# ONLINE DANCE ACADAMY

A

Skill Oriented Course Web Application / Project report submitted in the partial fulfillment of the requirements for the award of the Degree of

#### **BACHELOR OF TECHNOLOGY**

In

**COMPUTER SCIENCE & ENGINEERING** 

By

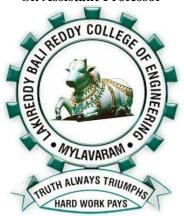
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Under the esteemed guidance of

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# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING LAKIREDDY

**BALIREDDY COLLEGE OF ENGINEERING** 

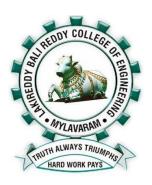
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# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

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# Department of COMPUTER SCIENCE & ENGINEERING



# **CERTIFICATE**

This is to certify that the Skill Oriented Course Web Application / Project entitled "Online Dance Acadamy" is being submitted by

# Shaik Rabiyabi Rizwana

22761A05B7

in partial fulfillment of the requirements for the award of degree of B.Tech in Computer Science & Engineering from Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by her at Lakireddy Bali Reddy College of Engineering (Autonomous).

The results embodied in this Skill Oriented Course Web Application / Project report have not been submitted to any other university or institute for the award of any degree or diploma.

PROJECT GUIDE Mr. N. SrinivasaRao HEAD OF THE DEPARTMENT Dr. D.Veeraiah

**EXTERNAL EXAMINER** 

## ACKNOWLEDGEMENT

I would like to thank **Mr. N. SrinivasaRao**, Sr. Assistant Professor, CSE department for the encouragement and support in carrying out this Skill Oriented Course Web Application / Project.

I also take the privilege to record my thanks to **Dr. D. Veeraiah**, Professor, Head of the Department of CSE whose encouragement, cooperation, and valuable support crown my success.

I express my thanks to the support given by management in completing my Web Application / Project. I also express my sincere gratitude & deep sense of respect to **Dr.K. Appa Rao**, Principal for making us available all the required assistance and his support and inspiration to carry out this Skill Oriented Course Web Application / Project in the Institute.

I am thankful to the teaching and non-teaching staff of CSE department for their direct as well as indirect help in my Skill Oriented Course Web Application / Project.

I am elated to avail myself to this opportunity to express my deep sense of gratitude to my parents.

Shaik Rabiyabi Rizwana (22761A05B7)

# **DECLARATION**

I am here to declare that the project entitled "Online Dance Acadamy" work done by me. I certify that the work contained in the report is original and has been done by me under the guidance of my supervisor. The work has not been submitted to any other institute in preparing for any degree or diploma. I have followed the guidelines provided by the institute in preparing the report. I have confirmed to the norms and guidelines given in the Ethical Code of Conduct of the Institute. Whenever I have used materials (data, theoretical analysis, figures and text) from other sources, I have given due credit to them by citing them in the text of the report and giving their details in the references. Further, I have taken permission from the copyright owner of the sources, whenever necessary.

Signature of the student: Sk. Rabiyabi Rizwana

Shaik Rabiyabi Rizwana (22761A05B7)

#### **ABSTRACT**

Welcome to the Dance Academy, an enchanting realm where the language of movement transcends boundaries, and the rhythm of passion orchestrates an exquisite symphony. Nestled at the heart of artistic expself-discovery, artistry, and community.

At Our Dance Academy, our mission is to provide a nurturing space for individuals of

all ages and backgrounds to explore the art of dance. Our world-class instructors, each a maestro in their own right, are committed to cultivating not just exceptional dancers but individuals who find joy, confidence, and a sense of belonging through the language of movement

.

Step into our studios, where the ambiance is charged with creativity, and each lesson becomes a canvas for personal expression. From the graceful poise of ballet to the pulsating beats of hip-hop, our classes cater to both beginners and seasoned dancers, fostering an environment where passion flourishes, and technique is honed with precision.

Beyond the dance floor, Dance Academy is a community—a family of artists, dreamers, and enthusiasts. Our events, performances, and collaborations weave a vibrant tapestry that celebrates diversity and the universal language that unites us all: dance. Whether you aspire to perform on grand stages or simply dance for the sheer joy of it, our academy is the stage where dreams take flight.

Join us in embracing the rhythm of life, where every movement tells a story, and each dancer is a storyteller. Discover the magic, refine your skills, and experience the unparalleled thrill of dance at Dance Academy. Let your journey into the world of dance begin—an odyssey where each step is a celebration, and every leap is an affirmation of the limitless possibilities within. Welcome to a world where the art of dance is not just taught; it is lived, breathed, and celebrated.

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# LIST OF ABBREVIATIONS

- 1. HTML-Hypertext Markup Language
- 2. CSS-Cascading Style Sheets
- 3. JS-JavaScript
- 4. JDBC Java Database Connectivity
- 5. JSP Java Server pages
- 6. XML- Extensible Markup Language
- 7. ODBC-Open Database Connectivity
- 8. SQL- Structured Query Language
- 9. API-Application Programming Interface
- 10. HTTP- Hypertext Transfer Protocol
- 11. URL-Uniform Resource Locator

# **INTRODUCTION**

Step into a world where movement becomes poetry, and rhythm transforms into a language of its own. Welcome to Dance Academy, a place where the art of dance is not just taught; it's crafted, celebrated, and lived. Our academy is more than a dance institution; it's a vibrant community where passion finds its rhythm, and every dancer discovers the unique cadence of their own journey.

At Dance Academy, we believe in the transformative power of dance. Whether you're taking your first steps into the world of dance or you're a seasoned performer, our academy is designed to be your sanctuary for self-expression and growth. Our dedicated instructors bring a wealth of experience and expertise, guiding you through a diverse range of dance styles that cater to all ages and skill levels.

Explore the elegance of classical ballet, embrace the energy of hip-hop, or lose yourself in the fluidity of contemporary dance. Each class is an invitation to unlock your potential, express your individuality, and join a community that shares your love for movement. Our commitment is not just to teach you to dance but to inspire a lifelong appreciation for the art, fostering a space where creativity thrives and friendships blossom.

As you navigate through our website, discover the array of classes, events, and performances that await you. Immerse yourself in the joy of dance, where every lesson is a step closer to unveiling the dancer within. Join us at Dance Academy and embark on a journey where passion meets purpose, where rhythm meets soul, and where every dance tells a story. Your adventure in the world of dance begins here—let's dance, let's dream, and let's create magic together. Welcome to Dance Academy!

# Feasability study:

#### 1. Technical Feasibility:

Evaluate the technical requirements for developing and maintaining the online dance academy website. This includes assessing factors such as:

- •Availability of necessary hardware and software infrastructure, such as servers, content management systems (CMS), and website development tools.
- •Compatibility with existing systems or platforms if any integration is required.
- •Technical expertise required for website development, maintenance, and ongoing updates.
- •Data security measures to protect user information, payment details (if applicable), and content.
- •Scalability of the website to accommodate increasing traffic and user demands.
- •Integration capabilities with other systems or platforms, such as payment gateways or social media channels for marketing and engagement.

#### 2. Operational Feasibility:

Examine whether the proposed online dance academy website can be effectively integrated into the existing workflow of managing dance classes and courses. Considerations include:

- •Ease of use for both administrators and users (students, instructors, etc.).
- •Training requirements for administrators, instructors, and technical support staff.
- •Impact on productivity and efficiency in managing class schedules, registrations, payments, and communication.
- •Stakeholder acceptance and willingness to adapt to an online learning environment.
- •Compatibility with various devices (desktops, laptops, tablets, smartphones) to ensure accessibility for users.

#### **3.Financial Feasibility:**

Analyze the costs associated with developing, launching, and maintaining the online dance academy website. This involves:

- •Initial investment costs for website development, including design, programming, and customization.
- •Procurement of necessary hardware and software, such as hosting services, domain registration, and payment processing systems.
- •Marketing and promotional expenses to attract students and instructors to the platform.
- •Ongoing operational costs, including website hosting fees, content updates, technical support, and staff salaries.

- •Projected revenue streams from course fees, subscriptions, merchandise sales, and potential partnerships.
- •Conduct a cost-benefit analysis to determine the return on investment (ROI) and whether the financial benefits outweigh the initial and ongoing expenses.

#### 4.Legal and Regulatory Feasibility:

Assess whether the online dance academy website complies with relevant laws, regulations, and industry standards governing online education and data management. Consider:

- •Compliance with data privacy laws (e.g., GDPR, COPPA) to protect user data and ensure confidentiality.
- •Intellectual property rights for course content, music, and choreography used on the website.
- •Terms of service, privacy policy, and user agreements to outline rights and responsibilities of users and the website owner.
- •Accessibility standards to ensure the website is usable by individuals with disabilities.
- •Legal considerations for contracts with instructors, vendors, and third-party service providers.

#### **5.**Schedule Feasibility:

Evaluate whether the online dance academy website can be developed, launched, and operational within a reasonable timeframe. Consider:

- •Setting realistic project timelines for each phase of development, including design, content creation, testing, and launch.
- •Identifying potential bottlenecks or challenges that may cause delays and developing strategies to mitigate risks.
- •Creating a comprehensive project plan with clear milestones, deadlines, and responsibilities assigned to team members.
- •Communicating regularly with stakeholders to provide updates on progress and address any concerns or issues that arise.

# **TECHNOLOGIES USED**

#### HTML:

HTML stands for Hypertext Markup Language, and it is the most widely used language to write Web Pages. Hypertext refers to the way in which Web pages (HTML documents) are linked together. Thus, the link available on a webpage is called Hypertext.

As its name suggests, HTML is a Markup Language which means you use HTML to simply "mark-up" a text document with tags that tell a Web browser how to structure it to display. Now, HTML is being widely used to format web pages with the help of different tags available in HTML language.

#### **HTML Document Structure:**

In its simplest form, following is an example of an HTML document:

```
<html>
<head>
<title>This is document file</title>
</head>
<body>

All body related tags are present here
</body>
</html>
```

# **HTML Text Formatting Tags:**

```
Bold Text tag:
```

<br/>br>...</br> Anything that appears within <br>....</br> element, is displayed in bold. Strong

Text tag: <strong>...</strong>

Anything that appears within <strong> ...</strong> element is displayed as important text. Italic Tag:<i>...</i>.

<i>tag is used to display the content in itali

#### **Emphasized Text tag:** <em>...</em>

Anything that appears within < em > ... < /em > element is displayed as emphasized text.

**Underline tag**:<u> ...</u>:

The HTML <u> tag is used to underline a text.

Marked Text tag: <mark>...</mark>

Anything that appears with-in <mark> ...</mark> element, is displayed as marked with yellow ink.

**Strike Text tag**: <strike>...</strike> or<del>...</del>

Anything that appears within <strike> ..</strike> or <del> ...</del> element is displayed with strikethrough, which is a thin line through the text

Computer Code tag: <code>...</code>

Any programming code to appear on a Web page should be placed inside <code>...</code> tags. Usually the content of the element is presented in a monospaced font, just like the code in most programming books.

**Short Quotations tag:** <q> ... </q>

The <q> ...</q> element is used when you want to add a double quote within a sentence

**Linking Documents:** <a>....</a> (Hyper Links)

A link is specified using HTML tag <a> . This tag is called anchor tag and anything between the opening <a> tag and the closing </a> tag becomes part of the link and a user can click that part to reach to the linked

document. Following is the simple syntax to use <a> tag.

#### **Syntax:**

<a hreaf="document URL".....attribute list>Link Txt</a>

Insert Image:<img>...</img> You can insert any image in your web page by using <img>tag.

Following is the simple syntax to use this

tag.

<img src="image URL".....attribute list/>

# **CSS**:

CSS is a language that describes the style of an HTML document. CSS describes how HTML elements should be displayed. CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes.

# **CSS Syntax:**

❖ A CSS rule-set consists of a selector and a declaration block:

```
h1 {color:blue;font-size:12px;}
```

# **Grouping Selectors:**

If you have elements with the same style definitions, like this:

```
h1
{
text-align: center;
color: red;
}
h2
{
text-align: center;
color: red;
}
p
{
text-align: center;
color: red;
}
```

A CSS comment starts with /\* and ends with \*/.

There are three ways of inserting a style sheet:

- **\*** External style sheet
- **❖** Internal style sheet
- Inline style

#### **Inline Styles:**

```
style="color: blue; margin-left: 30px;"
```

#### **Internal Style Sheet:**

#### <style>

Body

```
{
Background-color: : linen;
}
h1 {
color: maroon;
margin-left: 40px;
}
External Style Sheet:
link rel="stylesheet" type="text/css" href="mystyle.css">
```

# **JAVASCRIPT:**

JavaScript is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with objectoriented capabilities

- > Script means small piece of code.
- > Java script you can easily create interactive web pages.
- ➤ It is designed to add interactivity to HTML pages.
- > Scripting languages are two kinds one is client-side other one is servers-side scripting.

In general client-side scripting is used for verifying simple validation at client side, server-side scripting is used for database verifications. VBScript, java script and J script are examples for client-side scripting and ASP,JSP, servlets etc.are examples of server-side scripting.

Web pages are two types:

- 1.Static web page
- 2.Dynamic webpage
- > Static web page where there is no specific interaction with the client
- ➤ Dynamic web page which is having interactions with client and as well as validations can be added. Simple HTML script is called static web page, if you add script to HTML page it is called dynamic page.
- ➤ Java script code as written between <script> </script> tags.
- > Java script ignores white space
- ➤ Java script is case sensitive language
- > Script program can save as either. Js or. Html

#### The syntax of the script tag is as follows:

```
<script language=""scripting language name"">
</script>
```

The language attribute specifies the scripting language used in the script. Both Microsoft internet explorer and Netscape navigator use java script as the default scripting language. The script tag may be placed in either the head or the body or the body HTML document.

#### **EVENT HANDLING:**

- > Events are triggers that call one of your function.
- ➤ An event could be action Such as clicking on a button or placing your mouse over an image.

  for example we will use the onclick event for starting our form validation scripts, and the

on mouse overevent for creating graphics images that change when you place your cursor over them.

- 1. Scripts can respond to user inter actions
- 2. Change the page according i.e. add dynamism to the page
- 3.It makes web applications more responsive and user-friendly

#### **JAVASCRIPT Form Validation:**

It is important to validate the form submitted by the user because it can have inappropriate Values. So, validation is must to authenticate user. JavaScript provides facility to validate the form on the client-side so data processing will be faster than server-side validation. Most of the web developers prefer JavaScript form validation. Through JavaScript, we can validate name, password, email, date, mobile numbers and more fields.

## **JDBC:**

#### JDBC Driver:-

JDBC Driver is a software component that enables java application to interact with the database. There are 4

types of JDBC drivers:

- 1. JDBC-ODBC bridge driver
- 2. Native-API driver (partially java driver)
- 3. Network Protocol driver (fully java driver)
- 4. Thin driver (fully java driver)

JDBC is a Java API that is used to connect and execute the query to the database. JDBC API uses JDBC drivers to connect to the database. JDBC API can be used to access tabular data stored into any relational database.

# Java Database Connectivity with 6 Steps:

There are 6 stepsto connect any java application with the database using JDBC.

These steps are as follows:

- •Importing JDBC package
- Load/Register the Driver class
- Establish the connection
- Create statement o Execute queries
- Close connection

#### **Importing JDBC Package:**

Syntax:

import java.sql.\*;

#### **Loading/Registering the driver class:**

Class.forName("oracle.jdbc.driver.OracleDriver");

## **Registering:**

Oracle.jdbc.driver.OracleDriver od=new oracle.jdbc.driver.OracleDriver();

DriverManager.registerDriver(od);

## **Establishing the connection:**

Connection

con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","password");

#### **Creating the statement:**

Statement stmt=con.createStatement();

#### **Executing the queries:**

```
ResultSet rs=stmt.executeQuery("select * from emp");
while(rs.next())
{
System.out.println(rs.getInt(1)+" "+rs.getString(2));
}
```

# **Closing connection:**

By closing connection, object statement and ResultSet will be closed automatically. The close() method of

Connection interface is used to close the connection.

Syntax of close() method is given below.

public void close()throws SQLException

Consider the following example to close the connection.

con.close();

# **Servlets:**

Servlet technology is used to create web application (resides at server side and generates dynamic web page).

#### **Servlet API:**

- The javax.servlet and javax.servlet.http packagesrepresent interfaces and classes for servlet API.
- The javax.servlet package contains many interfaces and classes that are used by the servlet or web container. These are not specific to any protocol.

Steps to create a servlet example

There are given 6 stepsto create a servlet example. These steps are required for all the servers.

The servlet example can be created by three ways:

- 1. By implementing Servlet interface,
- 2. By inheriting GenericServlet class, (or)
- 3. By inheriting HttpServlet class

Here, we are going to use apache tomcat server in this example. The steps are as follows:

- 1. Create a directory structure
- 2. Create a Servlet
- 3. Compile the Servlet
- 4. Create a deployment descriptor
- 5. Start the server and deploy the project
- 6. Access the servle

#### **Methods of GenericServlet class:**

There are many methods in GenericServlet class. Some of them are given below.

- 1. public void init(ServletConfig config) is used to initialize the servlet.
- 2. public abstract void service(ServletRequest request, ServletResponse response) provides service for the incoming request. It is invoked at each time when user requests for a servlet.
- 3. public void destroy() is invoked only once throughout the life cycle and indicates that servlet is being destroyed.0
- 4. public ServletConfig getServletConfig() returns the object of ServletConfig.
- 5. public String getServletInfo() returns information about servlet such as writer, copyright, version etc.
- 6. public void init() it is a convenient method for the servlet programmers, now there is no need to call super.init(config)

#### **HttpServlet class:**

The HttpServlet class extends the GenericServlet class and implements Serializable interface. It provides http specific methods such as doGet, doPost, doHead etc.

#### **Methods of HttpServlet class:**

There are many methods in HttpServlet class. Some of them are given below:

- 1. public void service(ServletRequest req,ServletResponse res) dispatches the request to the protected service method by converting the request and response object into http type.
- 2. protected void service(HttpServletRequest req, HttpServletResponse res) receives the request from the service method, and dispatches the request to the doXXX() method depending on the incoming http request type.
- 3. protected void doGet(HttpServletRequest req, HttpServletResponse res) handles the GET request. It is invoked by the web container.
- 4. protected void doPost(HttpServletRequest req, HttpServletResponse res) handles the POST request. It is invoked by the web container.
- 5. protected void doHead(HttpServletRequest req, HttpServletResponse res) handles the HEAD request. It is invoked by the web container.

### **RequestDispatcher in Servlet:**

The RequestDispatcher interface provides the facility of dispatching the request to another resource it may be html, servlet or jsp. This interface can also be used to include the content of another resource also. It is one of the way of servlet collaboration.

public void forward(ServletRequest request,ServletResponse response)throws ServletException, java.io.IOException

public void include(ServletRequest request,ServletResponse response)throws ServletException, java.io.IOException

Example of using getRequestDispatcher method

RequestDispatcher rd=request.getRequestDispatcher("myservlet");

//myservlet is the url-pattern of the servlet

rd.forward(request, response);//method may be include or forward

#### **Cookies in Servlet:**

Types of Cookie There are 2 types of cookies in servlets.

- 1. Non-persistent cookie
- 2. Persistent cookie

#### Non-persistent cookie:

It is valid for single session only. It is removed each time when user closes the browser.

#### Persistent cookie:

It is valid for multiple session. It is not removed each time when user closes the browser. It is

removed only if user logout or signout.

## **Creating a Cookie:**

Let's see the simple code to create cookie.

Cookie ck=new Cookie("user","admin");//creating cookie object

response.addCookie(ck);//adding cookie in the response

#### deleting a Cookie:

Cookie ck=new Cookie("user","");//deleting value of cookie ck.setMaxAge(0);//changing the maximum age to 0 seconds response.addCookie(ck);//adding cookie in the response

# getting Cookies:

Cookie ck[]=request.getCookies();for(int i=0;i<ck.length;i++){
out.print(""+ck[i].getName()+" "+ck[i].getValue());//printing name and value of cookie }

# JSP:

JSP technology is used to create web application just like Servlet technology. It can be thought of as an extension to servlet because it provides more functionality than servlet such as expression language, jstl etc.

#### Running a simple JSP Page:

```
Follow the following steps to execute this JSP page:
```

- o Start the server
- o put the jsp file in a folder and deploy on the server
- o visit the browser by the url http://localhost:8090/folder/programname.jsp

#### JSP scriptlet tag:

```
<% java source code %>
```

#### JSP expression tag:

<%= statement %>

#### **JSP Declaration Tag:**

<%! Fields or method declration %>

# **JSP Implicit Objects:**

- 1)JSP out implicit object:
- <% out.print("Welcome to jsp"); %>
- 2)JSP request implicit object:
- <% String name=request.getParameter("Uname"); %>
- 3)JSP response implicit object:
- <% response.sendRedirect("http://www.google.com"); %>
- 4)JSP config implicit object:

String std=config.getInitParameter("student");

5)JSP application implicit object:

String std=application.getInitParameter("student");

6)exception implicit object:

<form name="form" action="welcome.jsp">

#### Error.jsp:

<%@ page isErroePage="true" %>

The exception is: <%= exception %>

#### **JSP** directive elements:

<%@ directive attribute="value" %>

#### 15JSP page directive:

```
<%@ page attribute="value" %>
```

#### Import:

The import attribute is used to import class, interface or all the members of a package. It is similar to import keyword in java class or interface.

```
<%@ page import="java.util.Date" %>
```

#### errorPage:

```
<%@ page errorPage="myerror.jsp" %>
```

#### isErrorPage:

<%@ page isErrorPage="true" %>

### **Jsp Include Directive:**

<%@ include file="resourceName" %>

## **JSP Action Tags/ Elements:**

Syntax of jsp:forward action tag without parameter:

```
<jsp:forward page="relationURL|<%+ expression %>"/>
```

Syntax of jsp:forward action tag with parameter:

```
<jsp:forward page="relativeURL| <%= expression %>">
```

<jsp:param name="parametername" value="parametervalue |<%= expression %>" />

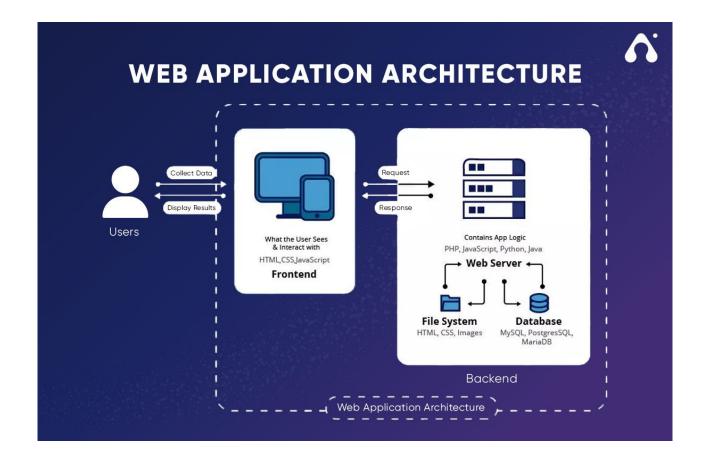
</jsp:forward>

## jsp:include action tag:

#### Syntax:

<jsp:include page="location of the page"/>

# WEB APPLICATION ARCHITECTURE



# **CODING & IMPLEMENTATION**

# **Home.html**:

```
<!DOCTYPE html>
<html>
<head>
  <title>Home Page</title>
  <style>
body {
  font-family: Arial, sans-serif;
  margin: 0;
  padding: 0;
  background-color: #fff; /* Light background color */
  color: #333; /* Dark text color */
header {
  text-align: center;
  padding: 30px;
  background-color: #444; /* Darker background color */
  font-family: 'Times New Roman', Times, serif;
  font-size: 30px;
  color: #fff; /* White text color */
}
#title {
  font-size: 30px;
}
#links-frame {
  background-color: #333; /* Darker background color */
  padding: 10px 20px;
  text-align: right; /* Align links to the right */
#links {
  display: inline-block;
#links a {
```

```
text-decoration: none;
  color: #fff; /* White text color */
  font-size: 16px;
  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
  padding: 10px;
  border-radius: 5px;
  border: 1px solid #fff; /* White border */
  margin-left: 10px;
  transition: background-color 0.3s;
#links a:hover {
  background-color: #333; /* Darker background color */
  text-decoration: none;
#content {
  padding: 20px;
  text-align: center;
#content img {
  width: 100%;
  height: auto;
footer {
  text-align: center;
  padding: 10px;
  background-color: #444; /* Darker background color */
  color: #fff; /* White text color */
</style>
  link
href="https://fonts.googleapis.com/css2?family=Quicksand:wght@400;500&display=swap"
rel="stylesheet"> <!-- Import Quicksand font -->
</head>
<body>
  <header>
```

```
<strong>Welcome to Our Dance Academy</strong>
  </header>
  <div id="links-frame">
    <div id="links">
       <a href="login.html">Login</a>
       <a href="register.html">Register</a>
    </div>
  </div>
  <div id="content">
    <img src="https://assets.rockettes.com/wp-</pre>
content/uploads/2015/06/12794730_10153678109253551_988266194730861133_o.jpg"
alt="Dance Studio Image">
  </div>
  <footer>
    CopyRights @ Rabiyabi Rizwana Shaik 22761A05B7
  </footer>
</body>
</html>
Login.html
<!DOCTYPE html>
<html>
<head>
  <title>Login Form</title>
  <style>
    body {
       font-family: Arial, sans-serif;
       margin: 0;
       padding: 0;
       background-image: url('https://img.freepik.com/free-vector/realistic-dynamic-fog-
background_23-2149111508.jpg');
       background-size: cover;
       background-position: center;
       color: #333;
```

```
form {
  max-width: 300px;
  margin: 20px auto;
  padding: 20px;
  background-color: rgba(255, 255, 255, 0.8);
  border-radius: 5px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
label {
  display: block;
  margin-bottom: 8px;
input[type="text"],
input[type="password"] {
  width: calc(100% - 20px);
  padding: 10px;
  margin-bottom: 15px;
  border: 1px solid #ccc;
  border-radius: 5px;
  box-sizing: border-box;
input[type="submit"] {
  width: 100%;
  background-color: #333;
  color: #fff;
  padding: 10px;
  border: none;
  border-radius: 5px;
  cursor: pointer;
}
input[type="submit"]:hover {
  background-color: #555;
}
h4 {
  text-align: center;
```

```
margin-top: 10px;
       color: #fff;
     }
  </style>
</head>
<body>
  <form name="login" action="login.jsp" method="POST" onsubmit="return validateForm()">
    <label>Enter UserName:</label><br>
    <input type="text" name="suname" id="suname"><br>
    <label>Password:</label><br>
    <input type="password" name="pwd" id="pwd"><br>
    <input type="submit" value="Submit">
     <br>
    <h4>If you are a new user, <a href="register.html">Sign Up</a></h4>
  </form>
  <script>
    function validateForm() {
       var username = document.getElementById("suname").value;
       var password = document.getElementById("pwd").value;
       if (username.length < 6) {
         alert("Username must contain at least 6 characters");
         return false;
       }
       // Password validation
       var passwordRegex = /^{?=.*}d)(?=.*[a-z])(?=.*[A-Z]).{8,}$/;
       if (!passwordRegex.test(password)) {
         alert("Password must contain at least 8 characters, including 1 uppercase letter, 1
lowercase letter, and 1 number");
         return false;
       }
       return true;
  </script>
</body>
</html>
```

# Register.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Dance Registration Form</title>
</head>
<body>
  <h1>Dance Registration Form</h1>
  <form name="register" method="post" action="register.jsp" onsubmit="return</pre>
validateForm()">
    <label for="fname">Enter Your Full Name:</label>
    <input type="text" name="fname" id="fname">
    <label for="age">Enter Your Age:</label>
    <input type="number" name="age" id="age">
    <label for="username">Enter Your Username:</label>
    <input type="text" name="username" id="username">
    <label for="password">Enter Your Password:</label>
    <input type="password" name="password" id="password">
    <div class="gender-group">
       <label>Choose Gender:</label>
       <input type="radio" name="gender" id="male" value="male">
       <label for="male">Male</label>
       <input type="radio" name="gender" id="female" value="female">
       <label for="female">Female</label>
    </div>
    <label for="phno">Enter Your Phone Number:</label>
    <input type="number" name="phno" id="phno">
    <label for="dance_style">Select your preferred dance style:</label>
    <select name="dance_style" id="dance_style">
       <option value="">Select a style</option>
       <option value="Salsa">Salsa</option>
       <option value="Hip-Hop">Hip Hop</option>
       <option value="Jazz">Jazz</option>
       <option value="Contemporary">Contemporary</option>
```

```
<option value="Ballet">Ballet</option>
    <option value="Classical Dance">Classical Dance
  </select>
  <div class="btn-group">
    <input type="submit" value="Submit">
    <input type="reset" value="Reset">
  </div>
</form>
<script>
  function validateForm() {
    var fname = document.getElementById("fname").value;
    var age = document.getElementById("age").value;
    var username = document.getElementById("username").value;
    var password = document.getElementById("password").value;
    var gender = document.querySelector('input[name="gender"]:checked');
    var phno = document.getElementById("phno").value;
    var dance style = document.getElementById("dance style").value;
    var lettersWithSpace = /^[A-Za-z\s]+\$/;
    var passwordRegex = /^(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).\{8,\}\;
    if (fname == "" || !fname.match(lettersWithSpace) || fname.length < 6) {
       alert("Please enter a valid name with minimum 6 characters.");
       return false;
    }
    if (age == "" \parallel isNaN(age) \parallel age < 15 \parallel age > 80) {
       alert("Please enter a valid age between 15 and 80.");
       return false:
    }
    if (username == "" || username.length < 6) {
       alert("Please enter a valid username with minimum 6 characters.");
       return false;
    }
```

```
if (!password.match(passwordRegex)) {
          alert("Please enter a valid password with minimum 8 characters, including at least one
uppercase letter, one lowercase letter, and one number.");
          return false;
       }
       if (!gender) {
          alert("Please select your gender.");
          return false;
       }
       if (phno == "" || phno.length != 10) {
          alert("Please enter a valid 10-digit phone number.");
          return false;
       }
       if (dance_style == "") {
          alert("Please select your preferred dance style.");
          return false;
       }
       return true;
     }
  </script>
</body>
</html>
Login.jsp
<%@ page import="java.sql.*" %>
<%
try {
  String un = request.getParameter("suname");
  String p = request.getParameter("pwd");
  //out.print("from form "+un+" "+p+"<br>");
  Class.forName("oracle.jdbc.driver.OracleDriver");
```

```
Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe",
"system", "karimun");
  PreparedStatement pst = con.prepareStatement("SELECT * FROM student where username=?
and password=?");
  pst.setString(1,un);
  pst.setString(2,p);
  ResultSet rs = pst.executeQuery();
if (rs.next()) {
    // Set the username in the session
    session.setAttribute("username", un);
%>
<jsp:include page="welcome.jsp"></jsp:include>
<%
  } else {
    out.print("<h3>Invalid Credentials, please login again</h3><br/>br>");
%>
<jsp:include page="login.html"/>
<%
  }
  con.close();
} catch (Exception e) {
  out.println("<h3>Error: " + e.getMessage() + "</h3>");
}
%>
Register.jsp
<%@ page import="java.sql.*" %>
< @ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-
8"%>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Registration Details</title>
```

```
</head>
<body>
 <h2>Registration Details</h2>
 <div class="registration-success">
   Registration successful!
  </div>
  Full Name
     Age
     Username
     Password
     Gender
     Phone Number
     Dance Style
    <%
   try {
     Class.forName("oracle.jdbc.driver.OracleDriver");
     Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE",
"system", "karimun");
     Statement stmt = con.createStatement();
     ResultSet rs = stmt.executeQuery("SELECT * FROM student");
     while (rs.next()) {
       %>
       <%= rs.getString("fname") %>
         <\mathref{t} = \text{rs.getInt("age") %>
         <%= rs.getString("username") %>
         <%= rs.getString("password") %>
         <% = rs.getString("gender") %>
         <%= rs.getString("phno") %>
         <%= rs.getString("dance_style") %>
```

```
<%
      // Insert the details of the current registration into the database
      String fname = request.getParameter("fname");
      int age = Integer.parseInt(request.getParameter("age"));
      String username = request.getParameter("username");
      String password = request.getParameter("password");
      String gender = request.getParameter("gender");
      String phno = request.getParameter("phno");
      String dance_style = request.getParameter("dance_style");
      if (fname != null && username != null && password != null && gender != null && phno
!= null && dance_style != null) {
        PreparedStatement pst = con.prepareStatement("INSERT INTO student (fname, age,
username, password, gender, phno, dance_style) VALUES (?, ?, ?, ?, ?, ?, ?)");
        pst.setString(1, fname);
        pst.setInt(2, age);
        pst.setString(3, username);
        pst.setString(4, password);
        pst.setString(5, gender);
        pst.setString(6, phno);
        pst.setString(7, dance_style);
        pst.executeUpdate();
        %>
        <%= password %>
          <%= gender %>
          <%= dance_style %>
```

```
<%
       con.close();
     } catch (Exception e) {
       out.print(e);
     }
    %>
  <div class="login-link">
    <a href="login.html" style="text-decoration: none; color: #333; background-color: #ddd;
padding: 10px 20px; border-radius: 5px;">Click here to login</a>
  </div>
</body>
</html>
Welcome.jsp
<%@ page import="java.sql.*"%>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Welcome to Our Dance Academy</title>
  <style>
    body {
       font-family: Arial, sans-serif;
       background-image: url('https://img.freepik.com/premium-photo/abstract-art-dance-light-
theme-that-out-formless-darkness-style-simple-intricate-beautiful-generative-ai-aig32_31965-
198728.jpg');
       background-size: cover;
       background-position: center;
       margin: 0;
       padding: 0;
```

```
background-color: #fff;
       color: #333;
    }
    header {
       text-align: center;
       padding: 20px;
       background-color: #666;
       font-family: Arial, sans-serif;
       font-size: 24px;
       color: #fff;
    }
  </style>
</head>
<body>
  <div id="title-frame">
    <div id="title"><strong>Welcome to Our Dance Academy</strong></div>
  </div>
  <div id="links-frame">
    <div id="welcome-message">Welcome, <%= session.getAttribute("username") %></div>
    <div id="links">
  <%
    String uname = (String)session.getAttribute("username");
    if(uname!=null)
       {
    %>
           <a href="content.jsp">About Us</a>
           <a href="schedules.jsp">Schedules</a>
           <a href="trainers.jsp">Trainers</a>
           <a href="profile.jsp">profile</a>
           <a href="logout.jsp">Logout</a>
       <%
       }
```

```
else
      {
     %>
      <jsp:include page="login.jsp"/>
     }
      %>
    </div>
 </div>
  <div class="container">
   <center><h2>Welcome to Our Dance academy... </h2></center>
 </div>
<footer>
 CopyRights@ Shaik Rabiyabi Rizwana 22761A05B7
</footer>
</body>
</html><!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Dance Class Schedules</title>
</head>
<body>
  <header>
    <h1>Dance Class Schedules</h1>
  </header>
  <div class="container">
    Date
        Time
        Class
        Instructor
```

```
Monday, April 25
     5:00 PM - 6:30 PM
     Ballet
     Emily Smith
   Wednesday, April 27
     6:00 PM - 7:30 PM
     Hip Hop
     John Davis
   Friday, April 29
     4:30 PM - 6:00 PM
     Jazz
     Samantha Johnson
   Tuesday, May 3
     7:00 PM - 8:30 PM
     Contemporary
     Michael Thompson
   Thursday, May 5
     5:30 PM - 7:00 PM
     Bollywood
     Aisha Patel
   </body>
</html>
```

# Content.jsp

```
<%@ page import="java.sql.*"%>
<%@ page language="java" %>
< @ page contentType="text/html; charset=UTF-8" %>
<%@ page import="java.io.*,java.util.*" %>
< @ page import="javax.servlet.*,javax.servlet.http.*" %>
<%
// Check if the session is present
String uname = (String)session.getAttribute("username");
if(uname != null) {
  // Session is present, display the content
%>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>About Us - Dance Academy</title>
  <style>
    body {
       margin: 0;
       padding: 0;
       font-family: Arial, sans-serif;
       color: #fff;
       background-image:
url('https://t3.ftcdn.net/jpg/01/18/01/94/360_F_118019445_YcBJgIXL32WiujBaA8OOHozfGy30
59CT.jpg');
       background-size: cover;
       background-position: center;
     }
  </style>
</head>
<body>
  <header>
     <h1>About Us</h1>
     <%
```

```
// Display username if logged in
    out.print("Welcome, " + uname + "!");
    %>
  </header>
  <div class="main-content">
    <section class="overview">
      <h2>Our Story</h2>
      Welcome to Dance Academy, where passion meets performance! Established in 2005,
we are dedicated to providing a platform for dance enthusiasts to learn, grow, and express
themselves through the art of dance.
    </section>
    <section class="mission-vision">
      <h2>Mission & Vision</h2>
      Our mission is to inspire and empower individuals through the art of dance. We strive
to provide exceptional dance education in a supportive and inclusive environment, fostering
creativity, discipline, and self-expression.
    </section>
    <section class="values">
      <h2>Core Values</h2>
      <111>
         Passion for Dance
         Inclusivity and Diversity
         Continuous Learning and Growth
         Artistic Excellence
         Community Engagement
      </section>
  </div>
  <footer>
    CopyRights @ Rabiyabi Rizwana Shaik 22761A05B7
  </footer>
</body>
</html>
```

```
<%
} else {
  // Redirect to login page if session is not present
  response.sendRedirect("login.html");
}
%>
Schedules.jsp
<%@ page import="java.sql.*"%>
String uname = (String)session.getAttribute("username");
if(uname != null) {
%>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Dance Class Schedules</title>
  <style>
    body {
       font-family: Arial, sans-serif;
       margin: 0;
       padding: 0;
       background-image: url('https://images.alphacoders.com/133/1331033.png');
       background-size: cover;
       background-position: up center bottom; /* Center the background image */
       background-repeat: no-repeat; /* Prevent the background image from repeating */
       color: #333;
     }
  </style>
</head>
```

<body>

<header>

```
<h1>Dance Class Schedules</h1>
</header>
<div class="container">
 Date
   Time
   Class
   Instructor
  Monday, April 25
   5:00 PM - 6:30 PM
   Ballet
   Emily Smith
  Wednesday, April 27
   6:00 PM - 7:30 PM
   Hip Hop
   John Davis
  Friday, April 29
   4:30 PM - 6:00 PM
   Jazz
   Samantha Johnson
  Tuesday, May 3
   7:00 PM - 8:30 PM
   Contemporary
   Michael Thompson
```

```
Thursday, May 5
         5:30 PM - 7:00 PM
         Bollywood
         Aisha Patel
      </div>
</body>
</html>
<%
} else {
  response.sendRedirect("login.html");
%>
Trainers.jsp
<%@ page import="java.sql.*"%>
<%
String uname = (String)session.getAttribute("username");
if(uname != null) {
%>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Events & Trainers - Dance Academy</title>
  <link rel="stylesheet" href="styles.css">
  <link rel="stylesheet" href="events_style.css">
  <link rel="stylesheet" href="trainers_style.css">
</head>
<style>
body {
  font-family: Arial, sans-serif;
```

```
margin: 0;
  padding: 0;
  background-color: #f4f4f4;
  color: #333;
  background-image: url("https://images.pexels.com/photos/751373/pexels-photo-
751373.jpeg?cs=srgb&dl=pexels-namakuki-751373.jpg&fm=jpg");
  background-size: cover;
}
</style>
<body>
  <header>
    <h1>Upcoming Events & Our Trainers</h1>
    Welcome, <%= uname %>!
  </header>
  <div class="main-content">
    <div class="event">
      <img src="https://i.ytimg.com/vi/w6JLlwCgIS0/maxresdefault.jpg" alt="Event 1">
      <h2>Annual Dance Showcase</h2>
      Date: March 15, 2024
      Time: 7:00 PM - 9:00 PM
      Location: Rizz Dance Academy
      Come and witness the talent and creativity of our students in our annual dance
showcase!
    </div>
    <div class="event">
      <img src="https://media.timeout.com/images/103232610/750/422/image.jpg" alt="Event"</pre>
2">
      <h2>Salsa Night</h2>
      Date: April 5, 2024
      Time: 8:00 PM - 10:00 PM
      Location: Rizz Dance Academy
      Join us for a fun-filled night of salsa dancing! No experience necessary, all skill levels
welcome.
    </div>
```

```
<div class="event">
       <img src="https://utsav.gov.in/public/event_category_banner/1656592649.png" alt="Event</pre>
3">
       <h2>Classical Dance Show</h2>
       Date: October 1, 2024
       Time: 8:00 PM - 12:00 PM
       Location: Rizz Dance Academy
       Experience grace and beauty of classical dance on this special event.
    </div>
    <div class="trainer">
       <img
src="https://thumbs.wbm.im/pw/medium/095ff6b891e232c27db691e0653b0290.avif" alt="Trainer
1">
       <h2>John Doe</h2>
       John is an experienced dance instructor specializing in contemporary dance. With over
10 years of teaching experience, he is passionate about helping students develop their skills and
express themselves through movement.
       Styles: Contemporary, Jazz
         Certifications: Dance Education Degree
         Classes: Advanced Contemporary, Jazz Foundations
       </div>
    <div class="trainer">
       <img src="https://dance-teacher.com/wp-content/uploads/2022/01/PNBSum19A-0205-</pre>
1024x683.jpg" alt="Trainer 2">
       <h2>Jane Smith</h2>
       Jane is a skilled ballet dancer and instructor with a background in classical dance. She
holds a Master's degree in Dance Education and is dedicated to fostering a love for ballet in
students of all ages.
       ul>
         Styles: Ballet, Pointe
```

```
Certifications: Master's in Dance Education
         Classes: Beginner Ballet, Pointe Technique
      </div>
  </div>
  <footer>
    CopyRights @ Rabiyabi Rizwana Shaik 22761A05B7
  </footer>
</body>
</html>
<%
} else {
  response.sendRedirect("login.html");
}
%>
Profile.jsp
<%@ page import="java.sql.*"%>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>User Profile</title>
  <style>
    body {
      margin: 0;
      padding: 0;
      font-family: Arial, sans-serif;
      background-image:
url('https://t3.ftcdn.net/jpg/01/18/01/94/360_F_118019445_YcBJgIXL32WiujBaA8OOHozfGy30
59CT.jpg');
      background-size: cover;
```

```
background-position: center;
    }
  </style>
</head>
<body>
  <div class="profile-container">
    <div class="profile-box">
      <h2 style="text-align: center;">User Profile</h2>
      <%
      String uname = (String)session.getAttribute("username");
      if(uname != null) {
        out.print("Welcome, Mr/Ms. " + uname + "");
        try {
          Class.forName("oracle.jdbc.driver.OracleDriver");
          Connection con =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE", "system", "karimun");
          String query = "SELECT * FROM student WHERE username = ?";
          PreparedStatement pstmt = con.prepareStatement(query);
          pstmt.setString(1, uname);
          ResultSet rs = pstmt.executeQuery();
          if (rs.next()) {
             String name = rs.getString("fNAME");
             int age = rs.getInt("AGE");
             String pwd = rs.getString("Password");
             String gen = rs.getString("GENDER");
             String phno = rs.getString("PHNO");
      %>
      Attribute
          Details
```

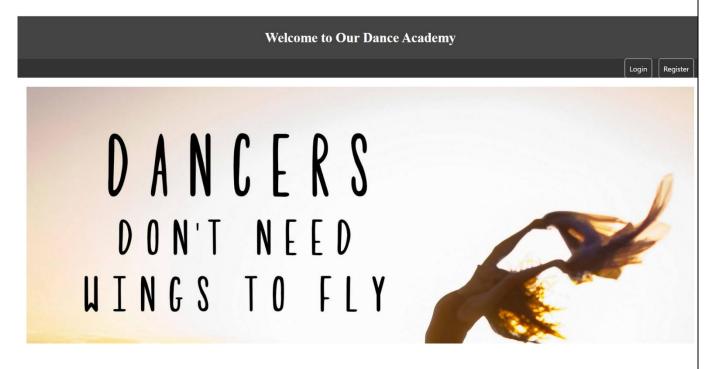
```
Name
     <\td><\td>
    Age
     <%= age %>
    Username
     Password
     <\td><\td>
    Gender
     Phone Number
     <%
     } else {
      out.println("Please login first");
      response.sendRedirect("login.html");
     }
     con.close();
    } catch(Exception e) {
     out.print("An error occurred: " + e.getMessage() +
"");
    }
```

```
} else {
         out.println("Please login first");
         response.sendRedirect("login.html");
       }
       %>
    </div>
  </div>
</body>
</html>
Logout.jsp
< @ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-
8"%>
<%
  session.removeAttribute("username");
%>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="refresh" content="3;url=home.html"> <!-- Redirect to home.html after 3</pre>
seconds -->
  <meta http-equiv="Cache-Control" content="no-cache, no-store, must-revalidate">
  <meta http-equiv="Pragma" content="no-cache">
  <meta http-equiv="Expires" content="0">
  <title>Logout</title>
  <style>
    body {
       font-family: Arial, sans-serif;
       margin: 0;
       padding: 0;
       background-color: #fff; /* Light background color */
       color: #333; /* Dark text color */
       display: flex;
       justify-content: center;
```

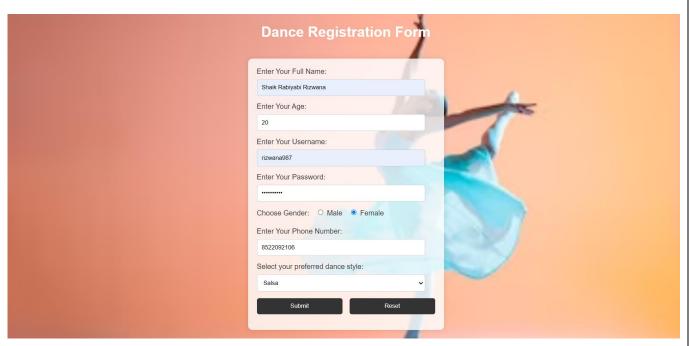
```
align-items: center;
       height: 100vh; /* Full viewport height */
    .message {
       text-align: center;
       font-size: 24px;
       margin-bottom: 20px;
    }
    .spinner {
       border: 5px solid #f3f3f3; /* Light grey */
       border-top: 5px solid #3498db; /* Blue */
       border-radius: 50%;
       width: 50px;
       height: 50px;
       animation: spin 1s linear infinite;
       margin: 20px auto;
     }
    @keyframes spin {
       0% { transform: rotate(0deg); }
       100% { transform: rotate(360deg); }
    }
  </style>
</head>
<body>
  <div>
    <div class="message">Logout successful. Redirecting to home page...</div>
    <div class="spinner"></div>
  </div>
</body>
</html>
```

### **RESULTS**

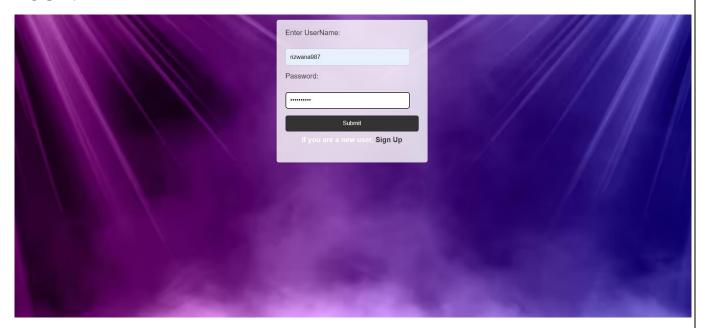
# **HOME**



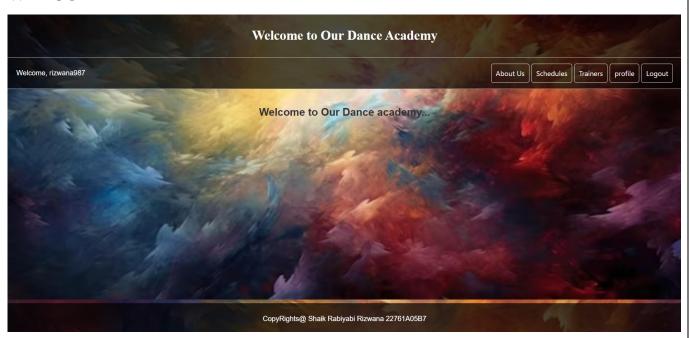
#### **REGISER**



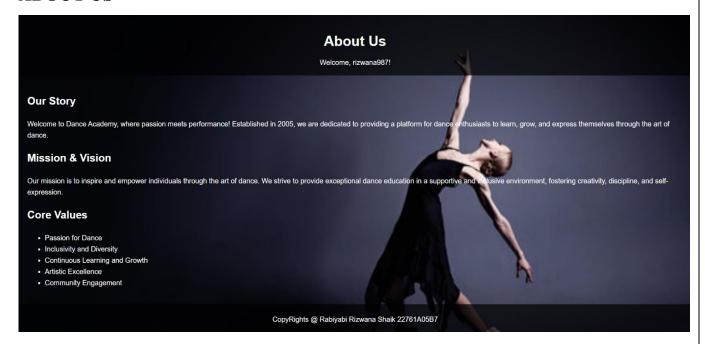
## **LOGIN**



# **WELCOME**



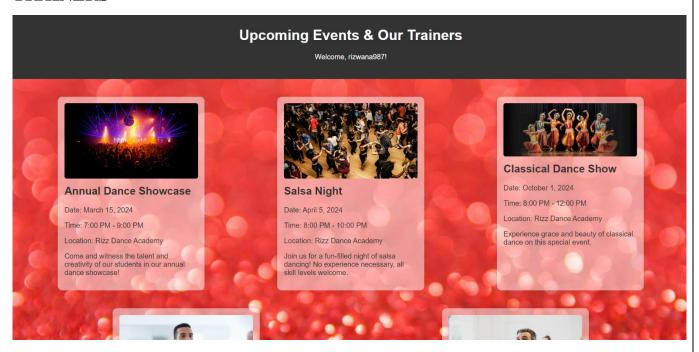
### **ABOUT US**



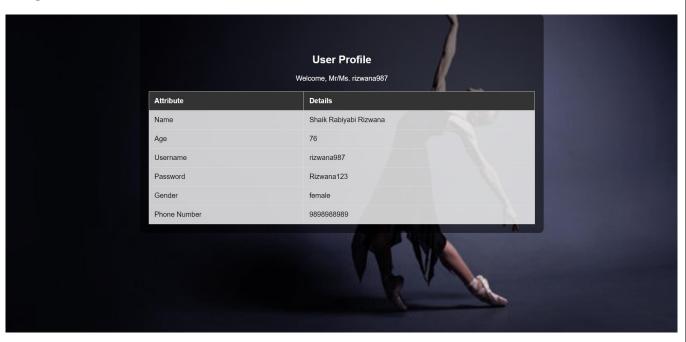
#### **SCHEDULES**



### **TRAINERS**



### **PROFILE**



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#### CONCLUSION

In conclusion, our Dance Acadamy is not just a website; it's a vibrant portal that opens the door to a world of rhythm, expression, and community. From the engaging welcome on our Home page to the in-depth exploration of our dance philosophy on the About Us page, every section is designed to immerse you in the captivating realm of dance.

Our Registration page facilitates a seamless entry into your dance journey, offering options for online and in person registration. Navigate through the Schedules page to find a rhythmic path that suits your style, with timetables, calendars, and notable dates marking the milestones of your dance experience.

Meet the guiding forces behind your dance journey on the Trainers page, where individual profiles, videos, and heartfelt quotes from our instructors provide a glimpse into the artistry that defines Our Dance Academy. Stay connected with the pulse of our community through the Events page, where a dynamic calendar unfolds a tapestry of performances, workshops, and celebrations. The Contact Us page is your direct line to Our Dance Academy, featuring a user-friendly contact form, phone numbers, and email addresses. Discover our location with ease through the embedded map, and let this page be the starting point for conversations, inquiries, and connections within our dance family.

In essence, Our Dance Acadamy is more than a website; it's a living, breathing reflection of our commitment to dance as a form of expression, education, and community. Explore, engage, and embark on a dance journey that transcends the digital realm, finding its rhythm in the studio, on the stage, and within the vibrant community that defines Our dance Acadamy

# **WEB REFERENCES**

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