

JAVA PROJECT

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BRANCH : B.TECH

DEPARTMENT : INFORMATION TECHNOLOGY

PROJECT : FACULTY TRAINING MONITORING SYSTEM

SECTION : A

SUBJECT : OBJECT ORIENTED PROGRAMMING
LANGUAGE

CODING:

```
import java.awt.*;
```

```
import java.awt.event.*;
```

```
public class FacultyTrainingSystem extends Frame {
```

```
    private Label usernameLabel, passwordLabel;
```

```
    private TextField usernameField, passwordField;
```

```
    private Button submitButton;
```

```
    private Font largeFont;
```

```
    public FacultyTrainingSystem() {
```

```
super("Faculty Training Monitoring System");  
setLayout(null);  
setBackground(new Color(135, 206, 235));  
add(new Label("LOGIN TO CONTINUE")).setBounds(700, 310, 150, 20);
```

```
usernameLabel = new Label("Username:");  
usernameLabel.setBounds(590, 350, 80, 20);  
add(usernameLabel);
```

```
usernameField = new TextField(20);  
usernameField.setBounds(690, 350, 150, 20);  
add(usernameField);
```

```
passwordLabel = new Label("Password:");  
passwordLabel.setBounds(590, 380, 80, 20);  
add(passwordLabel);
```

```
passwordField = new TextField(20);  
passwordField.setBounds(690, 380, 150, 20);  
passwordField.setEchoChar('*');  
add(passwordField);
```

```
submitButton = new Button("Submit");  
submitButton.setBounds(680, 450, 80, 30);  
submitButton.addActionListener(new ActionListener() {  
    public void actionPerformed(ActionEvent e) {  
        String username = usernameField.getText();  
        String password = passwordField.getText();  
        System.out.println("Username: " + username);  
        System.out.println("Password: " + password);
```

```

        // Open the next page
        openNextPage(username, password);
    }
});

add(submitButton);

addWindowListener(new WindowAdapter() {
    public void windowClosing(WindowEvent e) {
        System.exit(0);
    }
});

setSize(1550, 1000);
setVisible(true);
}

private void openNextPage(String username, String password) {
    NextPage nextPage = new NextPage(username, password);
    nextPage.setVisible(true);
    dispose(); // Close the current page
}

public static void main(String[] args) {
    new FacultyTrainingSystem();
}
}

class NextPage extends Frame {
    private Label fnameLabel, lnameLabel, ageLabel, experienceLabel, phoneLabel, addressLabel,
    departmentLabel, dobLabel, genderLabel, companyLabel, stdateLabel, courseLabel, trainingLabel,
    QualiLabel, companynamLabel, enddateLabel;

```

```
private TextField lnameField, fnameField, ageField, experienceField, phoneField, addressField,
dobField, QualiField, trainingField, companynameField, courseField, stdateField, enddateField;
```

```
private Choice departmentChoice, companyChoice;
```

```
private CheckboxGroup genderGroup;
```

```
private Checkbox maleCheckbox, femaleCheckbox, otherCheckbox;
```

```
private Button submitButton;
```

```
private String username;
```

```
private String password;
```

```
public NextPage(String username, String password) {
```

```
    super("Faculty Management System");
```

```
    setLayout(null);
```

```
    setBackground(new Color(135, 206, 235));
```

```
    this.username = username;
```

```
    this.password = password;
```

```
    Font font = new Font("Arial", Font.PLAIN, 25);
```

```
Label label = new Label("FACULTY TRAINING DETAILS");
```

```
label.setBounds(550, 200, 500, 20);
```

```
label.setFont(font);
```

```
add(label);
```

```
fnameLabel = new Label("First Name:");
```

```
fnameLabel.setBounds(500, 250, 80, 20);
```

```
add(fnameLabel);
```

```
fnameField = new TextField(20);
```

```
fnameField.setBounds(700, 250, 150, 20);
```

```
add(fnameField);
```

```
lnameLabel = new Label("Last Name:");  
lnameLabel.setBounds(500, 280, 80, 20);  
add(lnameLabel);
```

```
lnameField = new TextField(20);  
lnameField.setBounds(700, 280, 150, 20);  
add(lnameField);
```

```
ageLabel = new Label("Age");  
ageLabel.setBounds(500, 310, 120, 20);  
add(ageLabel);
```

```
ageField = new TextField(20);  
ageField.setBounds(700, 310, 150, 20);  
add(ageField);
```

```
QualiLabel = new Label("Qualification:");  
QualiLabel.setBounds(500, 340, 110, 20);  
add(QualiLabel);
```

```
QualiField = new TextField(20);  
QualiField.setBounds(700, 340, 150, 20);  
add(QualiField);
```

```
dobLabel = new Label("Date of Birth:");  
dobLabel.setBounds(500, 370, 120, 20);  
add(dobLabel);
```

```
dobField = new TextField(20);  
dobField.setBounds(700, 370, 150, 20);
```

```
add(dobField);
```

```
phoneLabel = new Label("Mobile Number:");
```

```
phoneLabel.setBounds(500, 400, 110, 20);
```

```
add(phoneLabel);
```

```
phoneField = new TextField(20);
```

```
phoneField.setBounds(700, 400, 150, 20);
```

```
add(phoneField);
```

```
addressLabel = new Label("Address:");
```

```
addressLabel.setBounds(500, 430, 80, 20);
```

```
add(addressLabel);
```

```
addressField = new TextField(20);
```

```
addressField.setBounds(700, 430, 150, 20);
```

```
add(addressField);
```

```
departmentLabel = new Label("Department:");
```

```
departmentLabel.setBounds(500, 460, 110, 20);
```

```
add(departmentLabel);
```

```
departmentChoice = new Choice();
```

```
departmentChoice.setBounds(700, 460, 150, 20);
```

```
departmentChoice.add("IT");
```

```
departmentChoice.add("CSE");
```

```
departmentChoice.add("CSD");
```

```
departmentChoice.add("AIML");
```

```
departmentChoice.add("AIDS");
```

```
departmentChoice.add("EEE");
```

```
departmentChoice.add("ECE");
```

```
departmentChoice.add("EIE");  
add(departmentChoice);
```

```
genderLabel = new Label("Gender:");  
genderLabel.setBounds(500, 490, 80, 20);  
add(genderLabel);
```

```
genderGroup = new CheckboxGroup();  
maleCheckbox = new Checkbox("Male", genderGroup, true);  
maleCheckbox.setBounds(700, 490, 60, 20);  
add(maleCheckbox);
```

```
femaleCheckbox = new Checkbox("Female", genderGroup, false);  
femaleCheckbox.setBounds(800, 490, 70, 20);  
add(femaleCheckbox);
```

```
otherCheckbox = new Checkbox("Other", genderGroup, false);  
otherCheckbox.setBounds(900, 490, 60, 20);  
add(otherCheckbox);
```

```
trainingLabel = new Label("Number of training days:");  
trainingLabel.setBounds(500, 520, 140, 20);  
add(trainingLabel);
```

```
trainingField = new TextField(20);  
trainingField.setBounds(700, 520, 150, 20);  
add(trainingField);
```

```
companyLabel = new Label("Company Type:");  
companyLabel.setBounds(500, 550, 120, 20);  
add(companyLabel);
```

```
companyChoice = new Choice();  
companyChoice.setBounds(700, 550, 140, 20);  
companyChoice.add("Service Based");  
companyChoice.add("Product Based");  
add(companyChoice);
```

```
companynamelabel = new Label("Company Name:");  
companynamelabel.setBounds(500, 580, 110, 20);  
add(companynamelabel);
```

```
companynameField = new TextField(20);  
companynameField.setBounds(700, 580, 150, 20);  
add(companynameField);
```

```
startdateLabel = new Label("Starting Date:");  
startdateLabel.setBounds(500, 610, 80, 20);  
add(startdateLabel);
```

```
startdateField = new TextField(20);  
startdateField.setBounds(700, 610, 150, 20);  
add(startdateField);
```

```
enddateLabel = new Label("Ending Date:");  
enddateLabel.setBounds(500, 640, 80, 20);  
add(enddateLabel);
```

```
enddateField = new TextField(20);  
enddateField.setBounds(700, 640, 150, 20);  
add(enddateField);
```



```

courseLabel = new Label("Trained in (language):");
courseLabel.setBounds(500, 670, 150, 20);
add(courseLabel);

courseField = new TextField(20);
courseField.setBounds(700, 670, 150, 20);
add(courseField);

submitButton = new Button("Submit");
submitButton.setBounds(700, 710, 80, 30);
submitButton.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        String fname = fnameField.getText();
        String lname = lnameField.getText();
        String age = ageField.getText();
        String Quali = QualiField.getText();
        String dob = dobField.getText();
        String phone = phoneField.getText();
        String address = addressField.getText();
        String department = departmentChoice.getSelectedItem();
        String gender = genderGroup.getSelectedCheckbox().getLabel();
        String training = trainingField.getText();
        String company = companyChoice.getSelectedItem();
        String companyname = companynameField.getText();
        String stdate = stdateField.getText();
        String enddate = enddateField.getText();
        String course = courseField.getText();

        openThirdPage(username, password, fname, lname, age, Quali, dob, phone, address,
department, gender, training, company, companyname, stdate, enddate, course);
    }
}

```

```

});

add(submitButton);

addWindowListener(new WindowAdapter() {
    public void windowClosing(WindowEvent e) {
        System.exit(0);
    }
});

setSize(1550, 1000);
}

private void openThirdPage(String username, String password, String fname, String lname, String
age, String Quali, String dob, String phone, String address, String department, String gender, String
training, String company, String companyname, String stdate, String enddate, String course) {

    ThirdPage thirdPage = new ThirdPage(username, password, fname, lname, age, Quali, dob,
phone, address, department, gender, training, company, companyname, stdate, enddate, course);

    thirdPage.setVisible(true);

    dispose(); // Close the current page
}
}

class ThirdPage extends Frame {

    public ThirdPage(String username, String password, String fname, String lname, String age, String
Quali, String dob, String phone, String address, String department, String gender, String training,
String company, String companyname, String stdate, String enddate, String course) {

        super("Details");

        setSize(1400, 900);

        setBackground(new Color(135, 206, 235));

        Font font = new Font("Arial", Font.PLAIN, 25);

        Label label = new Label("FACULTY DETAILS");

        label.setBounds(500, 210, 300, 40);

```

```
label.setFont(font);
```

```
add(label);
```

```
add(new Label("Username:")).setBounds(500, 250, 100, 20);
```

```
add(new Label(username)).setBounds(700, 250, 150, 20);
```

```
add(new Label("Password:")).setBounds(500, 280, 100, 20);
```

```
add(new Label(password)).setBounds(700, 280, 150, 20);
```

```
add(new Label("First Name:")).setBounds(500, 310, 100, 20);
```

```
add(new Label(fname)).setBounds(700, 310, 150, 20);
```

```
add(new Label("Last name:")).setBounds(500, 340, 100, 20);
```

```
add(new Label(lname)).setBounds(700, 340, 150, 20);
```

```
add(new Label("Age:")).setBounds(500, 370, 100, 20);
```

```
add(new Label(age)).setBounds(700, 370, 150, 20);
```

```
add(new Label("Qualification:")).setBounds(500, 400, 100, 20);
```

```
add(new Label(Quali)).setBounds(700, 400, 150, 20);
```

```
add(new Label("Date of Birth:")).setBounds(500, 430, 100, 20);
```

```
add(new Label(dob)).setBounds(700, 430, 150, 20);
```

```
add(new Label("Phone number:")).setBounds(500, 460, 100, 20);
```

```
add(new Label(phone)).setBounds(700, 460, 150, 20);
```

```
add(new Label("Trained in (language): ")).setBounds(500, 490, 1000, 20);
```

```
add(new Label(course)).setBounds(700, 490, 150, 20);
```

```
add(new Label("Department:")).setBounds(500, 520, 100, 20);
```

```
add(new Label(department)).setBounds(700, 520, 150, 20);
```

```
add(new Label("Gender:")).setBounds(500, 550, 100, 20);
```

```
add(new Label(gender)).setBounds(700, 550, 150, 20);
```

```
add(new Label("Training Period(in days):")).setBounds(500, 580, 150, 20);
```

```
add(new Label(training)).setBounds(700, 580, 150, 20);
```

```
add(new Label("Company Sector:")).setBounds(500, 610, 100, 20);
```

```
add(new Label(company)).setBounds(700, 610, 150, 20);
```

```
add(new Label("Company Name:")).setBounds(500, 640, 100, 20);
```

```
add(new Label(companyname)).setBounds(700, 640, 150, 20);
```

```
add(new Label("Training start date:")).setBounds(500, 670, 100, 20);
```

```
add(new Label(stdate)).setBounds(700, 670, 150, 20);
```

```
add(new Label("Address:")).setBounds(500, 700, 100, 20);
```

```
add(new Label(address)).setBounds(700, 700, 150, 20);
```

```
add(new Label("Ending Date:")).setBounds(500, 700, 100, 20);
```

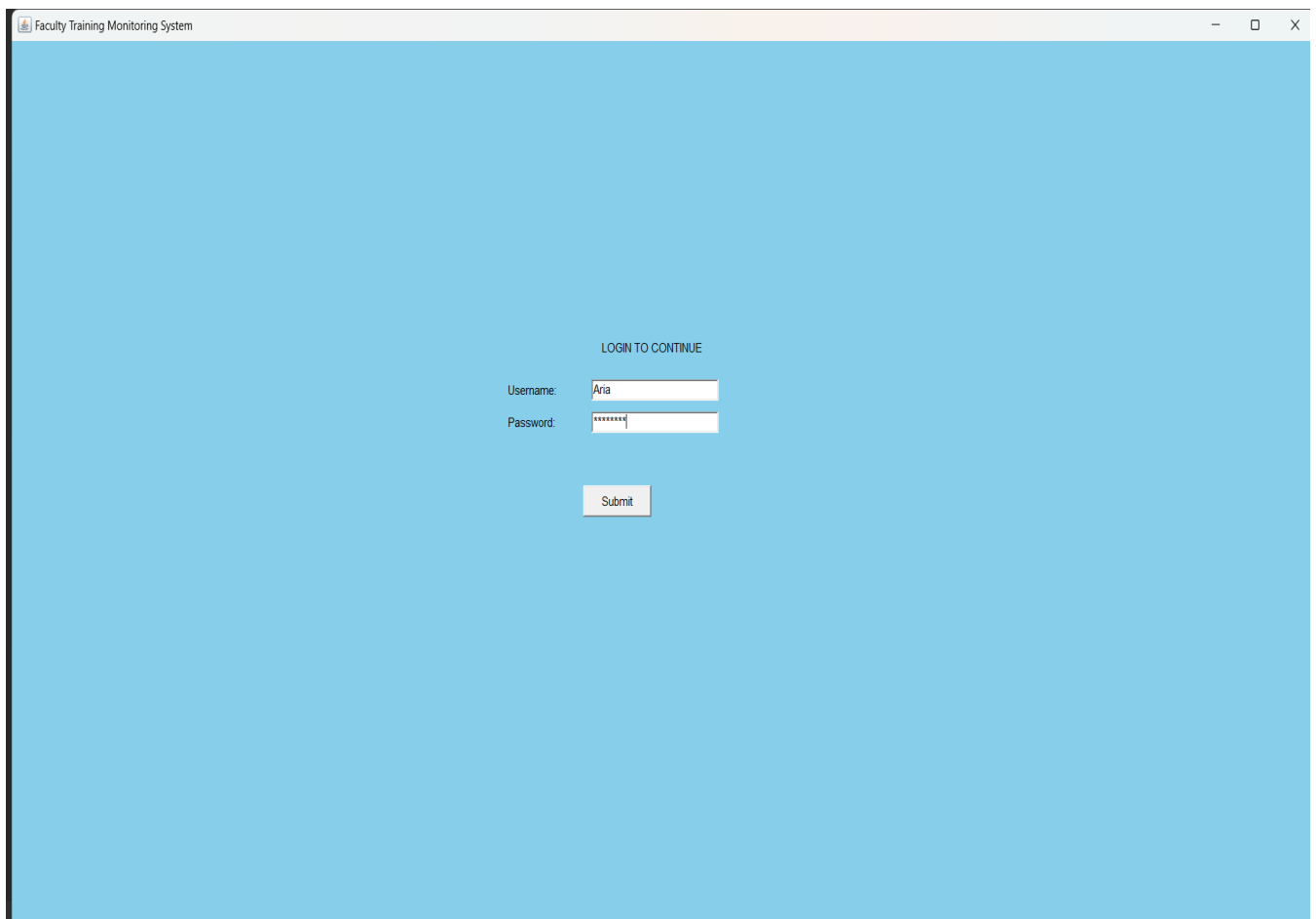
```
add(new Label(enddate)).setBounds(700, 700, 150, 20);
```

```
addWindowListener(new WindowAdapter() {  
    public void windowClosing(WindowEvent e) {  
        System.exit(0);  
    }  
});
```

```
        pack();  
        setLocationRelativeTo(null);  
    }  
}
```

OUTPUT:

->Login page:



The screenshot shows a web browser window with the title "Faculty Training Monitoring System". The page has a light blue background. In the center, there is a login form with the text "LOGIN TO CONTINUE" above it. The form contains two input fields: "Username:" with the value "Aria" and "Password:" with masked characters "*****". Below the input fields is a "Submit" button.

```
LOGIN TO CONTINUE
```

Username:	<input type="text" value="Aria"/>
Password:	<input type="password" value="*****"/>

->INPUT DETAILS OF TRAINING FOR FACULTY:

Faculty Management System

FACULTY TRAINING DETAILS

First Name:	<input type="text" value="Aria"/>
Last Name:	<input type="text" value="Vikneesh"/>
Age	<input type="text" value="30"/>
Qualification:	<input type="text" value="M.Tech"/>
Date of Birth:	<input type="text" value="17/3/1993"/>
Mobile Number:	<input type="text" value="1234567890"/>
Address:	<input type="text" value="5/55 P Indhra Nagar"/>
Department:	<input type="text" value="IT"/>
Gender:	<input checked="" type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Other
Number of training days:	<input type="text" value="7"/>
Company Type:	<input type="text" value="Service Based"/>
Company Name:	<input type="text" value="Kaar Technologies"/>
Starting Date:	<input type="text" value="22/7/2023"/>
Ending Date:	<input type="text" value="28/7/2023"/>
Trained in (language):	<input type="text" value="Python"/>
	<input type="button" value="Submit"/>

->DISPLAYING THE DETAILS:

Details

FACULTY DETAILS

Username:	Aria
Password:	Vikneesh
First Name:	Aria
Last name:	Vikneesh
Age:	30
Qualification:	B.Tech
Date of Birth:	17/3/1993
Phone number:	1234567890
Trained in (language):	Python
Department:	IT
Gender:	Male
Training Period(in days):	7
Company Sector:	Service Based
Company Name:	Kaar Technologies
Training start date:	22/7/2023
Address:	5/56 P Indhra Nagar