("Domaci profa ide do table");
114      frmDomaciProfaIde.getContentPane().setBackground(new Color(152, 251,
   152));
115      frmDomaciProfaIde.setBounds(100, 100, 1055, 692);
116      frmDomaciProfaIde.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
117      frmDomaciProfaIde.getContentPane().setLayout(null);
118
119      JPanel panel = new JPanel();
120      panel.setBackground(new Color(152, 251, 152));
121      panel.setBorder(new TitledBorder(new LineBorder(new Color(0, 0, 0),
   2, true), "Unos podataka za objekat profa", TitledBorder.LEADING,
   TitledBorder.TOP, null, null));
122      panel.setBounds(12, 13, 606, 184);
123      frmDomaciProfaIde.getContentPane().add(panel);
124      panel.setLayout(null);
125
126      JLabel lblNewLabel = new JLabel("Name");
127      lblNewLabel.setBounds(57, 31, 53, 22);
```

```java
128        lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 18));
129        panel.add(lblNewLabel);
130
131        fieldName = new JTextField();
132        fieldName.setForeground(new Color(220, 20, 60));
133        fieldName.setText("Ime Obavezno");
134        fieldName.setToolTipText("Unesite ime Profesora");
135        fieldName.setBounds(173, 31, 284, 22);
136        panel.add(fieldName);
137        fieldName.setColumns(10);
138
139        JButton btnNewButton = new JButton("Help ?");
140        btnNewButton.addActionListener(new ActionListener() {
141            public void actionPerformed(ActionEvent arg0) {
142                JOptionPane.showMessageDialog(null, "Ovo polje je namenjeno
     za String tip podataka ili praktično bilo šta.", "The help me button!", 1);
143            }
144        });
145        btnNewButton.setToolTipText("Pokazuje koji tip podataka moze da se
     unese u ovo polje.");
146        btnNewButton.setBounds(462, 30, 119, 25);
147        panel.add(btnNewButton);
148
149        JLabel lblNewLabel_1 = new JLabel("Location");
150        lblNewLabel_1.setBounds(47, 62, 74, 21);
151        lblNewLabel_1.setFont(new Font("Tahoma", Font.BOLD, 17));
152        panel.add(lblNewLabel_1);
153
154        fieldLocation = new JTextField();
155        fieldLocation.setToolTipText("Unesite gde se profesor nalazi.");
156        fieldLocation.setBounds(173, 61, 284, 22);
157        panel.add(fieldLocation);
158        fieldLocation.setColumns(10);
159
160        JButton btnNewButton_1 = new JButton("Help ?");
161        btnNewButton_1.addActionListener(new ActionListener() {
162            public void actionPerformed(ActionEvent e) {
163                JOptionPane.showMessageDialog(null, "Ovo polje je namenjeno
     za String tip podataka ili praktično bilo šta.", "The help me button!", 1);
164            }
165        });
166        btnNewButton_1.setToolTipText("Pokazuje koji tip podataka moze da se
     unese u ovo polje.");
167        btnNewButton_1.setBounds(462, 60, 119, 25);
168        panel.add(btnNewButton_1);
169
170        JLabel lblNewLabel_2 = new JLabel("Broj");
171        lblNewLabel_2.setBounds(66, 92, 36, 21);
172        lblNewLabel_2.setFont(new Font("Tahoma", Font.BOLD, 17));
173        panel.add(lblNewLabel_2);
```

```
174
175            fieldBroj = new JTextField();
176            fieldBroj.setForeground(new Color(220, 20, 60));
177            fieldBroj.setText("Unesite Broj obavezno");
178            fieldBroj.setToolTipText("Broj koraka.");
179            fieldBroj.setBounds(173, 91, 284, 22);
180            panel.add(fieldBroj);
181            fieldBroj.setColumns(10);
182
183            JButton btnNewButton_2 = new JButton("Help ?");
184            btnNewButton_2.addActionListener(new ActionListener() {
185                public void actionPerformed(ActionEvent e) {
186                    JOptionPane.showMessageDialog(null, "Ovo polje je namenjeno
    samo za int tip podataka sto znaci samo broj bez decimala i ostalih
    zezancija.", "The help me button!", 1);
187                }
188            });
189            btnNewButton_2.setToolTipText("Pokazuje koji tip podataka moze da se
    unese u ovo polje.");
190            btnNewButton_2.setBounds(462, 90, 119, 25);
191            panel.add(btnNewButton_2);
192
193            JLabel lblNewLabel_3 = new JLabel("Osecaj");
194            lblNewLabel_3.setHorizontalAlignment(SwingConstants.CENTER);
195            lblNewLabel_3.setBounds(42, 122, 84, 21);
196            lblNewLabel_3.setFont(new Font("Tahoma", Font.BOLD, 17));
197            panel.add(lblNewLabel_3);
198
199            fieldOsecaj = new JTextField();
200            fieldOsecaj.setBounds(173, 121, 284, 22);
201            panel.add(fieldOsecaj);
202            fieldOsecaj.setColumns(10);
203
204            JButton btnNewButton_3 = new JButton("Help ?");
205            btnNewButton_3.addActionListener(new ActionListener() {
206                public void actionPerformed(ActionEvent e) {
207                    JOptionPane.showMessageDialog(null, "Ovo polje je namenjeno
    za String tip podataka ili praktično bilo šta.", "The help me button!", 1);
208                }
209            });
210            btnNewButton_3.setToolTipText("Pokazuje koji tip podataka moze da se
    unese u ovo polje.");
211            btnNewButton_3.setBounds(462, 120, 119, 25);
212            panel.add(btnNewButton_3);
213
214            JButton btnNewButton_8 = new JButton("Slika 1");
215            btnNewButton_8.addActionListener(new ActionListener() {
216                public void actionPerformed(ActionEvent e) {
217
218                    /*
```

```java
219                * RadnaStolicaFrame rsFrame = new RadnaStolicaFrame();
220              rsFrame.setVisible(true);
221              rsFrame.setResizable(false);
222               */
223
224              Profesor prFrame = new Profesor();
225              prFrame.setVisible(true);
226              prFrame.setResizable(false);
227
228
229          }
230      });
231      btnNewButton_8.setBounds(173, 146, 97, 25);
232      panel.add(btnNewButton_8);
233
234      JButton btnNewButton_9 = new JButton("Slika 2");
235      btnNewButton_9.addActionListener(new ActionListener() {
236          public void actionPerformed(ActionEvent e) {
237              Ja prFrameX = new Ja();
238              prFrameX.setVisible(true);
239              prFrameX.setResizable(false);
240
241          }
242      });
243      btnNewButton_9.setBounds(282, 146, 97, 25);
244      panel.add(btnNewButton_9);
245
246      JLabel label = new JLabel("");
247      Image img2 = new
   ImageIcon(this.getClass().getResource("/b.jpg")).getImage();
248      label.setIcon(new ImageIcon(img2));
249      label.setBounds(12, 210, 1037, 420);
250      frmDomaciProfaIde.getContentPane().add(label);
251
252      JLabel label2 = new JLabel("");
253      Image img3 = new
   ImageIcon(this.getClass().getResource("/cogs.gif")).getImage();
254      label2.setIcon(new ImageIcon(img3));
255      label2.setBounds(843, 13, 190, 184);
256      frmDomaciProfaIde.getContentPane().add(label2);
257
258      JPanel panel_1 = new JPanel();
259      panel_1.setBackground(new Color(152, 251, 152));
260      panel_1.setBounds(630, 23, 201, 173);
261      frmDomaciProfaIde.getContentPane().add(panel_1);
262
263      JButton btnNewButton_4 = new JButton("START");
264      btnNewButton_4.setBounds(12, 13, 87, 25);
265      btnNewButton_4.addActionListener(new ActionListener() {
266          @SuppressWarnings("unlikely-arg-type")
```

```java
267          public void actionPerformed(ActionEvent e) {
268
269              smart.loadProf("listaprofesora.txt");
270
271              String name = fieldName.getText();
272              String profaNijeDosaoDoTable; // location
273              String profaJeTuzanJerNijeDosaoDoTable; //osecaj
274
275
276              String number = fieldBroj.getText().trim();
277
278              if (Test.isNumber(number) == true) {     //uslov
279
280                  String answer = number;
281
282                  String Name = fieldName.getText().trim();
283                  String locationX = null;
284                  String felling = null;
285
286                  locationX = "Profesor je ispred tabele";
287                  felling = "Profesor je srecan jer je ispred tabele
    yey.";
288
289                  String locationY = "Ja sam sad ispred prozora";
290                  String fellingY = "Ja sam sada srecan jer sam ispred
    prozora yey.";
291
292
293                  smart.loadProf("listaprofesora.txt");
294
295                  switch (answer) {
296                  case "1":
297
298                      JOptionPane.showMessageDialog(null, "Izabrana je
    prva opcija", "Option 1", 1);
299
300                      Console console = new Console();
301                      console.init();
302
303                      System.out.println("-------------Pocetno-Stanje----
    ---------\n");
304                      System.out.println("Profesor se nalazi ispred
    ucionice ispred njega su providna vrata. \n");
305                      System.out.println("Korak 1 - Profesor posmatra
    okolinu i vidi da u ucionici sa leve strane je tabla. \n");
306                      System.out.println("Korak 2 - profesor sa desnom
    rukom hvata kvaku i okrece je. \n");
307                      System.out.println("Korak 3 - Profesor otvara vrata
    i pusta kvaku, spusta ruku. \n");
308                      System.out.println("Korak 4 - Profesor ide napred
```

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```
       dok mu se sa leve strane ne nalazi marker kod tabele. \n");
309                        System.out.println("Korak 5 - Profesor hvata marker
    sa levom rukom i podize ruku na nivo tabele \n");
310                        System.out.println("Korak 6 - Profesor pise bravo na
    tabeli spusta ruku ostavlja marker. \n");
311                        System.out.println("Korak 7 - Profesor je sada
    srecan jer je dosao do tabele. \n");
312
313                        JOptionPane.showMessageDialog(null, "profesor je
    sada kod tabele proverava se ime", "provera", 1);
314
315                        Objekat objekat = new Objekat(Name, locationX, 1,
    felling);
316
317                        boolean provera = smart.dodavanjeProfesora(objekat);
318
319                        if (provera) {
320                            JOptionPane.showMessageDialog(null, "Profesor je
    uspesno unet u listu podataka", "OK", 1);
321                            Console console2 = new Console();
322                            console2.init();
323                            smart.lstprofesora();
324
325                            JOptionPane.showMessageDialog(null, "sledi slika
    profesora", "Slika", 1);
326                            Profesor prFrame = new Profesor();
327                            prFrame.setVisible(true);
328                            prFrame.setResizable(false);
329
330                        }else {
331                            JOptionPane.showMessageDialog(null, "Profesor
    nije uspesno unet u listu podataka", "Greska", 1);
332                        }
333
334
335                        break;
336
337                    case "2":
338
339                        JOptionPane.showMessageDialog(null, "Izabrana je
    druga opcija", "Option 2", 1);
340
341                        Console console3 = new Console();
342                        console3.init();
343
344                        System.out.println("-------------Pocetno-Stanje----
    ---------\n");
345                        System.out.println("Profesor sedi na svom mestu.
    \n");
346                        System.out.println("Korak 2 - Profesor posmatra
```

```java
347                    okolinu i vidi da je iza njega tabela. \n");
                       System.out.println("Korak 3 - profesor ustaje sa
       svog mesta. \n");
348                    System.out.println("Korak 4 - Profesor profesor se
       okrece dok se ne nadje gledajuci u tabelu. \n");
349                    System.out.println("Korak 5 - Profesor profesor
       napravi par koraka dok nije kod tabele \n");
350                    System.out.println("Korak 6 - Profesor hvata marker
       sa desnom rukom i podize ruku na nivo tabele \n");
351                    System.out.println("Korak 7 - Profesor pise bravo na
       tabeli spusta ruku ostavlja marker. \n");
352                    System.out.println("Korak 8 - Profesor je sada
       srecan jer je dosao do tabele. \n");
353
354                    JOptionPane.showMessageDialog(null, "profesor je
       sada kod tabele proverava se ime", "provera", 1);
355
356                    Objekat objekat2 = new Objekat(Name, locationX, 1,
       felling);
357
358                    boolean provera2 =
       smart.dodavanjeProfesora(objekat2);
359
360                    if (provera2) {
361                        JOptionPane.showMessageDialog(null, "Profesor je
       uspesno unet u listu podataka", "OK", 1);
362                        Console console4 = new Console();
363                        console4.init();
364                        smart.lstprofesora();
365
366                        JOptionPane.showMessageDialog(null, "sledi slika
       profesora", "Slika", 1);
367                        Profesor prFrame = new Profesor();
368                        prFrame.setVisible(true);
369                        prFrame.setResizable(false);
370
371                    }else {
372                        JOptionPane.showMessageDialog(null, "Profesor
       nije uspesno unet u listu podataka", "Greska", 1);
373                    }
374
375
376
377                    break;
378
379                case "3":
380
381                    JOptionPane.showMessageDialog(null, "Izabrana je
       Treca opcija", "Option 3", 1);
382
```

```
383                         Console console5 = new Console();
384                         console5.init();
385
386                         System.out.println("-------------Pocetno-Stanje----
      ---------\n");
387                         System.out.println("ja se nalazi ispred spavace sobe
      ispered mene su neprovidna vrata \n");
388                         System.out.println("Korak 1 - ja sa desnom rukom
      hvatam kvaku i okrecem je. \n");
389                         System.out.println("Korak 2 - ja otvaram vrata i
      pustam kvaku, spustam ruku. \n");
390                         System.out.println("Korak 3 - napravim park koraka
      napred dok nisam usao u sobu. \n");
391                         System.out.println("Korak 4 - posmatram okolinu
      vidim da je prozor sa desne strane. \n");
392                         System.out.println("Korak 5 - okrecem se 90 stepeni
      na desno. \n");
393                         System.out.println("Korak 6 - koracam dok ne doljem
      do prozora. \n");
394                         System.out.println("Korak 7 - ja podizem ruku hvatam
      kvaku prozora. \n");
395                         System.out.println("Korak 8 - okrecem kvaku, otvaram
      prozor, pustam kvaku. \n");
396                         System.out.println("Korak 9 - ja sam sad srecan jer
      sam kod prozora i ide svez vazduh. \n");
397
398                         JOptionPane.showMessageDialog(null, "ja sam sada
      ispred tabele proverava se ime", "provera", 1);
399
400                         Objekat objekat3 = new Objekat(Name, locationY, 1,
      fellingY);
401
402                         boolean provera3 =
      smart.dodavanjeProfesora(objekat3);
403
404                         if (provera3) {
405                             JOptionPane.showMessageDialog(null, "Ja sam
      uspesno unet u listu podataka", "OK", 1);
406                             Console console6 = new Console();
407                             console6.init();
408                             smart.lstprofesora();
409
410                             JOptionPane.showMessageDialog(null, "sledi moja
      slika", "Slika", 1);
411
412                             Ja prFrameX = new Ja();
413                             prFrameX.setVisible(true);
414                             prFrameX.setResizable(false);
415
416                         }else {
```

```
417                            JOptionPane.showMessageDialog(null, "Ja nisam
      uspesno unet u listu podataka", "Greska", 1);
418                            }
419
420
421                      break;
422
423                  case "4":
424
425                            JOptionPane.showMessageDialog(null, "Izabrana je
      četvrta opcija", "Option 4", 1);
426
427                            Console console7 = new Console();
428                            console7.init();
429
430                            System.out.println("-------------Pocetno-Stanje----
      ---------\n");
431                            System.out.println("ja se nalazi ispred dnevne sobe
      ispered mene su providna vrata \n");
432                            System.out.println("Korak 1 - posmatram okolinu
      vidim da je prozor sa unutar sobe pravo. \n");
433                            System.out.println("Korak 2 - ja sa desnom rukom
      hvatam kvaku i okrecem je. \n");
434                            System.out.println("Korak 3 - ja otvaram vrata i
      pustam kvaku, spustam ruku. \n");
435                            System.out.println("Korak 4 - napravim par koraka
      napred dok nisam usao u sobu. \n");
436                            System.out.println("Korak 6 - koracam pravo dok ne
      doljem do prozora. \n");
437                            System.out.println("Korak 7 - ja podizem ruku hvatam
      kvaku prozora. \n");
438                            System.out.println("Korak 9 - okrecem kvaku, otvaram
      prozor, pustam kvaku. \n");
439                            System.out.println("Korak 10 - ja sam sad srecan jer
      sam kod prozora i ide svez vazduh. \n");
440
441                            JOptionPane.showMessageDialog(null, "ja sam sada
      ispred prozora proverava se ime", "provera", 1);
442
443                            Objekat objekat4 = new Objekat(Name, locationY, 1,
      fellingY);
444
445                            boolean provera4 =
      smart.dodavanjeProfesora(objekat4);
446
447                            if (provera4) {
448                                JOptionPane.showMessageDialog(null, "Ja sam
      uspesno unet u listu podataka", "OK", 1);
449                                Console console8 = new Console();
450                                console8.init();
```

```java
451                        smart.lstprofesora();
452
453                        JOptionPane.showMessageDialog(null, "sledi moja
   slika", "Slika", 1);
454
455                        Ja prFrameX = new Ja();
456                        prFrameX.setVisible(true);
457                        prFrameX.setResizable(false);
458
459                    }else {
460                        JOptionPane.showMessageDialog(null, "Ja nisam
   uspesno unet u listu podataka", "Greska", 1);
461                    }
462
463                    break;
464
465                default:
466                    break;
467                }
468
469            }else {
470                JOptionPane.showMessageDialog(null, "Nije unet broj u
   polje pokusajte ponovo.", "Greska pri unosu", 2);
471            }
472
473
474        }
475    });
476    panel_1.setLayout(null);
477    btnNewButton_4.setToolTipText("Pocetak adventure profesora da ode do
   table.");
478    btnNewButton_4.setLayout(new FlowLayout());
479    btnNewButton_4.setForeground(new Color(0, 0, 0));
480    panel_1.add(btnNewButton_4);
481
482    JButton btnNewButton_5 = new JButton("Unos Objekta");
483    btnNewButton_5.setBounds(12, 51, 177, 25);
484    btnNewButton_5.setToolTipText("unos objekta u textualnu databasu");
485    btnNewButton_5.addActionListener(new ActionListener() {
486        public void actionPerformed(ActionEvent e) {
487
488
489            String id = fieldBroj.getText().trim();
490
491            String Name = fieldName.getText().trim();
492            String Location = fieldLocation.getText().trim();
493            String osecaj = fieldOsecaj.getText().trim();
494
495            smart.loadProf("listaprofesora.txt");
496
```

```java
497                 if (Test.isNumber(id) == true) {
498
499                     int x = Integer.parseInt(id);
500
501                     Objekat objekat = new Objekat(Name, Location, x,
        osecaj);
502
503                     boolean provera = smart.dodavanjeProfesora(objekat);
504
505                     if (provera) {
506                         JOptionPane.showMessageDialog(null, "Profesor je
        uspesno unet u listu podataka", "OK", 1);
507                     }else {
508                         JOptionPane.showMessageDialog(null, "Profesor nije
        uspesno unet u listu podataka", "Greska", 1);
509                     }
510
511
512                 } else {
513                     JOptionPane.showMessageDialog(null, "nije unet broj u
        polje", "Greska Unesite broj", 2);
514                 }
515
516             }
517         });
518         panel_1.add(btnNewButton_5);
519
520         JButton btnNewButton_6 = new JButton("Lista Objekata");
521         btnNewButton_6.addActionListener(new ActionListener() {
522             public void actionPerformed(ActionEvent e) {
523                 Console console = new Console();
524                 console.init();
525                 smart.lstprofesora();
526             }
527         });
528         btnNewButton_6.setBounds(12, 89, 177, 25);
529         panel_1.add(btnNewButton_6);
530
531         JButton btnNewButton_7 = new JButton("Brisanje objekta Ime");
532         btnNewButton_7.addActionListener(new ActionListener() {
533             public void actionPerformed(ActionEvent e) {
534
535                 String idX = null;
536             // System.out.println("Unesite ime profesora za brisanje");
537                 idX = fieldName.getText().trim();
538
539                 Objekat objekat = new Objekat(idX);
540
541                 Objekat provera = smart.profBrisanjeIme(objekat);
542                 if (provera == null) {
```

```
543                // System.out.println("Zadato ime ne postoji u listi.");
544                JOptionPane.showMessageDialog(null, "Ime profesora se ne
    nalazi u listi", "Greska pri unosu imena ili ime ne posatoji", 1);
545            }else {
546                JOptionPane.showMessageDialog(null, "Profesor je
    izbrisan sa liste", "ok", 1);
547            }
548        }
549    });
550    btnNewButton_7.setBounds(12, 127, 177, 25);
551    panel_1.add(btnNewButton_7);
552
553    JButton button = new JButton("?");
554    button.addActionListener(new ActionListener() {
555        public void actionPerformed(ActionEvent e) {
556            JOptionPane.showMessageDialog(null, "Made by Marko Dunovic",
    "Profa ide do table domaci", 1);
557        }
558    });
559    button.setBounds(111, 13, 78, 25);
560    button.setForeground(Color.BLACK);
561    panel_1.add(button);
562 }
563
564 }
565
```