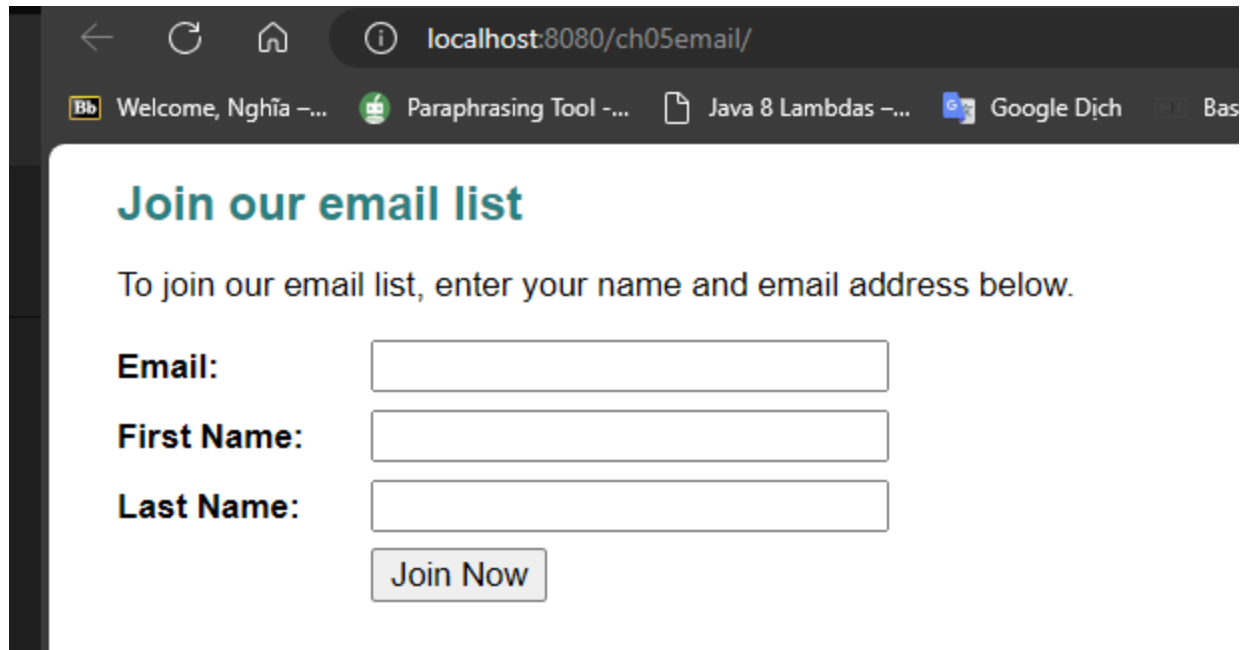


LAB 04 PRACTICE



The screenshot shows a web browser window with the address bar displaying 'localhost:8080/ch05email/'. The browser's tab bar shows several tabs: 'Welcome, Nghĩa -...', 'Paraphrasing Tool -...', 'Java 8 Lambdas -...', 'Google Dịch', and 'Bas...'. The main content area of the browser displays a form titled 'Join our email list' in a teal font. Below the title, a message reads: 'To join our email list, enter your name and email address below.' The form consists of three input fields, each preceded by a label: 'Email:', 'First Name:', and 'Last Name:'. The 'Email:' label is in bold. Each label is followed by a white input box with a thin grey border. Below the 'Last Name:' input box is a 'Join Now' button with a grey border and rounded corners.

Figure 1. Build a form like this one (name it ***emailList.jsp***) (30pts)

```
<html>
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
  <title>Page</title>
  <style>
    .form-item {
      display: flex;
      align-items: center;
      margin-bottom: 10px;
    }

    .form-item label {
      min-width: 180px;
      margin-right: 10px;
    }
  </style>
</head>
<body>
  <div>
    <h2>Join our email list</h2>
    <p>To join our email list, enter your name and email address below.</p>
    <div>
      <div>Email:</div>
      <input type="text">
    </div>
    <div>
      <div>First Name:</div>
      <input type="text">
    </div>
    <div>
      <div>Last Name:</div>
      <input type="text">
    </div>
    <button type="button">Join Now</button>
  </div>
</body>
</html>
```

```
input[type="text"],
input[type="email"],
select,
textarea {
  width: 30%;
  margin-bottom: 5px;
}

.buttons {
  gap: 2rem;
  display: flex;
  align-items: center;
  margin-bottom: 10px;
}
</style>
</head>
```

<h2>Collect three Parameters </h2>

```
<form method="post" action="/GetThreeParam">
  <div class="form-item">
    <label for="first">Email:</label>
    <input type="text" id="first" name="first" required />
  </div>
  <div class="form-item">
    <label for="second">First Name:</label>
    <input type="text" id="second" name="second" required />
  </div>
  <div class="form-item">
```

```
<label for="third">Last Name:</label>

<input type="text" id="third" name="third" required />

</div>

<div class="form-item buttons">

  <input type="submit" value="Join Now" />

</div>

</form>

</html>
```

Join our email list

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

Email:	<input type="text" value="nhantran4102002@gmail.com"/>
First Name:	<input type="text" value="Nhan"/>
Last Name:	<input type="text" value="Ngoc"/>
<input type="button" value="Join Now"/>	

Figure 2. Sample input form.

Thanks for joining our email list

Here is the information that you entered:

Email: ntnghia@hcmiu.edu.vn

First Name: Nghia

Last Name: Nguyen

To enter another email address, click on the Back button in your browser or the Return button shown below.

Return

*Figure 3. When you click submit. It send you to **EmailServlet.java** (35pts) Return button will send you to jsp page to enter another email.(10pts)*

```
public class EmailServlet extends HttpServlet {  
    @Override  
    protected void doGet(HttpServletRequest request, HttpServletResponse response)  
        throws ServletException, IOException {  
        response.setContentType("text/html;charset=UTF-8");  
        try (PrintWriter out = response.getWriter()) {  
            out.println("<h1>Hello Tran Ngoc Nhan ITITI20264</h1>");  
        }  
    }  
    @Override  
    protected void doPost(HttpServletRequest request, HttpServletResponse response)  
        throws ServletException, IOException {  
  
        response.setContentType("text/html;charset=UTF-8");
```

```

String email = request.getParameter("email");
String firstName = request.getParameter("firstName");
String lastName = request.getParameter("lastName");

try (PrintWriter out = response.getWriter()) {
    out.println("<!DOCTYPE html>");
    out.println("<html>");
    out.println("<head>");
    out.println("<title>Reading three request parameters</title>");
    out.println("</head>");
    out.println("<body>");
    out.println("<style>");
    out.println("h1 {";      // note leading brace
    out.println("color:orange;");
    out.println("background-color:blue;");
    out.println("text-align: center;");
    out.println("}");
    out.println("</style>");
    out.println("<h1>Thanks for joining our email list </h1>");
    out.println("<span>Here is the information that you entered: </span>");
    out.println("<li>Email : " + email + "</li>");
    out.println("<li>First Name : " + firstName + "</li>");
    out.println("<li>Last Name : " + lastName + "</li>");
    out.println("<span>To enter another email address, click on the Back button on your
browser or the Return button show below </span>");
    out.println("<input type=\"button\" value=\"Return\"
onclick=\"window.location.href='cancel'\"/> " +
"    </div>");
    out.println("</body>");
    out.println("</html>");

```

}

}

Join our email list

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

Email:

First Name:



Please include an '@' in the email address. 'nhantran4102002gmail.com' is missing an '@'.

Last Name:

Figure 4. The form also needs to validate the email (10pts)

Write a *style.css* file to decorate your work. (15pts)

<style>

```
.form-item {  
    display: flex;  
    align-items: center;  
    margin-bottom: 10px;  
}
```

```
.form-item label {  
    min-width: 180px;  
    margin-right: 10px;  
}
```

```
.desc {  
    padding-bottom: 20px;  
    margin-top: 10px;  
}
```

```
input[type="text"],  
input[type="email"],  
select,
```

```
textarea {  
  width: 30%;  
  margin-bottom: 5px;  
}  
  
.buttons {  
  gap: 2rem;  
  display: flex;  
  align-items: center;  
  margin-bottom: 10px;  
}  
</style>
```

1. Name the pdf file as <studentName><ID><lab04_pactice>
2. Zip (rar) the project directory.
3. Submit PDF and zip to the BB.