Proiect

la cursul

Programare Orientata spre Obiecte(POO)

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Soft de generare si gestionare a meditatiilor(eMeditatii)

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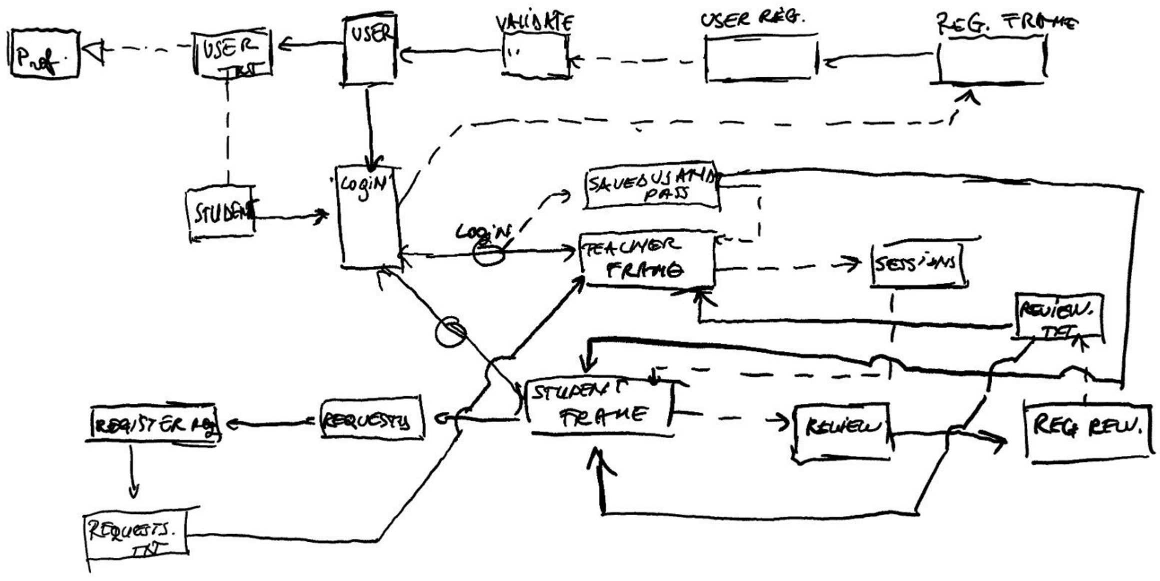
Cuprins

I. Enuntul Problemei

Sistemul EMeditatii realizeaza conexiunea intre elevi/cursanti si profesori/tutori pentru a stabili ora, data, locul si pretul lectiilor particulare pe care vor sa le urmeze cursantii. Profesorii au posibilitatea de a-şi crea conturi in aplicatie, de a modifica datele personale, de a adauga certificate care atesta experinta profesionala şi de a gestiona materiile predate. In plus orice profesor logat in aplicatie, poate adauga poze, accepta/respinge cererile cursantilor si anula sedintele. Dupa ce profesorul accepta/respinge cererea sau anuleaza sedinta - sistemul o afiseaza cursantului cand se logheaza in ziua respectiva. Similar, cursantii au posibilitatea de a-si crea conturi in aplicatie, de a modifica datele personale si de a gestiona materiile preferate. In plus orice cursant logat in aplicatie, poate adauga poza de profil, trimite cereri catre profesori si anula sedintele stabilite anterior. Dupa ce cursantul trimite o cerere sau anuleaza o sedinta – sistemul o afiseaza profesorului cand se logheaza in ziua respectiva. Dupa terminarea pregatirii (meditatiilor) cu un profesor, orice cursant poate sa completeze o recenzie cu date despre modul in care s-au desfasurat sedintele, daca recomanda profesorul si altor cursanti si ce nota ii acorda. Profesorul poate cere aplicatiei sa listeze la imprimanta recenziile primite.

II Diagrama UML



III Prezentarea soft-ului

1.Login.java

```
package emeditatii;
import java.awt.*;
import java.awt.event.*;
import java.io.BufferedReader;
import java.io.BufferedWriter;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;

import javax.swing.*;
public class Login extends JFrame implements ActionListener {


  public String usernameString;
   JPanel panel;
   JLabel user_label, password_label, message;
   JTextField userName_text;
   JPasswordField password_text;
   JButton login, cancel;
   Login() {
      Dimension dim = Toolkit.getDefaultToolkit().getScreenSize();
      this.setLocation(dim.width/3-this.getSize().width, dim.height/4-this.getSize().height/3);
      // Username Label
      user_label = new JLabel();
      user_label.setText("Username :");
      user_label.setFont(new Font("Courier", Font.BOLD,30));
      userName_text = new JTextField();
```

```
userName_text.setFont(new Font("Courier", Font.BOLD,20));
user_label.setHorizontalAlignment(SwingConstants.CENTER);
// Password Label
password_label = new JLabel();
password_label.setText("Password :");
password_text = new JPasswordField();
password_text.setFont(new Font("Courier", Font.BOLD,20));
password_label.setFont(new Font("Courier", Font.BOLD,30));
password_label.setHorizontalAlignment(SwingConstants.CENTER);
// Submit
login = new JButton("Login");
panel = new JPanel(new GridLayout (3, 2));
panel.add(user_label);
panel.add(userName_text);
panel.add(password_label);
panel.add(password_text);
message = new JLabel();
panel.add(login);
JButton register = new JButton("Register");
register.setBounds(50,100,95,30);
panel.add(register);
usernameString = userName_text.getText();
setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
// Adding the listeners to components..
login.addActionListener(this);
add(panel, BorderLayout.CENTER);
setTitle("EMeditatii");
setSize(450,350);
setVisible(true);
ImageIcon img = new ImageIcon("E:\\education.png");
setIconImage(img.getImage());

setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

register.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent ae) {
    dispose();
        new RegisterFrame();
}
});

login.addActionListener(new ActionListener() {
public void actionPerformed(ActionEvent ae) {
  String savedUseString=userName_text.getText();
  String savedpaString=password_text.getText();

  try{
    if(isLoginValid(userName_text.getText(), password_text.getText())){
      BufferedWriter writer = new BufferedWriter(new
FileWriter("savedUsAndPass.txt", false));
            writer.write(savedUseString+","+savedpaString);
            writer.newLine();
            writer.close();
            JOptionPane.showMessageDialog(null, "Login successfully...");
            if(isProfessor(userName_text.getText())){
              dispose();

              new TeacherFrame();
            }
            else{
              dispose();
              new StudentFrame();


            }
          }else{
            JOptionPane.showMessageDialog(null, "Username or password is incorrect!");
          }
          }catch(IOException ex){
            JOptionPane.showMessageDialog(null, ex.getMessage());
          }



       }

     });
    }
    public boolean isLoginValid(String username, String password) throws IOException {
     BufferedReader reader = new BufferedReader(new FileReader("Users.txt"));
     String line;
     while ((line = reader.readLine()) != null) {
       String[] fields = line.split(",");
       if (fields[0].equals(username) && fields[2].equals(password)) {
         reader.close();
         return true;
       }
     }
     reader.close();
     return false;
   }
   public boolean isProfessor(String username) throws IOException {
     BufferedReader reader = new BufferedReader(new FileReader("Users.txt"));
     String line;
     while ((line = reader.readLine()) != null) {
       String[] fields = line.split(",");
       if (fields[0].equals(username)) {
         reader.close();
```

```
        return Boolean.parseBoolean(fields[5]);
      }
    }
    reader.close();
    return false;
  }
   public static void main(String[] args) {
      new Login();
   }


   public void actionPerformed(ActionEvent ae) {

   }

}
```

2.RegisterFrame.Java

```
package emeditatii;
import java.awt.*;
import java.awt.event.*;
import java.io.BufferedReader;
import java.io.FileReader;
import java.io.IOException;
import javax.swing.*;
public class RegisterFrame extends JFrame implements ActionListener {
private final Container c;
private final JLabel title;
    private final JLabel name;
    private final JTextField tname;
    private final JLabel mno;
    private final JTextField tmno;
    private final JLabel gender;
    private final JRadioButton male;
    private final JRadioButton female;
    private final ButtonGroup gengp;
    private final JLabel add;
    private final JTextArea tadd;
    private final JCheckBox term;
    private final JButton sub;
    private final JButton reset;
    private final JTextArea tout;
    private final JLabel res;
    private final JTextArea resadd;
    private final JLabel password;
    private final JPasswordField tpassword;
    private final JCheckBox profesor;
    private final JButton profesorButon;

    public RegisterFrame() {
            ImageIcon img = new ImageIcon("E:\\education.png");
            setIconImage(img.getImage());
            setTitle("Registration Page");
            setBounds(300, 90, 900, 600);
            setDefaultCloseOperation(EXIT_ON_CLOSE);
            setResizable(false);

            c = getContentPane();
            c.setLayout(null);

            title = new JLabel("Registration Form");
            title.setFont(new Font("Serif", Font.BOLD, 30));
            title.setSize(300, 40);
            title.setLocation(300, 30);
            c.add(title);

            name = new JLabel("Username");
            name.setFont(new Font("Serif", Font.PLAIN, 20));
            name.setSize(100, 20);
            name.setLocation(100, 100);
            c.add(name);

            password = new JLabel("Password");
            password.setFont(new Font("Serif", Font.PLAIN, 20));
            password.setSize(200, 30);
            password.setLocation(100, 345);
            c.add(password);

            tname = new JTextField();
            tname.setFont(new Font("Serif", Font.PLAIN, 15));
            tname.setSize(190, 20);
            tname.setLocation(200, 100);
            c.add(tname);

            tpassword = new JPasswordField();
            tpassword.setFont(new Font("Serif", Font.PLAIN, 15));
            tpassword.setSize(190, 20);
            tpassword.setLocation(200, 350);
            c.add(tpassword);


            mno = new JLabel("Mobile");
            mno.setFont(new Font("Serif", Font.PLAIN, 20));
    mno.setSize(100, 20);
    mno.setLocation(100, 150);
    c.add(mno);

    tmno = new JTextField();
    tmno.setFont(new Font("Serif", Font.PLAIN, 15));
    tmno.setSize(190, 20);
    tmno.setLocation(200, 150);
    c.add(tmno);

    gender = new JLabel("Gender");
    gender.setFont(new Font("Serif", Font.PLAIN, 20));
    gender.setSize(100, 20);
    gender.setLocation(100, 200);
    c.add(gender);

    male = new JRadioButton("Male");
    male.setFont(new Font("Serif", Font.PLAIN, 15));
    male.setSelected(true);
    male.setSize(75, 20);
    male.setLocation(200, 200);
    c.add(male);

    female = new JRadioButton("Female");
    female.setFont(new Font("Serif", Font.PLAIN, 15));
    female.setSelected(false);
    female.setSize(80, 20);
    female.setLocation(275, 200);
    c.add(female);

    gengp = new ButtonGroup();
    gengp.add(male);
    gengp.add(female);

    add = new JLabel("Address");
    add.setFont(new Font("Serif", Font.PLAIN, 20));
    add.setSize(100, 20);
    add.setLocation(100, 300);
    c.add(add);

    tadd = new JTextArea();
    tadd.setFont(new Font("Serif", Font.PLAIN, 15));
    tadd.setSize(200, 75);
    tadd.setLocation(200, 300);
    tadd.setLineWrap(true);
    c.add(tadd);

    term = new JCheckBox("Accept Terms And Conditions.");
    term.setFont(new Font("Serif", Font.PLAIN, 15));
    term.setSize(250, 20);
    term.setLocation(150, 400);
    c.add(term);

    profesor = new JCheckBox("Professor");
    profesor.setFont(new Font("Serif", Font.PLAIN, 15));
    profesor.setSize(250, 20);
    profesor.setLocation(150, 380);
    c.add(profesor);

    sub = new JButton("Register");
    sub.setFont(new Font("DIALOG", Font.BOLD, 15));
    sub.setSize(100, 20);
    sub.setLocation(150, 450);
    sub.addActionListener((ActionListener) this);
    c.add(sub);

    reset = new JButton("Reset");
    reset.setFont(new Font("DIALOG", Font.BOLD, 15));
    reset.setSize(100, 20);
    reset.setLocation(300, 450);
    reset.addActionListener((ActionListener) this);
    c.add(reset);

    tout = new JTextArea();
    tout.setFont(new Font("Serif", Font.PLAIN, 15));
    tout.setSize(300, 400);
    tout.setLocation(500, 100);
    tout.setLineWrap(true);
    tout.setEditable(false);
    c.add(tout);

    res = new JLabel("");
    res.setFont(new Font("Serif", Font.PLAIN, 20));
    res.setSize(500, 25);
    res.setLocation(100, 500);
    c.add(res);

    resadd = new JTextArea();
    resadd.setFont(new Font("Serif", Font.PLAIN, 15));
    resadd.setSize(200, 75);
    resadd.setLocation(580, 175);
    resadd.setLineWrap(true);
    c.add(resadd);

    profesorButon = new JButton("Click here to go back!");
    profesorButon.setFont(new Font("DIALOG", Font.BOLD, 15));
    profesorButon.setSize(250, 20);
    profesorButon.setLocation(150, 425);
```

```
            profesorButon.addActionListener((ActionListener) this);
            c.add(profesorButon);

            setVisible(true);

            setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
            profesorButon.addActionListener(new ActionListener() {
                public void actionPerformed(ActionEvent ae) {
                dispose();
                new Login();
            }});

        }
    public boolean isUsernameAndEmailExists(String username, String email) throws
IOException {
        BufferedReader reader = new BufferedReader(new FileReader("Users.txt"));
        String line;
        while ((line = reader.readLine()) != null) {
            String[] fields = line.split(",");
            if (fields[0].equals(username) || fields[1].equals(email)) {
            reader.close();
            return true;
            }
        }
        reader.close();
        return false;
    }
   //--------------------method for selecting the disciplines for professors-----------------
    public String showDisciplineSelection() {
        String[] options = {"Computer Science", "Mathematics", "Physics"};
        JOptionPane pane = new JOptionPane(
            "Select a discipline:",
            JOptionPane.QUESTION_MESSAGE,
            JOptionPane.DEFAULT_OPTION,
            null,
            options,
            options[0]
        );
        JDialog dialog = pane.createDialog(null, "Discipline Selection");
        dialog.setAlwaysOnTop(true);
        dialog.setVisible(true);
        Object selectedValue = pane.getValue();
        return (String) selectedValue;
    }
    //--------------------------method to select the faculty the student is in-----------------
    public String showFacultySelection() {
        String[] options = {"Informatics", "Mathematics", "Informatics and Mathematics"};
        JOptionPane pane = new JOptionPane(
            "Select a Faculty:",
            JOptionPane.QUESTION_MESSAGE,
            JOptionPane.DEFAULT_OPTION,
            null,
            options,
            options[0]
        );
        JDialog dialog = pane.createDialog(null, "Discipline Selection");
        dialog.setAlwaysOnTop(true);
        dialog.setVisible(true);
        Object selectedValue = pane.getValue();
        return (String) selectedValue;
    }
    //--------------------------------------------------------------------------
    public void actionPerformed(ActionEvent e) {
        Boolean isCorrect=true;
        Validate valid= new Validate();
        String username = tname.getText();
        String emailAdress= tadd.getText();
        String password = tpassword.getText();
        String gender ="";
        String mobileNumber=tmno.getText();
        Boolean isProfessor=false;
        String discipline;
        String faculty;
        UserRegistration uRegistration = new UserRegistration();
        Professor newProfessor;
        Student newStudent;
        if (e.getSource() == sub) {
            if (term.isSelected()) {
                try{
                    try{
                        valid.validateUsername(username);
                    }catch(Exception exc){
                        JOptionPane.showMessageDialog(null, exc.getMessage());
                        tname.setText("");
                        res.setText("Registration failed, please try again!");
                        isCorrect=false;
                    }
                    try{
                        valid.validatePassword(password);
                    }catch(Exception exc){
                        JOptionPane.showMessageDialog(null, exc.getMessage());
                        tpassword.setText("");
                        res.setText("Registration failed, please try again!");
                        isCorrect=false;
                    }
                    try{
                        valid.validateEmail(emailAdress);
                    }catch(Exception exc){
```

```
                JOptionPane.showMessageDialog(null, exc.getMessage());
                tadd.setText("");
                res.setText("Registration failed, please try again!");
                isCorrect=false;
            }
            try{
                valid.validateMobileNumber(mobileNumber);
            }catch(Exception exc){
                JOptionPane.showMessageDialog(null, exc.getMessage());
                tmno.setText("");
                res.setText("Registration failed, please try again!");
                isCorrect=false;
            }

            if(isUsernameAndEmailExists(username, emailAdress) ){
                JOptionPane.showMessageDialog(null, "Username or Email already
exists");
                res.setText("Registration failed, please try again!");
            }else if(isCorrect){
                String data1;
                String data = "Name : " + tname.getText() + "\n"
                        + "Mobile : " + tmno.getText() + "\n";
                if (male.isSelected()){
                    data1 = "Gender : Male" + "\n";
                    gender="Male";
                }else{
                    data1 = "Gender : Female" + "\n";
                    gender="Female";
                }
                String data3 = "Address : " + tadd.getText() + "\n";
                String data4 = "Password : " + tpassword.getText();

                tout.setText(data + data1 + data3 + data4);
                tout.setEditable(false);



                try{
                    if(profesor.isSelected()){
                        isProfessor=true;
                        discipline=showDisciplineSelection();
                        newProfessor = new Professor(username, emailAdress, password,
gender, mobileNumber, isProfessor, discipline);
                        uRegistration.registerProfessor("Users.txt", newProfessor);
                    }else{
                        faculty=showFacultySelection();
                        newStudent = new Student(username, emailAdress, password, gender,
mobileNumber, isProfessor, faculty);
                        uRegistration.registerStudent("Users.txt", newStudent);
                    }
                    res.setText("Registration Successfully...");
                }catch(IOException ex){
                    JOptionPane.showMessageDialog(null, ex);
                    JOptionPane.showMessageDialog(null , "Users.txt cannot be oppend");

                }



            }
        }catch(IOException Exception){
            JOptionPane.showMessageDialog(null, Exception);
            JOptionPane.showMessageDialog(null , "Users.txt cannot be oppend");
        }
    }
    else {
        tout.setText("");
        resadd.setText("");
        res.setText("Please accept the terms & conditions...");
    }
}

else if (e.getSource() == reset) {
    String def = "";
tname.setText(def);
    tadd.setText(def);
    tmno.setText(def);
    res.setText(def);
    tout.setText(def);
    term.setSelected(false);
    resadd.setText(def);
}
}
}

class Registration {
    public static void main(String[] args) throws Exception
    {
        RegisterFrame f = new RegisterFrame();
    }
}
```

3.StudentFrame.java

```
        package emeditatii;
import java.awt.*;
import java.awt.event.*;
import java.io.BufferedReader;
import java.io.FileReader;
import java.io.IOException;

import javax.swing.*;
public class StudentFrame extends JFrame{
    private final JFrame frame;
    private final JPanel panel;
    private final JLabel nume;
    private final JLabel materie;
    private final JTextField tnume;
    private final JLabel titluCreeazaCerere;
    private final JLabel bunVenit;
    private final String materii[] =
    {
        "Geometry", "Automata Theory" , "Operating Sistems"
    };
    private final String ora[] =
    {
        "14","15","16","17","18" , "19"
    };
    private final String minute[] =
    {
        "00","30"
    };
    private final String loc[] =
    {
        "Sala 10" , "Sala 15","Sala 20" , "Sala 30"
    };
    private final String pret[] =
    {
        "100","120", "150"
    };
    private final JComboBox locBox;
    private final JComboBox pretBox;
    private final JComboBox oraBox;
    private final JComboBox minuteBox;
    private final JComboBox materiiBox;
    private final String dates[]
            = { "1", "2", "3", "4", "5",
                "6", "7", "8", "9", "10",
                "11", "12", "13", "14", "15",
                "16", "17", "18", "19", "20",
                "21", "22", "23", "24", "25",
                "26", "27", "28", "29", "30",
                "31" };
    private final String months[]
            = { "Jan", "Feb", "Mar", "Apr",
                "May", "Jun", "July", "Aug",
                "Sup", "Oct", "Nov", "Dec" };
    private final String years[]
            = { "2023" , "2024" , "2025" };
    private final JComboBox date;
    private final JComboBox month;
    private final JComboBox year;
    private final JLabel dataText;
    private final JLabel informatii;
    private final String listaSedinte[] = { " ", " ", " " };
    private final JList listaSed;
    private final JList listaRec;
    private final JLabel titluDatePersonale;
    private final JLabel numeHome;
    private final JLabel passwordHome;
    private final JLabel dataNasteriiHome;
    private final JLabel adresaHome;
    private final JLabel facultateHome;

    private final JLabel creeazaRecenzie;
    private final JLabel nota;
    private final JComboBox notaBox;
    private final String note[]
            = { "1" , "2" , "3", "4" , "5", "6", "7", "8", "9", "10" };
    private final JLabel materieRecenzie;
    private final JComboBox materieBox;
    private final JLabel recenzie;
    private final JTextArea trecenzie;
    private final JLabel trecenziileTale;
    private final JTextField homeNume;
    private final JTextField homePassword;
    private final JTextField homeDataNasterii;
    private final JTextField homeAdresa;
    private final JTextField homeFacultate;
    private final JLabel oraCreeazaCerere;
    private final JLabel locCreeazaCerere;
    private final JLabel pretCreeazaCerere;
    private final JButton trimiteRecenzie;
    private final String listaRecenzii[] = { "Recenzie 1" };
    StudentFrame()
    {
        Login lg = new Login();
        lg.hide();
        frame = new JFrame("Student Frame");
        panel = new JPanel();
        frame.getContentPane();
        bunVenit = new JLabel("Welcome, Student");
        bunVenit.setFont(new Font("Serif", Font.BOLD, 30));
        bunVenit.setSize(300, 40);
        bunVenit.setLocation(500, 200);
```

```
panel.add(bunVenit);

informatii = new JLabel("You are on the Student Page!");
informatii.setFont(new Font("Serif", Font.PLAIN, 30));
informatii.setSize(500, 40);
informatii.setLocation(380, 230);
panel.add(informatii);

JButton logOut = new JButton("Log Out");
Dimension size = logOut.getPreferredSize();
logOut.setBounds(1, 560, 150, 100);
panel.add(logOut);

JButton recenzii = new JButton("Your Reviews");
recenzii.setBounds(1, 460, 150, 100);
panel.add(recenzii);


JButton creeazaRecenzii = new JButton("Leave a Review");
creeazaRecenzii.setBounds(1, 360, 150, 100);
panel.add(creeazaRecenzii);

JButton sedinte = new JButton("Sessions");
sedinte.setBounds(1, 260, 150, 100);
panel.add(sedinte);

JButton creeazaCerere = new JButton("Create Request");
creeazaCerere.setBounds(1, 160, 150, 100);
panel.add(creeazaCerere);


JButton home = new JButton("Home");
home.setBounds(1, 0, 150, 160);
panel.add(home);



Dimension dimension = Toolkit.getDefaultToolkit().getScreenSize();
int x = (int) ((dimension.getWidth() - frame.getWidth()) / 5);
int y = (int) ((dimension.getHeight() - frame.getHeight()) / 6);
frame.setLocation(x, y);

panel.setLayout(null);
panel.setBorder(BorderFactory.createEmptyBorder(100, 10, 10, 10));
frame.setDefaultCloseOperation(WindowConstants.EXIT_ON_CLOSE);
frame.add(panel);
frame.setSize(1000, 700);
frame.setVisible(true);
```

```
ImageIcon img = new ImageIcon("E:\\education.png");
frame.setIconImage(img.getImage());
frame.setTitle("Student Page");

setVisible(true);
setDefaultCloseOperation(JFrame.HIDE_ON_CLOSE);
   logOut.addActionListener(new ActionListener() {
      public void actionPerformed(ActionEvent ae) {
      frame.setVisible(false);
      frame.dispose();
      new Login();
   }});


JButton stergeSedinta = new JButton("Delete");
stergeSedinta.setBounds(810, 590, 100, 40);
stergeSedinta.setFont(new Font("Sans", Font.BOLD, 20));
panel.add(stergeSedinta);

titluCreeazaCerere = new JLabel("Create Request");
titluCreeazaCerere.setFont(new Font("Serif", Font.BOLD, 30));
titluCreeazaCerere.setSize(500, 40);
titluCreeazaCerere.setLocation(470, 100);
panel.add(titluCreeazaCerere);

nume = new JLabel("Name:");
nume.setFont(new Font("Serif", Font.BOLD, 30));
nume.setSize(300, 40);
nume.setLocation(300, 190);
panel.add(nume);

materie = new JLabel("Discipline:");
materie.setFont(new Font("Serif", Font.BOLD, 30));
materie.setSize(300, 40);
materie.setLocation(300, 250);
panel.add(materie);

JButton send = new JButton("Send");
send.setBounds(610, 540, 100, 40);
send.setFont(new Font("Sans",Font.BOLD,20));
panel.add(send);

tnume = new JTextField();
tnume.setFont(new Font("Serif", Font.BOLD, 20));
tnume.setSize(300, 40);
tnume.setLocation(405, 195);
panel.add(tnume);

materiiBox = new JComboBox(materii);
```

```
materiiBox.setFont(new Font("Arial", Font.BOLD, 20));
materiiBox.setSize(275, 30);
materiiBox.setLocation(430, 260);
panel.add(materiiBox);

dataText = new JLabel("Date:");
dataText.setFont(new Font("Serif", Font.BOLD, 30));
dataText.setSize(300, 40);
dataText.setLocation(300, 310);
panel.add(dataText);

date = new JComboBox(dates);
date.setFont(new Font("Serif", Font.PLAIN, 15));
date.setSize(100, 30);
date.setLocation(400, 318);
panel.add(date);

month = new JComboBox(months);
month.setFont(new Font("Serif", Font.PLAIN, 15));
month.setSize(100, 30);
month.setLocation(505, 318);
panel.add(month);

year = new JComboBox(years);
year.setFont(new Font("Serif", Font.PLAIN, 15));
year.setSize(100, 30);
year.setLocation(610, 318);
panel.add(year);

listaSed = new JList<String>(listaSedinte);
listaSed.setFont(new Font("Serif", Font.PLAIN, 20));
listaSed.setSize(680, 500);
listaSed.setLocation(230, 50);
panel.add(listaSed);

titluDatePersonale = new JLabel("Personal data");
titluDatePersonale.setFont(new Font("Serif", Font.BOLD, 30));
titluDatePersonale.setSize(500, 40);
titluDatePersonale.setLocation(470, 100);
panel.add(titluDatePersonale);

numeHome = new JLabel("Username:");
numeHome.setFont(new Font("Serif", Font.BOLD, 30));
numeHome.setSize(300, 40);
numeHome.setLocation(300, 200);
panel.add(numeHome);

passwordHome = new JLabel("Password:");
passwordHome.setFont(new Font("Serif", Font.BOLD, 30));
passwordHome.setSize(300, 40);
passwordHome.setLocation(300, 250);
panel.add(passwordHome);

adresaHome = new JLabel("Mail Adress:");
adresaHome.setFont(new Font("Serif", Font.BOLD, 30));
adresaHome.setSize(300, 40);
adresaHome.setLocation(300, 350);
panel.add(adresaHome);

dataNasteriiHome = new JLabel("Gender:");
dataNasteriiHome.setFont(new Font("Serif", Font.BOLD, 30));
dataNasteriiHome.setSize(300, 40);
dataNasteriiHome.setLocation(300, 300);
panel.add(dataNasteriiHome);

facultateHome = new JLabel("Faculty:");
facultateHome.setFont(new Font("Serif", Font.BOLD, 30));
facultateHome.setSize(300, 40);
facultateHome.setLocation(300, 400);
panel.add(facultateHome);




creeazaRecenzie = new JLabel("Create Review");
creeazaRecenzie.setFont(new Font("Serif", Font.BOLD, 30));
creeazaRecenzie.setSize(500, 40);
creeazaRecenzie.setLocation(470, 100);
panel.add(creeazaRecenzie);

nota = new JLabel("Rating");
nota.setFont(new Font("Serif", Font.BOLD, 30));
nota.setSize(500, 40);
nota.setLocation(300, 200);
panel.add(nota);

notaBox = new JComboBox(note);
notaBox.setFont(new Font("Arial", Font.BOLD, 20));
notaBox.setSize(275, 30);
notaBox.setLocation(435, 208);
panel.add(notaBox);

materieRecenzie = new JLabel("Discipline");
materieRecenzie.setFont(new Font("Serif", Font.BOLD, 30));
materieRecenzie.setSize(500, 40);
materieRecenzie.setLocation(300, 250);
panel.add(materieRecenzie);
```

```
materieBox = new JComboBox(materii);
materieBox.setFont(new Font("Arial", Font.BOLD, 20));
materieBox.setSize(275, 30);
materieBox.setLocation(435, 258);
panel.add(materieBox);

recenzie = new JLabel("Your comment");
recenzie.setFont(new Font("Serif", Font.BOLD, 30));
recenzie.setSize(500, 40);
recenzie.setLocation(300, 300);
panel.add(recenzie);

trecenzie = new JTextArea();
trecenzie.setFont(new Font("Serif", Font.BOLD, 20));
trecenzie.setSize(550, 220);
trecenzie.setLocation(300, 350);
panel.add(trecenzie);

trecenziileTale = new JLabel("Your Reviews");
trecenziileTale.setFont(new Font("Serif", Font.BOLD, 30));
trecenziileTale.setSize(500, 40);
trecenziileTale.setLocation(470, 100);
panel.add(trecenziileTale);

homeNume = new JTextField();
homeNume.setFont(new Font("Serif", Font.BOLD, 20));
homeNume.setSize(250, 40);
homeNume.setLocation(490, 205);
panel.add(homeNume);
homeNume.setEnabled(false);

homePassword = new JTextField();
homePassword.setFont(new Font("Serif", Font.BOLD, 20));
homePassword.setSize(250, 40);
homePassword.setLocation(490, 255);
panel.add(homePassword);
homePassword.setEnabled(false);

homeDataNasterii = new JTextField();
homeDataNasterii.setFont(new Font("Serif", Font.BOLD, 20));
homeDataNasterii.setSize(250, 40);
homeDataNasterii.setLocation(490, 305);
panel.add(homeDataNasterii);
homeDataNasterii.setEnabled(false);

homeAdresa = new JTextField();
homeAdresa.setFont(new Font("Serif", Font.BOLD, 20));
homeAdresa.setSize(250, 40);
homeAdresa.setLocation(490, 355);
```

```
panel.add(homeAdresa);
homeAdresa.setEnabled(false);

homeFacultate = new JTextField();
homeFacultate.setFont(new Font("Serif", Font.BOLD, 20));
homeFacultate.setSize(250, 40);
homeFacultate.setLocation(490, 405);
panel.add(homeFacultate);
homeFacultate.setEnabled(false);

JButton modificaHome = new JButton("Modify Data");
modificaHome.setBounds(620, 470, 120, 30);
panel.add(modificaHome);

JButton salveazaButtonHome = new JButton("Save Data");
salveazaButtonHome.setBounds(500, 470, 120, 30);
panel.add(salveazaButtonHome);

oraCreeazaCerere = new JLabel("Time:");
oraCreeazaCerere.setFont(new Font("Serif", Font.BOLD, 30));
oraCreeazaCerere.setSize(300, 40);
oraCreeazaCerere.setLocation(300, 360);
panel.add(oraCreeazaCerere);

locCreeazaCerere = new JLabel("Place:");
locCreeazaCerere.setFont(new Font("Serif", Font.BOLD, 30));
locCreeazaCerere.setSize(300, 40);
locCreeazaCerere.setLocation(300, 410);
panel.add(locCreeazaCerere);

pretCreeazaCerere = new JLabel("Price:");
pretCreeazaCerere.setFont(new Font("Serif", Font.BOLD, 30));
pretCreeazaCerere.setSize(300, 40);
pretCreeazaCerere.setLocation(300, 460);
panel.add(pretCreeazaCerere);

oraBox = new JComboBox(ora);
oraBox.setFont(new Font("Arial", Font.BOLD, 20));
oraBox.setSize(70, 30);
oraBox.setLocation(430, 370);
panel.add(oraBox);

minuteBox = new JComboBox(minute);
minuteBox.setFont(new Font("Arial", Font.BOLD, 20));
minuteBox.setSize(70, 30);
minuteBox.setLocation(510, 370);
panel.add(minuteBox);

locBox = new JComboBox(loc);
```

```
locBox.setFont(new Font("Arial", Font.BOLD, 20));
locBox.setSize(180, 30);
locBox.setLocation(400, 420);
panel.add(locBox);

pretBox = new JComboBox(pret);
pretBox.setFont(new Font("Arial", Font.BOLD, 20));
pretBox.setSize(180, 30);
pretBox.setLocation(400, 470);
panel.add(pretBox);

trimiteRecenzie = new JButton("Send");
trimiteRecenzie.setBounds(730, 585, 120, 30);
panel.add(trimiteRecenzie);

trimiteRecenzie.addActionListener(new ActionListener() {
   public void actionPerformed(ActionEvent e) {
      String numeReviewer;
      String rating;
      String comment;
      String discipline;
      String username = new String();

      String line;
      BufferedReader reader;
      try {
         reader = new BufferedReader(new FileReader("savedUsAndPass.txt"));

      while ((line = reader.readLine()) != null) {
         String fields[]=line.split(",");
         username=fields[0];

      }
   }catch (IOException e1) {

      e1.printStackTrace();
   }
   numeReviewer=username;
   rating=(String)notaBox.getSelectedItem();
   comment=trecenzie.getText();
   discipline=(String)materieBox.getSelectedItem();
   Review review = new Review(numeReviewer, rating, comment, discipline);
   RegisterReviews rr = new RegisterReviews();
   try{
      rr.RegisterRev("Reviews.txt", review);
      JOptionPane.showMessageDialog(null, "Your review has been sent");
      trecenzie.setText("");
   }catch(IOException exc){
      exc.getMessage();
```

```
            }
        }
    });

    listaRec = new JList<String>(listaRecenzii);
    listaRec.setFont(new Font("Serif", Font.PLAIN, 15));
    listaRec.setSize(680, 350);
    listaRec.setLocation(230, 140);
    panel.add(listaRec);

    recenzii.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent e) {
            String username = new String();
            String line;
            BufferedReader reader;
            try {
                reader = new BufferedReader(new FileReader("savedUsAndPass.txt"));

            while ((line = reader.readLine()) != null) {
                String fields[]=line.split(",");
                username=fields[0];
            }
        }catch (IOException e1) {

            e1.printStackTrace();
        }
          int i=0;
            try{
                reader = new BufferedReader(new FileReader("Reviews.txt"));
                String[] split;
                while ((line = reader.readLine()) != null) {
                    split = line.split(",");
                    if(split[0].equals(username)){
                    listaRecenzii[i]=line;
                    i++;
                    }
                }
                }catch(IOException exc){
                    exc.getMessage();
                }
        }
    });
    home.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent e) {
            bunVenit.hide();
            informatii.hide();
            stergeSedinta.hide();
            materiiBox.hide();
            tnume.hide();
```

```
send.hide();
materie.hide();
nume.hide();
dataText.hide();
date.hide();
month.hide();
year.hide();
titluCreeazaCerere.hide();
listaSed.hide();
titluDatePersonale.show();
numeHome.show();
passwordHome.show();
adresaHome.show();
dataNasteriiHome.show();
facultateHome.show();
nota.hide();
notaBox.hide();
materieRecenzie.hide();
materieBox.hide();
recenzie.hide();
creeazaRecenzie.hide();
trecenzie.hide();
trecenziileTale.hide();
homeNume.show();
homePassword.show();
homeDataNasterii.show();
homeAdresa.show();
homeFacultate.show();
modificaHome.show();
salveazaButtonHome.show();
locCreeazaCerere.hide();
oraCreeazaCerere.hide();
pretCreeazaCerere.hide();
oraBox.hide();
minuteBox.hide();
locBox.hide();
pretBox.hide();
trimiteRecenzie.hide();
listaRec.hide();
String username = new String();
String password = new String();
String line;
BufferedReader reader;
try {
   reader = new BufferedReader(new FileReader("savedUsAndPass.txt"));

while ((line = reader.readLine()) != null) {
   String fields[]=line.split(",");
   username=fields[0];
```

```
                password=fields[1];
             }
          }catch (IOException e1) {

             e1.printStackTrace();
          }
    try {
       reader = new BufferedReader(new FileReader("Users.txt"));

       while ((line = reader.readLine()) != null) {
       String[] fields2 = line.split(",");
          if (fields2[0].equals(username) && fields2[2].equals(password)) {
             homeNume.setText(username);
             homePassword.setText(password);
             homeAdresa.setText(fields2[1]);
             homeDataNasterii.setText(fields2[3]);
             homeFacultate.setText(fields2[6]);
          }
       }
    }catch (IOException e1) {

       e1.printStackTrace();
    }
          }

       });
       modificaHome.addActionListener(new ActionListener() {
          public void actionPerformed(ActionEvent e) {
             homeNume.setEnabled(true);
             homePassword.setEnabled(true);
             homeAdresa.setEnabled(true);
             homeDataNasterii.setEnabled(true);
             homeFacultate.setEnabled(true);
          }
       });

       creeazaCerere.addActionListener(new ActionListener() {
          public void actionPerformed(ActionEvent e) {
             bunVenit.hide();
             informatii.hide();
             stergeSedinta.hide();
             materiiBox.show();
             tnume.show();
             send.show();
             materie.show();
             nume.show();
             dataText.show();
             date.show();
             month.show();
    year.show();
    titluCreeazaCerere.show();
    listaSed.hide();
    numeHome.hide();
    titluDatePersonale.hide();
    passwordHome.hide();
    adresaHome.hide();
    dataNasteriiHome.hide();
    facultateHome.hide();
    nota.hide();
    notaBox.hide();
    materieRecenzie.hide();
    materieBox.hide();
    recenzie.hide();
    creeazaRecenzie.hide();
    trecenzie.hide();
    trecenziileTale.hide();
    homeNume.hide();
    homePassword.hide();
    homeDataNasterii.hide();
    homeAdresa.hide();
    homeFacultate.hide();
    modificaHome.hide();
    salveazaButtonHome.hide();
    locCreeazaCerere.show();
    oraCreeazaCerere.show();
    pretCreeazaCerere.show();
    oraBox.show();
    minuteBox.show();
    locBox.show();
    pretBox.show();
    trimiteRecenzie.hide();
    listaRec.hide();
    String username = new String();
    String password = new String();
    String line;
    BufferedReader reader;
    try {
        reader = new BufferedReader(new FileReader("savedUsAndPass.txt"));

    while ((line = reader.readLine()) != null) {
        String fields[]=line.split(",");
        username=fields[0];
        password=fields[1];
    }
}catch (IOException e1) {

    e1.printStackTrace();
}
```

```
            tnume.setText(username);
            tnume.setEnabled(false);
            }
        });
        send.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                String name;
                String discipline;
                String date1;
                String time;
                String place;
                String price;
                Boolean isAccepted=false;
                name=tnume.getText();
                discipline=(String)materiiBox.getSelectedItem();
                date1=
(String)date.getSelectedItem()+"/"+(String)month.getSelectedItem()+"/"+(String)year.getS
electedItem();

time=(String)oraBox.getSelectedItem()+":"+(String)minuteBox.getSelectedItem();
                place=(String)locBox.getSelectedItem();
                price=(String)pretBox.getSelectedItem();
                Request req = new Request(name,discipline,date1,time,place,price,isAccepted);
                RegisterRequests rg = new RegisterRequests();
                try{
                    rg.registerRequest("Requests.txt",req);
                    JOptionPane.showMessageDialog(null, "Your request has been sent
succesfully");
                    tnume.setText("");
                }catch(IOException ee){
                    JOptionPane.showMessageDialog(null, ee);
                }
            }

        });

        sedinte.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                bunVenit.hide();
                informatii.hide();
                stergeSedinta.show();
                materiiBox.hide();
                tnume.hide();
                send.hide();
                materie.hide();
                nume.hide();
                dataText.hide();
                date.hide();
                month.hide();
                year.hide();
                titluCreeazaCerere.hide();
                numeHome.hide();
                listaSed.show();
                passwordHome.hide();
                adresaHome.hide();
                dataNasteriiHome.hide();
                facultateHome.hide();
                creeazaRecenzie.hide();
                nota.hide();
                notaBox.hide();
                materieRecenzie.hide();
                materieBox.hide();
                recenzie.hide();
                trecenzie.hide();
                trecenziileTale.hide();
                homeNume.hide();
                homePassword.hide();
                homeDataNasterii.hide();
                homeAdresa.hide();
                homeFacultate.hide();
                modificaHome.hide();
                salveazaButtonHome.hide();
                locCreeazaCerere.hide();
                oraCreeazaCerere.hide();
                pretCreeazaCerere.hide();
                oraBox.hide();
                minuteBox.hide();
                locBox.hide();
                pretBox.hide();
                trimiteRecenzie.hide();
                listaRec.hide();
                int i=0;
                try{
                    BufferedReader reader = new BufferedReader(new
FileReader("Sessions.txt"));
                    String line;
                    while ((line = reader.readLine()) != null) {
                        listaSedinte[i]=line;
                        i++;
                    }
                }catch(IOException exc){
            exc.getMessage();
        }
            }

        });

        creeazaRecenzii.addActionListener(new ActionListener() {
```

```
        public void actionPerformed(ActionEvent e) {
            bunVenit.hide();
            informatii.hide();
            stergeSedinta.hide();
            materiiBox.hide();
            tnume.hide();
            send.hide();
            materie.hide();
            nume.hide();
            dataText.hide();
            date.hide();
            month.hide();
            year.hide();
            titluCreeazaCerere.hide();
            numeHome.hide();
            listaSed.hide();
            passwordHome.hide();
            adresaHome.hide();
            dataNasteriiHome.hide();
            facultateHome.hide();
            creeazaRecenzie.show();
            nota.show();
            notaBox.show();
            materieRecenzie.show();
            materieBox.show();
            recenzie.show();
            trecenzie.show();
            trecenziileTale.hide();
            homeNume.hide();
            homePassword.hide();
            homeDataNasterii.hide();
            homeAdresa.hide();
            homeFacultate.hide();
            modificaHome.hide();
            salveazaButtonHome.hide();
            locCreeazaCerere.hide();
            oraCreeazaCerere.hide();
            pretCreeazaCerere.hide();
            oraBox.hide();
            minuteBox.hide();
            locBox.hide();
            pretBox.hide();
            trimiteRecenzie.show();
            listaRec.hide();
        }

    });

    recenzii.addActionListener(new ActionListener() {
```

```
    public void actionPerformed(ActionEvent e) {
        bunVenit.hide();
        informatii.hide();
        stergeSedinta.hide();
        materiiBox.hide();
        tnume.hide();
        send.hide();
        materie.hide();
        nume.hide();
        dataText.hide();
        date.hide();
        month.hide();
        year.hide();
        titluCreeazaCerere.hide();
        numeHome.hide();
        listaSed.hide();
        passwordHome.hide();
        adresaHome.hide();
        dataNasteriiHome.hide();
        facultateHome.hide();
        creeazaRecenzie.hide();
        nota.hide();
        notaBox.hide();
        materieRecenzie.hide();
        materieBox.hide();
        recenzie.hide();
        trecenzie.hide();
        trecenziileTale.show();
        homeNume.hide();
        homePassword.hide();
        homeDataNasterii.hide();
        homeAdresa.hide();
        homeFacultate.hide();
        modificaHome.hide();
        salveazaButtonHome.hide();
        locCreeazaCerere.hide();
        oraCreeazaCerere.hide();
        pretCreeazaCerere.hide();
        oraBox.hide();
        minuteBox.hide();
        locBox.hide();
        pretBox.hide();
        trimiteRecenzie.hide();
        listaRec.show();
    }

});

stergeSedinta.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent e) {

        }
    });


    JLabel label = new JLabel();
    label.setIcon(new ImageIcon("D:\\Ovidius\\Java Proiecte\\EMeditatii\\a.png"));
    Dimension size1 = label.getPreferredSize();
    label.setBounds(-800, 0, 1800, 800);
    panel.add(label);

    stergeSedinta.hide();
    materiiBox.hide();
    tnume.hide();
    send.hide();
    materie.hide();
    nume.hide();
    dataText.hide();
    date.hide();
    month.hide();
    year.hide();
    titluCreeazaCerere.hide();
    listaSed.hide();
    titluDatePersonale.hide();
    numeHome.hide();
    passwordHome.hide();
    adresaHome.hide();
    dataNasteriiHome.hide();
    facultateHome.hide();
    creeazaRecenzie.hide();
    nota.hide();
    notaBox.hide();
    materieRecenzie.hide();
    materieBox.hide();
    recenzie.hide();
    trecenzie.hide();
    trecenziileTale.hide();
    homeNume.hide();
    homePassword.hide();
    homeDataNasterii.hide();
    homeAdresa.hide();
    homeFacultate.hide();
    modificaHome.hide();
    salveazaButtonHome.hide();
    locCreeazaCerere.hide();
    oraCreeazaCerere.hide();
    pretCreeazaCerere.hide();
    oraBox.hide();
```

```
        minuteBox.hide();
        locBox.hide();
        pretBox.hide();
        trimiteRecenzie.hide();
        listaRec.hide();
    }

}
```

4.TeacherFrame.java

```
            package emeditatii;
import java.awt.*;
import java.awt.event.*;
import java.io.BufferedReader;
import java.io.File;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;
import java.io.PrintWriter;
import java.util.ArrayList;

import javax.swing.*;
public class TeacherFrame {
    private final JLabel imageLabel;
    private final JFrame frame;
    private final JPanel panel;
    private final JLabel nume;
    private final JLabel materie;
    private final JTextField tnume;
    private final JLabel titluCreeazaCerere;
    private final JLabel bunVenit;
    private final String materii[] =
    {

    };
    private final String ora[] =
    {
        "14","15","16","17","18"
    };
    private final String minute[] =
    {
        "00","30"
    };
    private final String loc[] =
    {
        "Sala 15","Sala 20"
};
private final String pret[] =
{
   "100","120"
};
private final JComboBox locBox;
private final JComboBox pretBox;
private final JComboBox oraBox;
private final JComboBox minuteBox;
private final JComboBox materiiBox;
private final String dates[]
      = { "1", "2", "3", "4", "5",
         "6", "7", "8", "9", "10",
         "11", "12", "13", "14", "15",
         "16", "17", "18", "19", "20",
         "21", "22", "23", "24", "25",
         "26", "27", "28", "29", "30",
         "31" };
private final String months[]
      = { "Jan", "Feb", "Mar", "Apr",
         "May", "Jun", "July", "Aug",
         "Sup", "Oct", "Nov", "Dec" };
private final String years[]
      = { "2023" , "2024" , "2025" };
private final String cereri[] ={" "," "," "};
private final JList<String> cereriList;
private final JComboBox date;
private final JComboBox month;
private final JComboBox year;
private final JLabel dataText;
private final JLabel informatii;
private final String listaSedinte[] = { " "," "," " };
private final JList<String> listaSed;
private final JList listaRec;
private final JLabel titluDatePersonale;
private final JLabel numeHome;
private final JLabel prenumeHome;
private final JLabel dataNasteriiHome;
private final JLabel adresaHome;
private final JLabel facultateHome;

private final JLabel creeazaRecenzie;
private final JLabel nota;
private final JComboBox notaBox;
private final String note[]
      = { "1" , "2" , "3", "4" , "5", "6", "7", "8", "9", "10" };
private final JLabel materieRecenzie;
private final JComboBox materieBox;
private final JLabel recenzie;
```

```
    private final JTextArea trecenzie;
    private final JLabel trecenziileTale;
    private final JTextField homeNume;
    private final JTextField homePrenume;
    private final JTextField homeDataNasterii;
    private final JTextField homeAdresa;
    private final JTextField homeFacultate;
    private final JLabel oraCreeazaCerere;
    private final JLabel locCreeazaCerere;
    private final JLabel pretCreeazaCerere;
    private final JButton trimiteRecenzie;
    private final String listaRecenzii[] = { "Recenzie 1" };
    private final JButton acceptaCereri;
    private final JButton nuAcceptaCereri;
    private final JButton modificaCereri;

    TeacherFrame()
    {

        frame = new JFrame("Teacher Frame");
        panel = new JPanel();
        frame.getContentPane();
        String defaultpath;
        imageLabel = new JLabel();
        ImageIcon image = new ImageIcon("defaultImage.png");
        imageLabel.setIcon(image);
        imageLabel.setSize(100, 100);
        imageLabel.setLocation(600,200);
        imageLabel.setBackground(Color.red);
        imageLabel.setCursor(Cursor.getPredefinedCursor(Cursor.HAND_CURSOR));
        imageLabel.setVisible(true);
        imageLabel.addMouseListener(new MouseAdapter() {
        @Override
        public void mouseClicked(MouseEvent e) {
            JFileChooser fileChooser = new JFileChooser();
            fileChooser.setCurrentDirectory(new File(System.getProperty("user.home")));
            int result = fileChooser.showOpenDialog(frame);
            if (result == JFileChooser.APPROVE_OPTION) {
                File selectedFile = fileChooser.getSelectedFile();
                imageLabel.setIcon(new ImageIcon(selectedFile.getAbsolutePath()));
            }
        }
});

        bunVenit = new JLabel("Welcome, Teacher! ");
        bunVenit.setFont(new Font("Serif", Font.BOLD, 30));
        bunVenit.setSize(300, 40);
        bunVenit.setLocation(500, 200);
        panel.add(bunVenit);
        informatii = new JLabel("You are on the Teachers page!");
        informatii.setFont(new Font("Serif", Font.PLAIN, 30));
        informatii.setSize(500, 40);
        informatii.setLocation(380, 230);
        panel.add(informatii);

        JButton logOut = new JButton("Log Out");
        Dimension size = logOut.getPreferredSize();
        logOut.setBounds(1, 460, 150, 200);
        panel.add(logOut);

        JButton recenzii = new JButton("Reviews");
        recenzii.setBounds(1, 360, 150, 100);
        panel.add(recenzii);

       recenzii.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent e) {
            String savedDiscipline= new String();
            String username = new String();
            String line;
            BufferedReader reader;
            try {
                reader = new BufferedReader(new FileReader("savedUsAndPass.txt"));

            while ((line = reader.readLine()) != null) {
                String fields[]=line.split(",");
                username=fields[0];
            }
        }catch (IOException e1) {

            e1.printStackTrace();
        }
        try{
            reader = new BufferedReader(new FileReader("Users.txt"));
            String[] split;
            while ((line = reader.readLine()) != null) {
                split = line.split(",");
                if(split[0].equals(username)){
                    savedDiscipline=split[6];
                }
            }
            }catch(IOException exc){
                exc.getMessage();
            }
          int i=0;
            try{
                reader = new BufferedReader(new FileReader("Reviews.txt"));
                String[] split;
```

```
                while ((line = reader.readLine()) != null) {
                    split = line.split(",");
                    if(split[3].equals(savedDiscipline)){
                    listaRecenzii[i]=line;
                    i++;
                    }
                }
                }catch(IOException exc){
                    exc.getMessage();
                }
        }
    });

        JButton sedinte = new JButton("Manage Sessions");
        sedinte.setBounds(1, 260, 150, 100);
        panel.add(sedinte);

        JButton creeazaCerere = new JButton("Manage Requests");
        creeazaCerere.setBounds(1, 160, 150, 100);
        panel.add(creeazaCerere);


        JButton home = new JButton("Home");
        home.setBounds(1, 0, 150, 160);
        panel.add(home);



        Dimension dimension = Toolkit.getDefaultToolkit().getScreenSize();
        int x = (int) ((dimension.getWidth() - frame.getWidth()) / 5);
        int y = (int) ((dimension.getHeight() - frame.getHeight()) / 6);
        frame.setLocation(x, y);

        panel.setLayout(null);
        panel.setBorder(BorderFactory.createEmptyBorder(100, 10, 10, 10));
        frame.setDefaultCloseOperation(WindowConstants.EXIT_ON_CLOSE);
        frame.add(panel);
        frame.setSize(1000, 700);
        frame.setVisible(true);

        ImageIcon img = new ImageIcon("E:\\education.png");
        frame.setIconImage(img.getImage());
        frame.setTitle("Teacher Page");




        JButton stergeSedinta = new JButton("Delete");
        stergeSedinta.setBounds(810, 590, 100, 40);
        stergeSedinta.setFont(new Font("Sans", Font.BOLD, 20));
        panel.add(stergeSedinta);

        stergeSedinta.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                String selectedRequest = listaSed.getSelectedValue();


                ArrayList<String> requests = new ArrayList<>();
                try (BufferedReader br = new BufferedReader(new FileReader("Sessions.txt")))
{
                String line;
                while ((line = br.readLine()) != null) {
                    requests.add(line);
                }
            } catch (IOException exc) {
                exc.printStackTrace();
            }


            int indexToRemove = -1;
            for (int i = 0; i < requests.size(); i++) {
                if (requests.get(i).equals(selectedRequest)) {
                    indexToRemove = i;
                    break;
                }
            }
            if (indexToRemove != -1) {
                requests.remove(indexToRemove);
            }
            try (PrintWriter writer = new PrintWriter(new FileWriter("Sessions.txt"))) {
                for (String request : requests) {
                    writer.println(request);
                }
            } catch (IOException exc) {
                exc.printStackTrace();
            }
            JOptionPane.showMessageDialog(null,"The Session has been deleted");


            DefaultListModel model = (DefaultListModel) cereriList.getModel();
            model.removeAllElements();
            for (String request : requests) {
                model.addElement(request);
            }
            }
        });
        titluCreeazaCerere = new JLabel("Creeaza Cerere");
        titluCreeazaCerere.setFont(new Font("Serif", Font.BOLD, 30));
        titluCreeazaCerere.setSize(500, 40);
        titluCreeazaCerere.setLocation(470, 100);
        panel.add(titluCreeazaCerere);

        nume = new JLabel("Name:");
        nume.setFont(new Font("Serif", Font.BOLD, 30));
        nume.setSize(300, 40);
        nume.setLocation(300, 190);
        panel.add(nume);

        materie = new JLabel("Materie:");
        materie.setFont(new Font("Serif", Font.BOLD, 30));
        materie.setSize(300, 40);
        materie.setLocation(300, 250);
        panel.add(materie);

        JButton send = new JButton("Send");
        send.setBounds(610, 540, 100, 40);
        send.setFont(new Font("Sans",Font.BOLD,20));
        panel.add(send);

        tnume = new JTextField();
        tnume.setFont(new Font("Serif", Font.BOLD, 20));
        tnume.setSize(300, 40);
        tnume.setLocation(405, 195);
        panel.add(tnume);

        materiiBox = new JComboBox(materii);
        materiiBox.setFont(new Font("Arial", Font.BOLD, 20));
        materiiBox.setSize(275, 30);
        materiiBox.setLocation(430, 260);
        panel.add(materiiBox);

        dataText = new JLabel("Data:");
        dataText.setFont(new Font("Serif", Font.BOLD, 30));
        dataText.setSize(300, 40);
        dataText.setLocation(300, 310);
        panel.add(dataText);

        date = new JComboBox(dates);
        date.setFont(new Font("Serif", Font.PLAIN, 15));
        date.setSize(100, 30);
        date.setLocation(400, 318);
        panel.add(date);

        month = new JComboBox(months);
        month.setFont(new Font("Serif", Font.PLAIN, 15));
        month.setSize(100, 30);
        month.setLocation(505, 318);
```

```
panel.add(month);

year = new JComboBox(years);
year.setFont(new Font("Serif", Font.PLAIN, 15));
year.setSize(100, 30);
year.setLocation(610, 318);
panel.add(year);

listaSed = new JList<String>(listaSedinte);
listaSed.setFont(new Font("Serif", Font.PLAIN, 20));
listaSed.setSize(680, 500);
listaSed.setLocation(230, 50);
panel.add(listaSed);

titluDatePersonale = new JLabel("Personal data");
titluDatePersonale.setFont(new Font("Serif", Font.BOLD, 30));
titluDatePersonale.setSize(500, 40);
titluDatePersonale.setLocation(470, 100);
panel.add(titluDatePersonale);

numeHome = new JLabel("Username:");
numeHome.setFont(new Font("Serif", Font.BOLD, 30));
numeHome.setSize(300, 40);
numeHome.setLocation(300, 200);
panel.add(numeHome);

prenumeHome = new JLabel("Password:");
prenumeHome.setFont(new Font("Serif", Font.BOLD, 30));
prenumeHome.setSize(300, 40);
prenumeHome.setLocation(300, 250);
panel.add(prenumeHome);

adresaHome = new JLabel("Mail Adress:");
adresaHome.setFont(new Font("Serif", Font.BOLD, 30));
adresaHome.setSize(300, 40);
adresaHome.setLocation(300, 350);
panel.add(adresaHome);

dataNasteriiHome = new JLabel("Gender:");
dataNasteriiHome.setFont(new Font("Serif", Font.BOLD, 30));
dataNasteriiHome.setSize(300, 40);
dataNasteriiHome.setLocation(300, 300);
panel.add(dataNasteriiHome);

facultateHome = new JLabel("Discipline:");
facultateHome.setFont(new Font("Serif", Font.BOLD, 30));
facultateHome.setSize(300, 40);
facultateHome.setLocation(300, 400);
panel.add(facultateHome);
```

```
creeazaRecenzie = new JLabel("Creeaza recenzie");
creeazaRecenzie.setFont(new Font("Serif", Font.BOLD, 30));
creeazaRecenzie.setSize(500, 40);
creeazaRecenzie.setLocation(470, 100);
panel.add(creeazaRecenzie);

nota = new JLabel("Nota");
nota.setFont(new Font("Serif", Font.BOLD, 30));
nota.setSize(500, 40);
nota.setLocation(300, 200);
panel.add(nota);

notaBox = new JComboBox(note);
notaBox.setFont(new Font("Arial", Font.BOLD, 20));
notaBox.setSize(275, 30);
notaBox.setLocation(390, 208);
panel.add(notaBox);

materieRecenzie = new JLabel("Materie");
materieRecenzie.setFont(new Font("Serif", Font.BOLD, 30));
materieRecenzie.setSize(500, 40);
materieRecenzie.setLocation(300, 250);
panel.add(materieRecenzie);

materieBox = new JComboBox(materii);
materieBox.setFont(new Font("Arial", Font.BOLD, 20));
materieBox.setSize(275, 30);
materieBox.setLocation(425, 258);
panel.add(materieBox);

recenzie = new JLabel("Recenzia dumneavostra");
recenzie.setFont(new Font("Serif", Font.BOLD, 30));
recenzie.setSize(500, 40);
recenzie.setLocation(300, 300);
panel.add(recenzie);

trecenzie = new JTextArea();
trecenzie.setFont(new Font("Serif", Font.BOLD, 20));
trecenzie.setSize(550, 220);
trecenzie.setLocation(300, 350);
panel.add(trecenzie);

trecenziileTale = new JLabel("Your Reviews");
trecenziileTale.setFont(new Font("Serif", Font.BOLD, 30));
trecenziileTale.setSize(500, 40);
trecenziileTale.setLocation(470, 100);
panel.add(trecenziileTale);


homeNume = new JTextField();
homeNume.setFont(new Font("Serif", Font.BOLD, 15));
homeNume.setSize(250, 40);
homeNume.setLocation(490, 205);
panel.add(homeNume);
homeNume.setEnabled(false);

homePrenume = new JTextField();
homePrenume.setFont(new Font("Serif", Font.BOLD, 15));
homePrenume.setSize(250, 40);
homePrenume.setLocation(490, 255);
panel.add(homePrenume);
homePrenume.setEnabled(false);

homeDataNasterii = new JTextField();
homeDataNasterii.setFont(new Font("Serif", Font.BOLD, 15));
homeDataNasterii.setSize(250, 40);
homeDataNasterii.setLocation(490, 305);
panel.add(homeDataNasterii);
homeDataNasterii.setEnabled(false);

homeAdresa = new JTextField();
homeAdresa.setFont(new Font("Serif", Font.BOLD, 15));
homeAdresa.setSize(250, 40);
homeAdresa.setLocation(490, 355);
panel.add(homeAdresa);
homeAdresa.setEnabled(false);

homeFacultate = new JTextField();
homeFacultate.setFont(new Font("Serif", Font.BOLD, 15));
homeFacultate.setSize(250, 40);
homeFacultate.setLocation(490, 405);
panel.add(homeFacultate);
homeFacultate.setEnabled(false);

JButton modificaHome = new JButton("Modify Data");
modificaHome.setBounds(620, 470, 120, 30);
panel.add(modificaHome);

JButton salveazaButtonHome = new JButton("Save Data");
salveazaButtonHome.setBounds(500, 470, 120, 30);
panel.add(salveazaButtonHome);

oraCreeazaCerere = new JLabel("Time:");
oraCreeazaCerere.setFont(new Font("Serif", Font.BOLD, 30));
oraCreeazaCerere.setSize(300, 40);
oraCreeazaCerere.setLocation(300, 360);
panel.add(oraCreeazaCerere);

locCreeazaCerere = new JLabel("Place:");
locCreeazaCerere.setFont(new Font("Serif", Font.BOLD, 30));
locCreeazaCerere.setSize(300, 40);
locCreeazaCerere.setLocation(300, 410);
panel.add(locCreeazaCerere);

pretCreeazaCerere = new JLabel("Price:");
pretCreeazaCerere.setFont(new Font("Serif", Font.BOLD, 30));
pretCreeazaCerere.setSize(300, 40);
pretCreeazaCerere.setLocation(300, 460);
panel.add(pretCreeazaCerere);

oraBox = new JComboBox(ora);
oraBox.setFont(new Font("Arial", Font.BOLD, 20));
oraBox.setSize(70, 30);
oraBox.setLocation(430, 370);
panel.add(oraBox);

minuteBox = new JComboBox(minute);
minuteBox.setFont(new Font("Arial", Font.BOLD, 20));
minuteBox.setSize(70, 30);
minuteBox.setLocation(510, 370);
panel.add(minuteBox);

locBox = new JComboBox(loc);
locBox.setFont(new Font("Arial", Font.BOLD, 20));
locBox.setSize(180, 30);
locBox.setLocation(400, 420);
panel.add(locBox);

pretBox = new JComboBox(pret);
pretBox.setFont(new Font("Arial", Font.BOLD, 20));
pretBox.setSize(180, 30);
pretBox.setLocation(400, 470);
panel.add(pretBox);

trimiteRecenzie = new JButton("Send");
trimiteRecenzie.setBounds(730, 585, 120, 30);
panel.add(trimiteRecenzie);

listaRec = new JList<String>(listaRecenzii);
listaRec.setFont(new Font("Serif", Font.PLAIN, 15));
listaRec.setSize(680, 350);
listaRec.setLocation(230, 140);
panel.add(listaRec);
```

```
cereriList = new JList<String>(cereri);
cereriList.setFont(new Font("Serif", Font.PLAIN, 20));
cereriList.setSize(680, 350);
cereriList.setLocation(230, 140);
panel.add(cereriList);

acceptaCereri = new JButton("Accept");
acceptaCereri.setBounds(450, 500, 120, 30);
panel.add(acceptaCereri);

nuAcceptaCereri = new JButton("Delete");
nuAcceptaCereri.setBounds(600, 500, 120, 30);
panel.add(nuAcceptaCereri);

modificaCereri = new JButton("Modify");
modificaCereri.setBounds(750, 500, 120, 30);
panel.add(modificaCereri);

home.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        acceptaCereri.hide();
        nuAcceptaCereri.hide();
        modificaCereri.hide();
        bunVenit.hide();
        informatii.hide();
        stergeSedinta.hide();
        materiiBox.hide();
        tnume.hide();
        send.hide();
        materie.hide();
        nume.hide();
        dataText.hide();
        date.hide();
        month.hide();
        year.hide();
        titluCreeazaCerere.hide();
        listaSed.hide();
        titluDatePersonale.show();
        numeHome.show();
        prenumeHome.show();
        adresaHome.show();
        dataNasteriiHome.show();
        facultateHome.show();
        nota.hide();
        notaBox.hide();
        materieRecenzie.hide();
        materieBox.hide();
        recenzie.hide();
```

```
                creeazaRecenzie.hide();
                trecenzie.hide();
                trecenziileTale.hide();
                homeNume.show();
                homePrenume.show();
                homeDataNasterii.show();
                homeAdresa.show();
                homeFacultate.show();
                modificaHome.show();
                salveazaButtonHome.show();
                locCreeazaCerere.hide();
                oraCreeazaCerere.hide();
                pretCreeazaCerere.hide();
                oraBox.hide();
                minuteBox.hide();
                locBox.hide();
                pretBox.hide();
                trimiteRecenzie.hide();
                listaRec.hide();
                cereriList.hide();
                imageLabel.show();
                String username = new String();
                String password = new String();
                String line;
                BufferedReader reader;
                try {
                    reader = new BufferedReader(new FileReader("savedUsAndPass.txt"));

                while ((line = reader.readLine()) != null) {
                    String fields[]=line.split(",");
                    username=fields[0];
                    password=fields[1];
                }
            }catch (IOException e1) {

                e1.printStackTrace();
            }
    try {
        reader = new BufferedReader(new FileReader("Users.txt"));

        while ((line = reader.readLine()) != null) {
        String[] fields2 = line.split(",");
            if (fields2[0].equals(username) && fields2[2].equals(password)) {
                homeNume.setText(username);
                homePrenume.setText(password);
                homeAdresa.setText(fields2[1]);
                homeDataNasterii.setText(fields2[3]);
                homeFacultate.setText(fields2[6]);
            }
        }
    }catch (IOException e1) {

        e1.printStackTrace();
    }
}
    });
    modificaHome.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent e) {
            homeNume.setEnabled(true);
            homePrenume.setEnabled(true);
            homeAdresa.setEnabled(true);
            homeDataNasterii.setEnabled(true);
            homeFacultate.setEnabled(true);
        }
    });


        creeazaCerere.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                bunVenit.hide();
                informatii.hide();
                stergeSedinta.hide();
                materiiBox.hide();
                tnume.hide();
                send.hide();
                materie.hide();
                nume.hide();
                dataText.hide();
                date.hide();
                month.hide();
                year.hide();
                titluCreeazaCerere.hide();
                listaSed.hide();
                numeHome.hide();
                titluDatePersonale.hide();
                prenumeHome.hide();
                adresaHome.hide();
                dataNasteriiHome.hide();
                facultateHome.hide();
                nota.hide();
                notaBox.hide();
                materieRecenzie.hide();
                materieBox.hide();
                recenzie.hide();
                creeazaRecenzie.hide();
                trecenzie.hide();
                trecenziileTale.hide();
                homeNume.hide();
            homePrenume.hide();
            homeDataNasterii.hide();
            homeAdresa.hide();
            homeFacultate.hide();
            modificaHome.hide();
            salveazaButtonHome.hide();
            locCreeazaCerere.hide();
            oraCreeazaCerere.hide();
            pretCreeazaCerere.hide();
            oraBox.hide();
            minuteBox.hide();
            locBox.hide();
            pretBox.hide();
            trimiteRecenzie.hide();
            listaRec.hide();
            cereriList.show();
            acceptaCereri.show();
            nuAcceptaCereri.show();
            modificaCereri.show();
            imageLabel.hide();
            String username = new String();
            String savedDiscipline = new String();
            String line;
            BufferedReader reader;
            try {
                reader = new BufferedReader(new FileReader("savedUsAndPass.txt"));

            while ((line = reader.readLine()) != null) {
                String fields[]=line.split(",");
                username=fields[0];
            }
        }catch (IOException e1) {

            e1.printStackTrace();
        }
    try {
        reader = new BufferedReader(new FileReader("Users.txt"));

        while ((line = reader.readLine()) != null) {
        String[] fields2 = line.split(",");
            if (fields2[0].equals(username)) {
                savedDiscipline=fields2[6];
            }
        }
    }catch (IOException e1) {

        e1.printStackTrace();
    }
    int i=0;
```

```
   try{
      reader = new BufferedReader(new FileReader("Requests.txt"));
      String[] split;
      while ((line = reader.readLine()) != null) {
         split = line.split(",");
         if(split[1].equals(savedDiscipline)){
         cereri[i]=line;
         i++;
         }
      }
      }catch(IOException exc){
         exc.getMessage();
      }
      }
   });
   modificaCereri.addActionListener(new ActionListener() {
      public void actionPerformed(ActionEvent e) {
        int selectedIndex = cereriList.getSelectedIndex();
        String selectedString = cereriList.getSelectedValue();
        if (selectedIndex != -1) {

         String Split[]= selectedString.split(",");
         Request selectedRequest = new
Request(Split[0],Split[1],Split[2],Split[3],Split[4],Split[5],Boolean.parseBoolean(Split[6]))
;


          String newPrice = JOptionPane.showInputDialog("Enter new price: ");
          selectedRequest.setPrice(newPrice);

          String newPlace = JOptionPane.showInputDialog("Enter new place: ");
          selectedRequest.setPlace(newPlace);

          String newDate = JOptionPane.showInputDialog("Enter new date: ");
          selectedRequest.setRequestDate(newDate);

          String newHour = JOptionPane.showInputDialog("Enter new hour: ");
          selectedRequest.setRequestHour(newHour);

        } else {
          JOptionPane.showMessageDialog(null, "No request selected!");
        }
      }
    });
   acceptaCereri.addActionListener(new ActionListener() {
      public void actionPerformed(ActionEvent e){

           int selectedIndex = cereriList.getSelectedIndex();
           String selectedString = cereriList.getSelectedValue();
```

```
                if (selectedIndex == -1) {
                  JOptionPane.showMessageDialog(null, "Please select a request.");
                  return;
                }
                String Split[]= selectedString.split(",");
                Request selectedRequest = new
Request(Split[0],Split[1],Split[2],Split[3],Split[4],Split[5],Boolean.parseBoolean(Split[6]))
;
                selectedRequest.setIsAccepted(true);
                JOptionPane.showMessageDialog(null, "The Request has been added to the
Sessions");
        try {
             RegisterRequests register = new RegisterRequests();
             register.registerRequest("Sessions.txt", selectedRequest);
             cereriList.remove(selectedIndex);


        } catch (IOException exc) {
            exc.printStackTrace();
        }

        ArrayList<String> requests = new ArrayList<>();
        try (BufferedReader br = new BufferedReader(new FileReader("Requests.txt"))) {
        String line;
        while ((line = br.readLine()) != null) {
            requests.add(line);
        }
    } catch (IOException exc) {
        exc.printStackTrace();
    }


    int indexToRemove = -1;
    for (int i = 0; i < requests.size(); i++) {
        if (requests.get(i).equals(selectedString)) {
            indexToRemove = i;
            break;
        }
    }


    if (indexToRemove != -1) {
        requests.remove(indexToRemove);
    }


    try (PrintWriter writer = new PrintWriter(new FileWriter("Requests.txt"))) {
        for (String request : requests) {
            writer.println(request);
        }
    } catch (IOException exc) {
        exc.printStackTrace();
    }


    DefaultListModel model = (DefaultListModel) cereriList.getModel();
    model.removeAllElements();
    for (String request : requests) {
        model.addElement(request);
    }

        }

    });
    nuAcceptaCereri.addActionListener(new ActionListener() {

        public void actionPerformed(ActionEvent e) {
        String selectedRequest = cereriList.getSelectedValue();


    ArrayList<String> requests = new ArrayList<>();
    try (BufferedReader br = new BufferedReader(new FileReader("Requests.txt"))) {
    String line;
    while ((line = br.readLine()) != null) {
        requests.add(line);
    }
} catch (IOException exc) {
    exc.printStackTrace();
}


int indexToRemove = -1;
for (int i = 0; i < requests.size(); i++) {
    if (requests.get(i).equals(selectedRequest)) {
        indexToRemove = i;
        break;
    }
}


if (indexToRemove != -1) {
    requests.remove(indexToRemove);
}


try (PrintWriter writer = new PrintWriter(new FileWriter("Requests.txt"))) {
    for (String request : requests) {
        writer.println(request);
        JOptionPane.showMessageDialog(null,"The request has been deleted");
    }
} catch (IOException exc) {
    exc.printStackTrace();
}


DefaultListModel model = (DefaultListModel) cereriList.getModel();
model.removeAllElements();
for (String request : requests) {
    model.addElement(request);
}
        }
    });

        sedinte.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                bunVenit.hide();
                informatii.hide();
                stergeSedinta.show();
                materiiBox.hide();
                tnume.hide();
                send.hide();
                materie.hide();
                nume.hide();
                dataText.hide();
                date.hide();
                month.hide();
                year.hide();
                titluCreeazaCerere.hide();
                numeHome.hide();
                listaSed.show();
                prenumeHome.hide();
                adresaHome.hide();
                dataNasteriiHome.hide();
                facultateHome.hide();
                creeazaRecenzie.hide();
                nota.hide();
                notaBox.hide();
                materieRecenzie.hide();
                materieBox.hide();
                recenzie.hide();
                trecenzie.hide();
                trecenziileTale.hide();
                homeNume.hide();
                homePrenume.hide();
                homeDataNasterii.hide();
                homeAdresa.hide();
                homeFacultate.hide();
                modificaHome.hide();
                salveazaButtonHome.hide();
                locCreeazaCerere.hide();
                oraCreeazaCerere.hide();
                pretCreeazaCerere.hide();
                oraBox.hide();
                minuteBox.hide();
                locBox.hide();
                pretBox.hide();
                trimiteRecenzie.hide();
                listaRec.hide();
                cereriList.hide();
                acceptaCereri.hide();
                nuAcceptaCereri.hide();
                modificaCereri.hide();
                imageLabel.hide();
                int i=0;
                try{
                  BufferedReader reader = new BufferedReader(new
FileReader("Sessions.txt"));
                  String line;
                  while ((line = reader.readLine()) != null) {
                    listaSedinte[i]=line;
                    i++;
                  }
                }catch(IOException exc){
            exc.getMessage();
        }
            }

        });
        stergeSedinta.addActionListener(new ActionListener() {

            public void actionPerformed(ActionEvent e) {
            String selectedRequest = listaSed.getSelectedValue();


        ArrayList<String> requests = new ArrayList<>();
        try (BufferedReader br = new BufferedReader(new FileReader("Sessions.txt"))) {
        String line;
        while ((line = br.readLine()) != null) {
            requests.add(line);
        }
    } catch (IOException exc) {
        exc.printStackTrace();
    }


    int indexToRemove = -1;
```

```
for (int i = 0; i < requests.size(); i++) {
    if (requests.get(i).equals(selectedRequest)) {
        indexToRemove = i;
        break;
    }
}


if (indexToRemove != -1) {
    requests.remove(indexToRemove);
}


try (PrintWriter writer = new PrintWriter(new FileWriter("Sessions.txt"))) {
    for (String request : requests) {
        writer.println(request);
        JOptionPane.showMessageDialog(null,"The Session has been deleted");
    }
} catch (IOException exc) {
    exc.printStackTrace();
}


DefaultListModel model = (DefaultListModel) cereriList.getModel();
model.removeAllElements();
for (String request : requests) {
    model.addElement(request);
}
        }
    });

    recenzii.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent e) {
            bunVenit.hide();
            informatii.hide();
            stergeSedinta.hide();
            materiiBox.hide();
            tnume.hide();
            send.hide();
            materie.hide();
            nume.hide();
            dataText.hide();
            date.hide();
            month.hide();
            year.hide();
            titluCreeazaCerere.hide();
            numeHome.hide();
            listaSed.hide();
            prenumeHome.hide();
            adresaHome.hide();
            dataNasteriiHome.hide();
            facultateHome.hide();
            creeazaRecenzie.hide();
            nota.hide();
            notaBox.hide();
            materieRecenzie.hide();
            materieBox.hide();
            recenzie.hide();
            trecenzie.hide();
            trecenziileTale.show();
            homeNume.hide();
            homePrenume.hide();
            homeDataNasterii.hide();
            homeAdresa.hide();
            homeFacultate.hide();
                        modificaHome.hide();
            salveazaButtonHome.hide();
                        locCreeazaCerere.hide();
            oraCreeazaCerere.hide();
            pretCreeazaCerere.hide();
            oraBox.hide();
            minuteBox.hide();
            locBox.hide();
            pretBox.hide();
            trimiteRecenzie.hide();
            listaRec.show();
            cereriList.hide();
            acceptaCereri.hide();
            nuAcceptaCereri.hide();
            modificaCereri.hide();
            imageLabel.hide();
        }

    });

    frame.setVisible(true);
    frame.setDefaultCloseOperation(JFrame.HIDE_ON_CLOSE);
        logOut.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent ae) {
            frame.setVisible(false);
            frame.dispose();
            new Login();
        }});

    JLabel label = new JLabel();
    label.setIcon(new ImageIcon("D:\\Ovidius\\Java Proiecte\\EMeditatii\\a.png"));
    Dimension size1 = label.getPreferredSize();
    label.setBounds(-800, 0, 1800, 800);
```

```
        panel.add(label);

         stergeSedinta.hide();
        materiiBox.hide();
        tnume.hide();
        send.hide();
        materie.hide();
        nume.hide();
        dataText.hide();
        date.hide();
        month.hide();
        year.hide();
        titluCreeazaCerere.hide();
        listaSed.hide();
        titluDatePersonale.hide();
        numeHome.hide();
        prenumeHome.hide();
        adresaHome.hide();
        dataNasteriiHome.hide();
        facultateHome.hide();
        creeazaRecenzie.hide();
        nota.hide();
        notaBox.hide();
        materieRecenzie.hide();
        materieBox.hide();
        recenzie.hide();
        trecenzie.hide();
        trecenziileTale.hide();
        homeNume.hide();
        homePrenume.hide();
        homeDataNasterii.hide();
        homeAdresa.hide();
        homeFacultate.hide();
        modificaHome.hide();
        salveazaButtonHome.hide();
        locCreeazaCerere.hide();
        oraCreeazaCerere.hide();
        pretCreeazaCerere.hide();
        oraBox.hide();
        minuteBox.hide();
        locBox.hide();
        pretBox.hide();
        trimiteRecenzie.hide();
        listaRec.hide();
        cereriList.hide();
        acceptaCereri.hide();
        nuAcceptaCereri.hide();
        modificaCereri.hide();
    }
    public static void main(String[] args){
        TeacherFrame a = new TeacherFrame();

    }
}
```

5.Professor.java

```
package emeditatii;

public class Professor extends User {
    private String discipline;

    public Professor(String name, String email, String password, String gender, String
mobileNumber, boolean isProfessor, String discipline) {
        super(name, email, password, gender, mobileNumber, isProfessor);
        this.discipline = discipline;
    }

    public String getDiscipline() {
        return discipline;
    }

    public void setDiscipline(String discipline) {
        this.discipline = discipline;
    }
  }
```

6.Student.java

```
            package emeditatii;

public class Student extends User {
    private String faculty;

    public Student(String name, String email, String password, String gender, String
mobileNumber, boolean isProfessor, String faculty) {
        super(name, email, password, gender, mobileNumber, isProfessor);
        this.faculty = faculty;
    }

    public String getFaculty() {
        return faculty;
    }

    public void setFaculty(String faculty) {
      this.faculty = faculty;
    }
  }
```

7.Review.java

```
            package emeditatii;

public class Review {
    private String reviewerName;
    private String rating;
    private String comment;
    private String discipline;

    public Review(String reviewerName,String rating, String comment, String discipline) {
      this.reviewerName = reviewerName;
      this.rating = rating;
      this.comment = comment;
      this.discipline = discipline;
    }

    public String getReviewerName() {
      return reviewerName;
    }

    public void setReviewerName(String reviewerName) {
      this.reviewerName = reviewerName;
    }
    public String getRating() {
        return rating;
      }

      public void setRating(String rating) {
        this.rating = rating;
      }

    public String getComment() {
      return comment;
    }

    public void setComment(String comment) {
      this.comment = comment;
    }

    public String getDiscipline() {
      return discipline;
    }

    public void setDiscipline(String discipline) {
      this.discipline = discipline;
    }};
```

8.Request.java

```
package emeditatii;
import java.io.BufferedWriter;
import java.io.FileWriter;
import java.io.IOException;

public class RegisterRequests {

  public void registerRequest(String fileName, Request request) throws IOException {
    BufferedWriter writer = new BufferedWriter(new FileWriter(fileName, true));

writer.write(request.getRequesterName()+","+request.getDiscipline()+","+request.getRequ
estDate()+","+request.getRequestHour()+","+request.getPlace()+","+request.getPrice()+","
+request.getAccepted());
    writer.newLine();
    writer.close();
    }
}
```

9.User.java

```
            package emeditatii;
import java.io.BufferedReader;
import java.io.FileReader;
import java.io.IOException;
import java.text.ParseException;


public class User {
  private String name;
  private String email;
  private String password;
  private String gender;
  private String mobileNumber;
  private boolean isProfessor;

  public User(String name, String email, String password, String gender, String
mobileNumber, boolean isProfessor) {
    this.name = name;
    this.email = email;
    this.password = password;
    this.gender = gender;
    this.mobileNumber = mobileNumber;
    this.isProfessor = isProfessor;
  }

  public User(String fileName) throws IOException, ParseException {
    BufferedReader reader = new BufferedReader(new FileReader(fileName));
    this.name = reader.readLine();
    this.email = reader.readLine();
    this.password = reader.readLine();
    this.gender = reader.readLine();
    this.mobileNumber = reader.readLine();
    this.isProfessor = Boolean.parseBoolean(reader.readLine());
    reader.close();
    }
  public String getName() {
    return name;
  }

  public void setName(String name) {
    this.name = name;
  }

  public String getEmail() {
    return email;
  }

  public void setEmail(String email) {
    this.email = email;
  }

  public String getPassword() {
    return password;
  }

  public void setPassword(String password) {
    this.password = password;
  }

  public String getGender() {
    return gender;
  }

  public void setGender(String gender) {
    this.gender = gender;
  }

  public String getMobileNumber() {
    return mobileNumber;
  }

  public void setMobileNumber(String mobileNumber) {
    this.mobileNumber = mobileNumber;
  }

  public boolean isProfessor() {
    return isProfessor;
  }

  public void setProfessor(boolean professor) {
    isProfessor = professor;
  }
}
```

10.UserRegistration.java

```
            package emeditatii;
import java.io.BufferedWriter;
import java.io.FileWriter;
import java.io.IOException;

public class UserRegistration {

  public void registerProfessor(String fileName, Professor user) throws IOException {
    BufferedWriter writer = new BufferedWriter(new FileWriter(fileName, true));

writer.write(user.getName()+","+user.getEmail()+","+user.getPassword()+","+user.getGender()+","+user.getMobileNumber()+","+String.valueOf(user.isProfessor())+","+user.getDiscipline());
    writer.newLine();
    writer.close();
    }
    public void registerStudent(String fileName, Student user) throws IOException {
      BufferedWriter writer = new BufferedWriter(new FileWriter(fileName, true));

writer.write(user.getName()+","+user.getEmail()+","+user.getPassword()+","+user.getGender()+","+user.getMobileNumber()+","+String.valueOf(user.isProfessor())+","+user.getFaculty());
      writer.newLine();
      writer.close();
      }
}
```

11.Validate.java

```
package emeditatii;

import java.util.regex.Matcher;
import java.util.regex.Pattern;

public class Validate {
    public void validateUsername(String username) throws Exception {
        Pattern pattern = Pattern.compile("^[a-zA-Z]+\\.[a-zA-Z]+$");
        Matcher matcher = pattern.matcher(username);
        if (!matcher.matches()) {
        throw new Exception("Username must be in the format firstname.lastname");
        }
    }
    public void validateEmail(String email) throws Exception {
        Pattern pattern = Pattern.compile("^[a-zA-Z0-9_!#$%&'*+/=?`{|}~^.-
]+@(gmail\\.com|yahoo\\.com|365\\.univ-ovidius\\.ro)$");
        Matcher matcher = pattern.matcher(email);
        if (!matcher.matches()) {
            throw new Exception("Invalid email format. Must be gmail.com, yahoo.com, or
365.univ-ovidius.ro");
        }
    }
    public void validateMobileNumber(String mobileNumber) throws Exception {
        Pattern pattern = Pattern.compile("^07\\d{8}$");
        Matcher matcher = pattern.matcher(mobileNumber);
        if (!matcher.matches()) {
            throw new Exception("Invalid mobile number format. Must be 07xxxxxxxx");
        }
    }
    public void validatePassword(String password) throws Exception {
        // check if the password has at least 8 characters
        if (password.length() < 8) {
          throw new Exception("Password must have at least 8 characters");
        }

        // check if the password has at least one capital letter
        boolean hasCapitalLetter = false;
        for (int i = 0; i < password.length(); i++) {
```

```
     if (Character.isUpperCase(password.charAt(i))) {
       hasCapitalLetter = true;
       break;
     }
   }
   if (!hasCapitalLetter) {
     throw new Exception("Password must have at least one capital letter");
   }

   // check if the password has at least one digit
   boolean hasDigit = false;
   for (int i = 0; i < password.length(); i++) {
     if (Character.isDigit(password.charAt(i))) {
       hasDigit = true;
       break;
     }
   }
   if (!hasDigit) {
     throw new Exception("Password must have at least one digit");
   }
 }
}
```

12.RegisterRequests.java

```
      package emeditatii;
import java.io.BufferedWriter;
import java.io.FileWriter;
import java.io.IOException;

public class RegisterRequests {

  public void registerRequest(String fileName, Request request) throws IOException {
    BufferedWriter writer = new BufferedWriter(new FileWriter(fileName, true));

writer.write(request.getRequesterName()+","+request.getDiscipline()+","+request.getRequestDate()+","+request.getRequestHour()+","+request.getPlace()+","+request.getPrice()+","+request.getAccepted());
    writer.newLine();
    writer.close();
    }
}
```

13. RegisterReviews.java

```
package emeditatii;
```

```
import java.io.BufferedWriter;
import java.io.FileWriter;
import java.io.IOException;

public class RegisterReviews {
    public void RegisterRev(String fileName, Review review) throws IOException {
        BufferedWriter writer = new BufferedWriter(new FileWriter(fileName, true));

writer.write(review.getReviewerName()+","+review.getRating()+","+review.getComment(
)+","+review.getDiscipline());
        writer.newLine();
        writer.close();
        }
}
```

14.Users.txt

```
Ionut.Tufan,ionuttufan04@gmail.com,Paro1,Male,0723759798,false,Informatics
Alex.Tudor,alex.tudor11@gmail.com,dddaaawee,Male,07445422244,false
andrei.alex,andreialex@gmail.com,32312312,Male,3123412331,false
alex.alex,ionut.tufan@gmail.com,pasdadsa,Male,0723759798,false
ionel.alin,ionel.alin@gmail.com,asdadadas,Male,0799999999,false
ionel.alexandru,ionelionel.alex@gmail.com,sadsadas,Male,0733545955,false
ggg.tttt,dasas@yahoo.com,dasdasd,Male,0733244421,false
alexandru.bobe,alex.bobe@365.univ-ovidius.ro,parola,Male,0722333444,true,Geometry
Ionut.Ionel,adresa@gmail.com,[C@6f53e81e,Male,0744333222,true
username.name,fdsfsfsdf@gmail.com,Parolamea1,Female,0788666555,true
Ionut.tufan,tufan@gmail.com,Parola12!,Male,0799888777,true,Informatics and
Mathematics
alexa.andreea,alexa@gmail.com,Pewqeqw312!,Female,0722333444,false,Informatics
andrei.popescu,andrei@gmail.com,Parolamea1,Male,0766555444,true,Physics
alex.tudor,alexandru@gmail.com,Alex2003,Male,0739970798,false,Informatics
```

15.Requests.txt

```
Tufan Ionut,Matematica,4/May/2023,16:30,Sala 20,120,false
Tufan,Fizica,2/Apr/2023,14:30,Sala 15,100,false
Ionut.Tufan,Geometry,1/Jan/2023,14:00,Sala 10,100,false
```

16.Reviews.txt

```
Ionut.Tufan,10,i liked it a lot,Geometry
```

17.Sessions.txt

```
Ionut.Tufan,Geometry,1/Jan/2023,14:00,Sala 10,100,true
```

18.savedUsAndPass

```
Ionut.Tufan,Paro1
```

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