

Name: Pham Duc Dat
ID: ITITIU20184

Join our email list

To join our email list, enter your name and email address below.

Email:

ducdatit2002@gmail.com

First Name:

Phạm

Last Name:

Đức Đạt

Join Now

Thanks for joining our email list

Here is the information that you entered:

Email: ducdatit2002@gmail.com
First Name: Phạm
Last Name: Đức Đạt

To enter another email address, click on the Return button shown below.

Return

1. emailList.jsp

```

1  <?@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
2  <!DOCTYPE html>
3  <html>
4  <head>
5      <meta charset="UTF-8">
6      <title>Join our email list</title>
7      <!-- Include CSS file for styling -->
8      <link rel="stylesheet" type="text/css" href="style.css">
9  </head>
10 <body>
11
12 <div class="form-container">
13     <h1>Join our email list</h1>
14     <p>To join our email list, enter your name and email address below.</p>
15     <form action="EmailServlet" method="post">
16         <div class="form-field">
17             <label for="email">Email:</label>
18             <input type="email" id="email" name="email" required>
19         </div>
20         <div class="form-field">
21             <label for="firstName">First Name:</label>
22             <input type="text" id="firstName" name="firstName" required>
23         </div>
24         <div class="form-field">
25             <label for="lastName">Last Name:</label>
26             <input type="text" id="lastName" name="lastName" required>
27         </div>
28         <div class="form-field">
29             <input type="submit" value="Join Now">
30         </div>
31     </form>
32 </div>
33
34 </body>
35 </html>

```

2. `thankyou.jsp`

```

1  <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
2  <!DOCTYPE html>
3  <html>
4  <head>
5      <title>Thank You</title>
6      <link rel="stylesheet" type="text/css" href="css/style.css">
7  </head>
8  <body>
9
10     <h1>Thanks for joining our email list</h1>
11     <p>Here is the information that you entered:</p>
12
13     <table>
14         <tr><td>Email:</td><td>%= request.getAttribute("email") %></td></tr>
15         <tr><td>First Name:</td><td>%= request.getAttribute("firstName") %></td></tr>
16         <tr><td>Last Name:</td><td>%= request.getAttribute("lastName") %></td></tr>
17     </table>
18
19     <p>To enter another email address, click on the Back button in your browser or the Return button shown
20     below.</p>
21
22     <form action="emailList.jsp">
23         <input type="submit" value="Return">
24     </form>
25
26 </body>
27 </html>

```

3. style.css

Lab4Ex > src > main > webapp > style.css > ...

```
1  body {
2      font-family: Arial, sans-serif;
3      background-color: #f4f4f4;
4      margin: 0;
5      padding: 0;
6  }
7
8  .form-container {
9      background-color: #fff;
10     margin: 2em auto;
11     padding: 2em;
12     width: 300px;
13     box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
14 }
15
16 h1 {
17     color: #333;
18 }
19
20 .form-field {
21     margin-bottom: 1em;
22 }
23
24 label {
25     display: block;
26     margin-bottom: .5em;
27 }
28
29 input[type="text"],
30 input[type="email"],
31 input[type="submit"] {
32     width: 100%;
33     padding: .5em;
34     border: 1px solid #ddd;
35     box-sizing: border-box;
36 }
37
38 input[type="submit"] {
39     background-color: #5c85d6;
40     color: white;
41     cursor: pointer;
42 }
43
44 input[type="submit"]:hover {
45     background-color: #4a70c8;
46 }
47
```

4. EmailServlet.java

Lab4Ex > src > main > java > part3 > EmailServlet.java > ...

```
1  import java.io.*;
2  import javax.servlet.*;
3  import javax.servlet.http.*;
4
5  public class EmailServlet extends HttpServlet {
6      public void doPost(HttpServletRequest request, HttpServletResponse response)
7          throws ServletException, IOException {
8          response.setContentType("text/html");
9          PrintWriter out = response.getWriter();
10
11          // Get parameters from request
12          String email = request.getParameter("email");
13          String firstName = request.getParameter("firstName");
14          String lastName = request.getParameter("lastName");
15
16          // Validate parameters (basic example)
17          if(email == null || !email.matches(regex:"^[A-Za-z0-9+_.-]+@(.+)$")) {
18              // Invalid email
19              out.println(x:"<p>Invalid email format. Please go back and try again.</p>");
20          } else if(firstName == null || firstName.trim().isEmpty()) {
21              // Invalid first name
22              out.println(x:"<p>First name is required. Please go back and try again.</p>");
23          } else if(lastName == null || lastName.trim().isEmpty()) {
24              // Invalid last name
25              out.println(x:"<p>Last name is required. Please go back and try again.</p>");
26          } else {
27              // Everything is valid, forward to thank you page
28              request.setAttribute("email", email);
29              request.setAttribute("firstName", firstName);
30              request.setAttribute("lastName", lastName);
31              RequestDispatcher dispatcher = request.getRequestDispatcher("thankYou.jsp");
32              dispatcher.forward(request, response);
33          }
34      }
35  }
36
```