

Portfolio

- Project 1

Dayoung Lee

About me

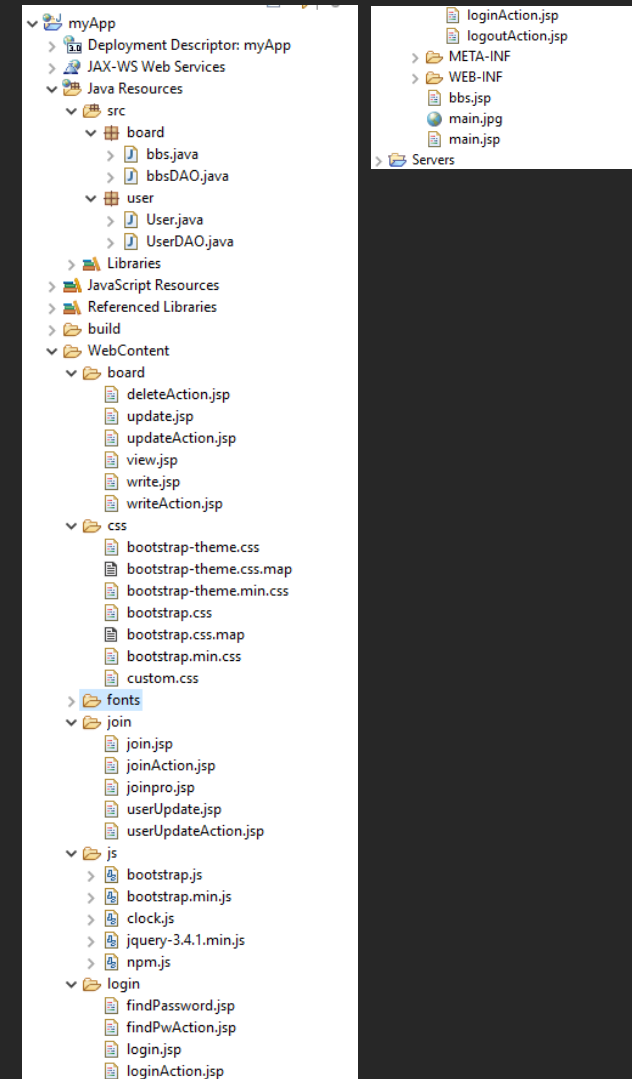
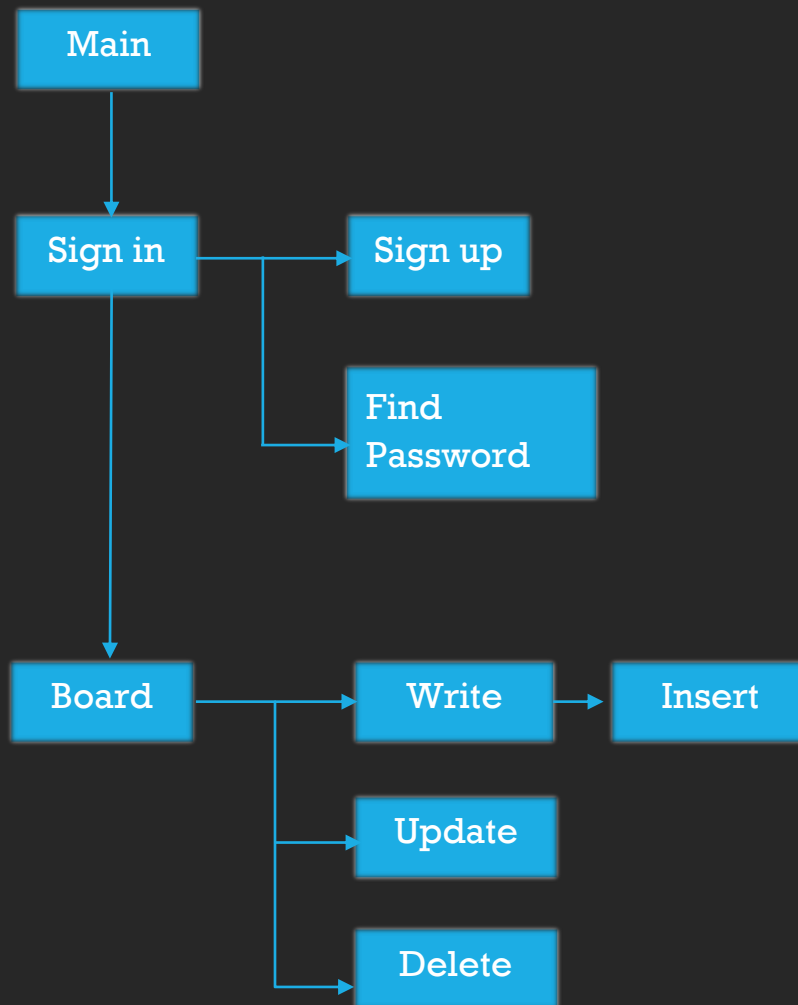
- Name : Dayoung Lee
- Email : dayoung5213@gmail.com
- Contact: 647.825.6971
- Used skills :
 - Java. JSP. MySQL. Tomcat v9.0
 - HTML. CSS. JavaScript
- Github : <https://github.com/dayoung-lee/Portfolio/tree/master/project1/LoginUser>

This is my first project that use JSP. It is a simple website that user can sign in, sign up and write in a board.

Project Structure

Period : 1 week

Participants : 1



MySQL

🔑 userID	VARCHAR(20)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
🔑 userPassword	VARCHAR(20)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
🔑 FirstName	CHAR(40)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
🔑 LastName	CHAR(40)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
🔑 birthday	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
🔑 email	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
🔑 PhoneNumber	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
🔑 Address	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

projectdb/user

🔑 bbsID	INT(11)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
🔑 bbsTitle	VARCHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
🔑 userID	VARCHAR(20)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
🔑 bbsDate	DATETIME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
🔑 bbsContent	VARCHAR(2048)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

projectdb/bbs

```
try {
    String dbURL = "jdbc:mysql://localhost:3306/projectdb?useUnicode=true&useJDBCCompliantTimezoneShift=true&useLegacyDatetimeCode=false&serverTimezone=UTC";
    String dbID = "root";
    String dbPassword = "ekdud521";
    Class.forName("com.mysql.cj.jdbc.Driver");
    conn = DriverManager.getConnection(dbURL, dbID, dbPassword);
    System.out.println("connect to mysql success.");
}
```

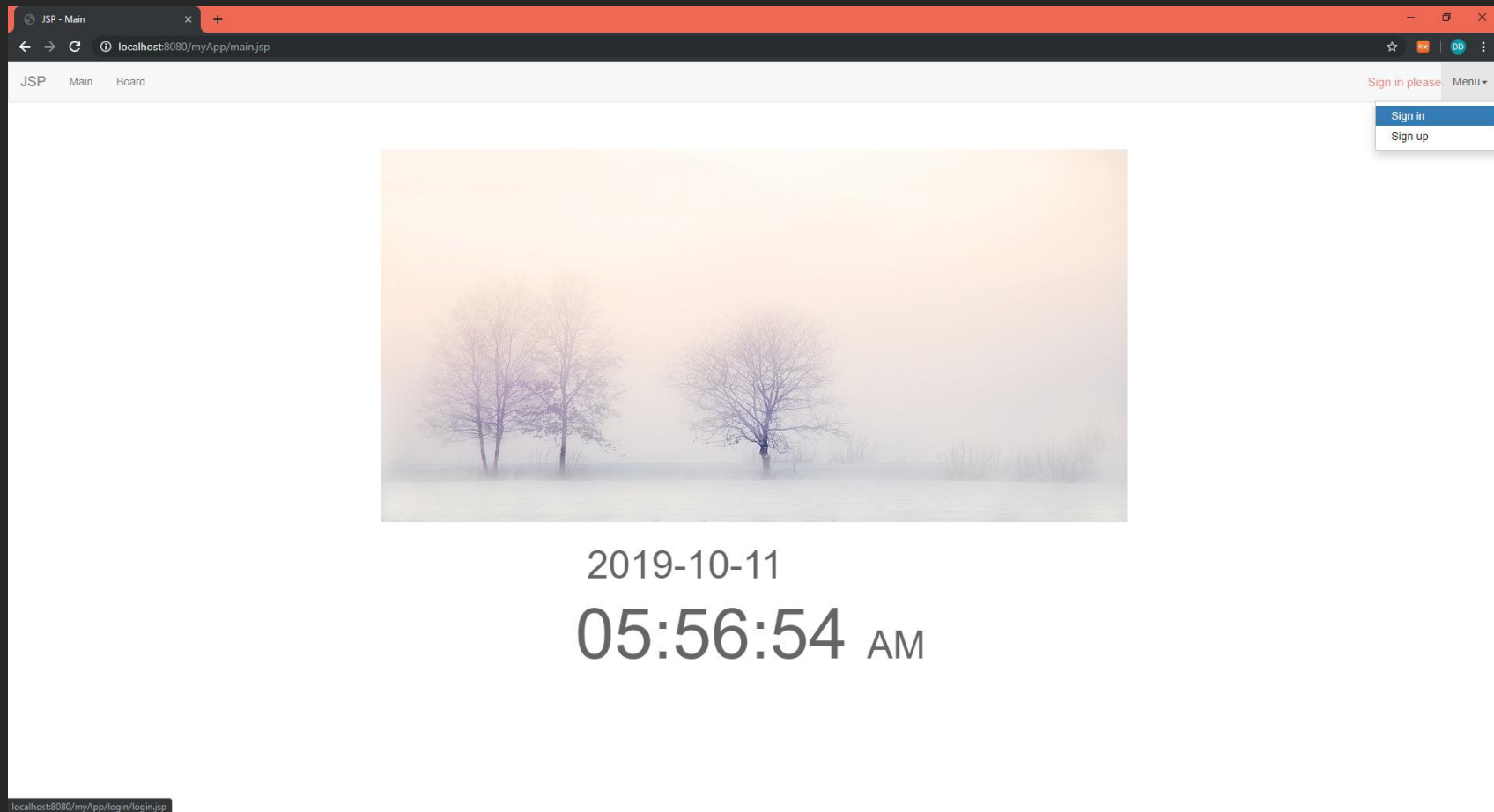
userDAO.java

connection

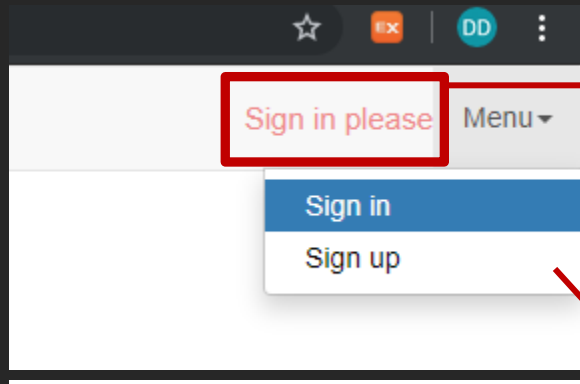
Main

Css : bootstrap.css + custom.js

Js : bootstrap.js + jQuery (menu animation) + Clock (date + time)



Main

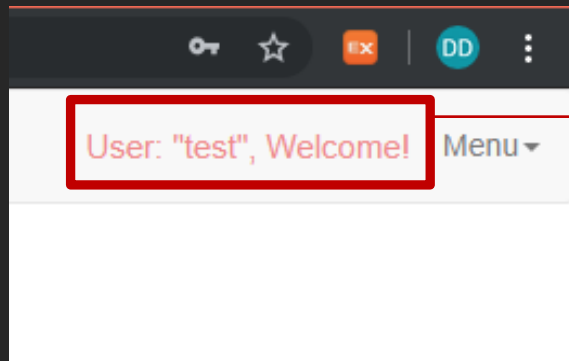


Before sign in,

print "Sign in please"

After sign in,

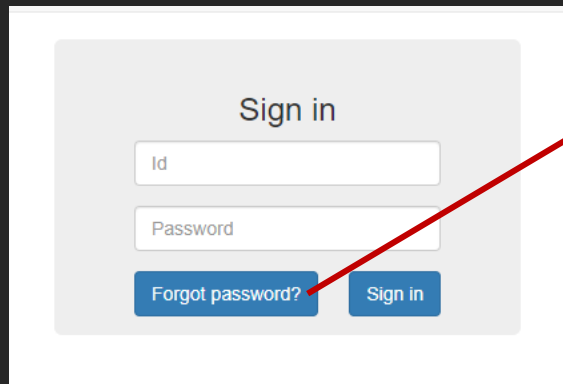
print "User: (userID), Welcome!"



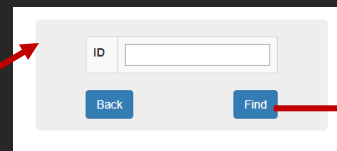
Dropdown menu

(jquery-3.4.1.min.js)

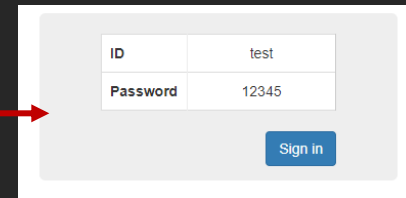
Sign In



login.jsp



findPassword.jsp

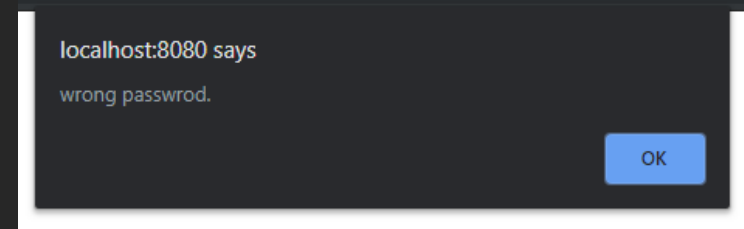


- use “post” method.
- use javaBean to get user information.

```
<form action = "findPwAction.jsp" method = "post">
  <table class="table" style="text-align:center; border:1px solid #dddddd; background-color : #ffffff">
    <tr><th>ID</th>
    <td><%=user.getUserID()%></td></tr>
    <tr><th>Password</th>
    <td><%=user.getUserPassword() %></td></tr>
  </table>
  <input type = "button" class = "btn btn-primary pull-right" onclick = "location.href='login.jsp'" value = "Sign in"/>
</form>
```

findPwAction.jsp

- If user type wrong password, alert message.



Sign Up

Sign up

ID

Password

First Name

Last Name

year month day

Email

Phone Number

Address

join.jsp

	userID	userPassword	FirstName	LastName	birthday	email	PhoneNumber	Address
▶	test	12345	Dayoung	Lee	1991-11-30	abc@gmail.com	123456789	Canada
	user1	1234	Dayoung	Lee	1991-11-30	abc@gmail.com	6478256971	28 Pemberton Ave
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

User table

- use “post” method.
- use javaBean to insert user information.

```
int result = userDao.join(user);
if(result == -1){
    PrintWriter script = response.getWriter();
    script.println("<script>");
    script.println("alert('The ID is already taken.')");
    script.println("history.back()");
    script.println("</script>");
} else { //join success.
    PrintWriter script = response.getWriter();
    script.println("<script>");
    script.println("alert('Welcome.')");
    script.println("location.href = '../main.jsp'");
    script.println("</script>");
}
```

joinAction.jsp

```
public int join(User user) {
    String SQL = "INSERT INTO USER VALUES (?, ?, ?, ?, ?, ?, ?, ?)";
    String toDate = user.toString();
    try {
        pstmt = conn.prepareStatement(SQL);
        pstmt.setString(1, user.getUserID());
        pstmt.setString(2, user.getUserPassword());
        pstmt.setString(3, user.getUserFirstName());
        pstmt.setString(4, user.getUserLastName());
        pstmt.setDate(5, StringToDate(toDate));
        pstmt.setString(6, user.getUserEmail());
        pstmt.setString(7, user.getUserPhoneNumber());
        pstmt.setString(8, user.getUserAddress());

        return pstmt.executeUpdate();
    } catch (Exception e) {
        e.printStackTrace();
    }
    return -1;
}
```

userDAO.java

My Page

ID	test
Password	12345
Name	Dayoung Lee
Birthday	1991-11-30
Email	abc@gmail.com
Phone Number	123456789
Address	Canada

Update

Joinpro.jsp

- use “post” method.
- use javaBean to insert user information.

```
public User getUserInfo(String userID) {
    String SQL = "SELECT * FROM USER WHERE userID=? ";
    /*userID, userPassword, FirstName, LastName, birthday, email, phoneNumber, Address */
    User user = null;
    try {
        PreparedStatement pstmt = conn.prepareStatement(SQL);
        pstmt.setString(1, userID);
        rs = pstmt.executeQuery();
        user = new User(); // DAO
        if(rs.next()) {
            user.setUserID(rs.getString("userID"));
            user.setUserPassword(rs.getString("userPassword"));
            user.setUserFirstName(rs.getString("FirstName"));
            user.setUserLastName(rs.getString("LastName"));
            user.setUserBirthyy(rs.getString("birthday"));
            user.setUserEmail(rs.getString("email"));
            user.setUserPhoneNumber(rs.getString("PhoneNumber"));
            user.setUserAddress(rs.getString("Address"));
        }
        return user;
    } catch (Exception e) {
        e.printStackTrace();
    }
    return null;
}
```

userDAO.java

My Page – Update

```
<form method="post" action="userUpdateAction.jsp">
<table class="table table-striped" style="text-align:center; border:1px solid #dddddd">
  <tr><th>ID</th>
  <td><%=user.getUserID() %></td>
</tr>
<tr><th>Password</th>
  <td><input type="password" name="password" maxlength="20"
    value="<%=user.getUserPassword() %>"></td></tr>
<tr><th>Name</th>
  <td><%=user.getUserFirstName() %> <%=user.getUserLastName() %></td></tr>
<tr><th>Birthday</th>
  <td><%=user.getUserBirthyy() %></td></tr>
<tr><th>Email</th>
  <td><input type="text" name="email" maxlength="45"
    value="<%=user.getUserEmail() %>"></td></tr>
<tr><th>Phone Number</th>
  <td><input type="text" name="phoneNumber" maxlength="45"
    value="<%=user.getUserPhoneNumber() %>"></td></tr>
<tr><th>Address</th>
  <td><input type="text" name="address" maxlength="45"
    value="<%=user.getUserAddress() %>"></td></tr>
</table>
<input type="button" class="btn btn-primary pull-left" onclick="location.href='joinpro.jsp'" value="Cancel">
<input type="submit" class="btn btn-primary pull-right" value="Update">
</form>
```

ID	test
Password
Name	Dayoung Lee
Birthday	1991-11-30
Email	abc@gmail.com
Phone Number	123456789
Address	Canada

Cancel Update

userUpdate.jsp

userDAO.java

```
// update user information
public int updateUser(String userID, String userPassword, String email, String phoneNumber, String address) {
    String SQL = "UPDATE user SET userPassword=?, email=?, PhoneNumber=?, Address=? WHERE userID=?";
    try {
        System.out.println(userID + " " + userPassword);
        pstmt = conn.prepareStatement(SQL);
        pstmt.setString(1, userPassword);
        pstmt.setString(2, email);
        pstmt.setString(3, phoneNumber);
        pstmt.setString(4, address);
        pstmt.setString(5, userID);
        return pstmt.executeUpdate();
    } catch (Exception e) {
        e.printStackTrace();
    }
    return -1;
}
```

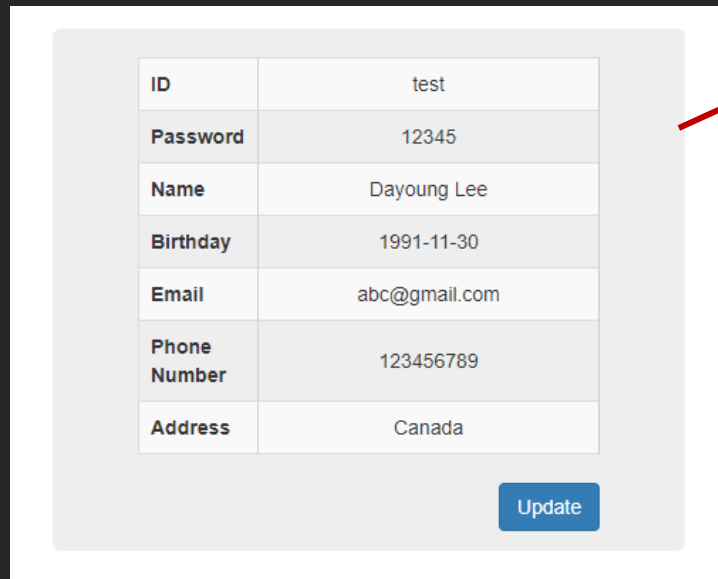
My Page – Update



Show if the information is updated.

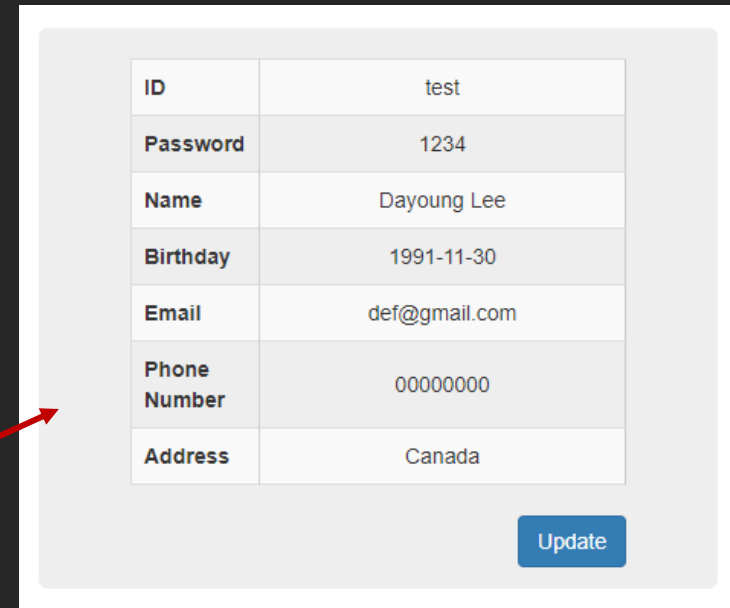
- `Alert('Updated');`

javapro.jsp shows information changes.



A light gray form containing a table with user information and a blue "Update" button at the bottom right.

ID	test
Password	12345
Name	Dayoung Lee
Birthday	1991-11-30
Email	abc@gmail.com
Phone Number	123456789
Address	Canada



A light gray form containing a table with user information and a blue "Update" button at the bottom right. A red arrow points from the "Update" button in the bottom-left form to this "Update" button.

ID	test
Password	1234
Name	Dayoung Lee
Birthday	1991-11-30
Email	def@gmail.com
Phone Number	00000000
Address	Canada

Sign Out

```
<%  
    session.invalidate();  
%>  
<script>  
    location.href = '../main.jsp';  
</script>
```

session.invalidate(); to logout.

After user sign out,

- back to main.jsp

Board - List

No.	Title	User	Date
2	aa	test	2019-10-11 05:06
1	test3	user1	2019-10-11 04:10

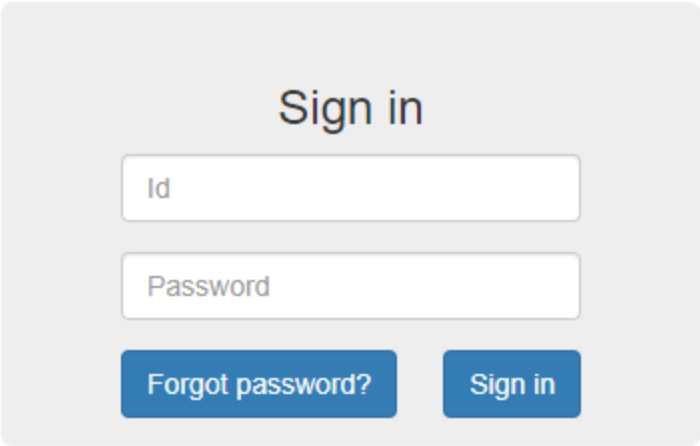
next

write

```
<tbody>
  <%
    bbsDAO BbsDAO = new bbsDAO();
    ArrayList<bbs> list = BbsDAO.getList(pageNumber);
    for(int i=0; i<list.size();i++){
  %>
  <tr>
    <td><%=list.get(i).getBbsID()%></td>
    <td><a href="board/view.jsp?bbsID=<%=list.get(i).getBbsID()%>"><%=list.get(i).getBbsTitle()%></a></td>
    <td><%=list.get(i).getUserID()%></td>
    <td><%=list.get(i).getBbsDate().substring(0, 11) + list.get(i).getBbsDate().substring(11, 13) + ":"
      + list.get(i).getBbsDate().substring(14, 16)%></td>
    </tr>
  <%} %>
</tbody>
```

bbs.jsp

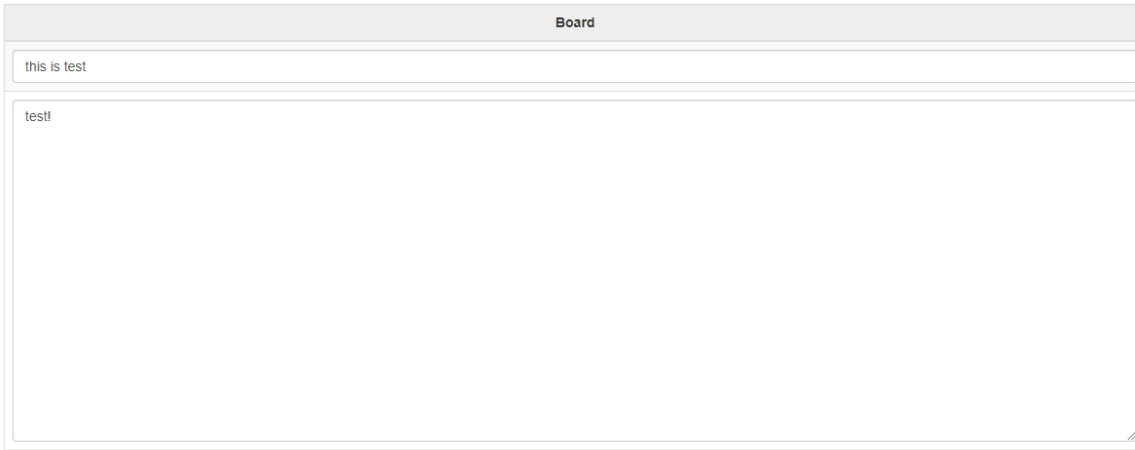
Board - Write



A sign-in form with a light gray background. It features the text "Sign in" at the top. Below it are two input fields: "Id" and "Password". At the bottom, there are two blue buttons: "Forgot password?" and "Sign in".

If user don't log in when press "write"

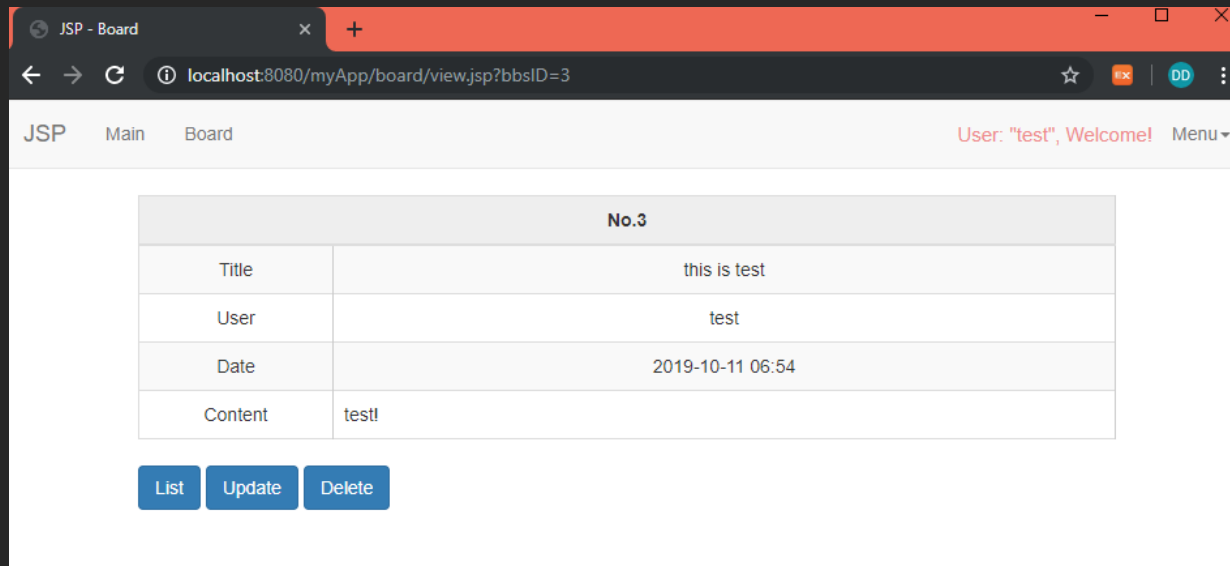
- show sign in



A form titled "Board" with a light gray header. It contains a text input field with the placeholder text "this is test". Below the input field is a large text area with the placeholder text "test!". At the bottom right of the form is a blue button labeled "write".

write.jsp

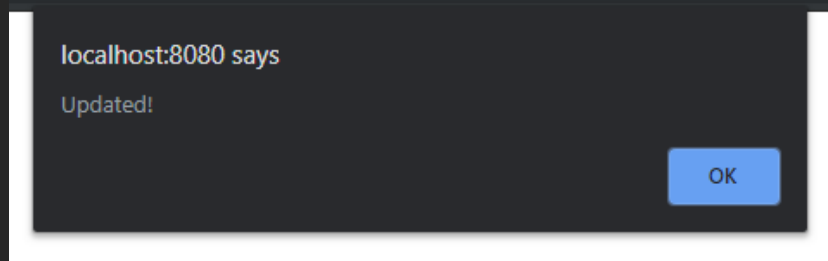
Board – View



Use board javaBean
to get board objects

```
<thead>
  <tr>
    <th colspan = "3" style ="background-color: #eeeeee; text-align: center;">No.<%=Bbs.getBbsID()%></th>
  </tr>
</thead>
<tbody>
  <tr>
    <td style = "width:20%; border-right: 1px solid #ccc;"> Title </td>
    <td colspan = "2"><%= Bbs.getBbsTitle() %> </td>
  </tr>
  <tr>
    <td style = "border-right: 1px solid #ccc;">User</td>
    <td colspan = "2"><%= Bbs.getUserID() %> </td>
  </tr>
  <tr>
    <td style = "border-right: 1px solid #ccc;"> Date </td>
    <td colspan = "2"><%= Bbs.getBbsDate().substring(0,11) + Bbs.getBbsDate().substring(11,13) + ":"
    + Bbs.getBbsDate().substring(14, 16)%> </td>
  </tr>
  <tr>
    <td style = "border-right: 1px solid #ccc;"> Content </td>
    <td colspan = "2" style = "min-height: 200px; text-align: left;"><%=Bbs.getBbsContent()%> </td>
  </tr>
</tbody>
```

Board – Update



Show message box,
if update succeed.

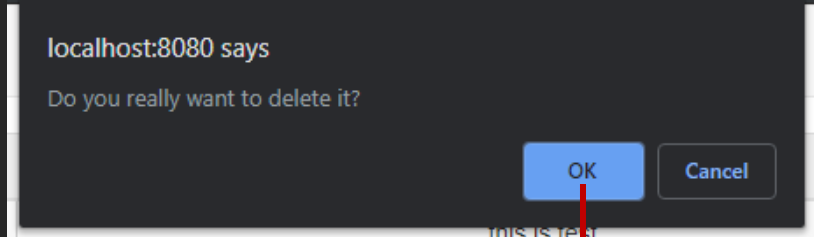
No.3	
Title	this is test
User	test
Date	2019-10-11 06:54
Content	* Update test!

List Update Delete

	bbsID	bbsTitle	userID	bbsDate	bbsContent
▶	1	test3	user1	2019-10-11 04:10:12	yexy4
	2	aa	test	2019-10-11 05:06:22	aaa a
	3	this is test	test	2019-10-11 06:54:57	* Update test!
*	NULL	NULL	NULL	NULL	NULL

Board table

Board - Delete



Show message box to ask delete.

No.	Title	User	Date
2	aa	test	2019-10-11 05:06
1	test3	user1	2019-10-11 04:10

next write

	bbsID	bbsTitle	userID	bbsDate	bbsContent
▶	1	test3	user1	2019-10-11 04:10:12	yexy4
	2	aa	test	2019-10-11 05:06:22	aaa a
★	NULL	NULL	NULL	NULL	NULL

After delete the table

bbsDAO.jsp

```
// delete
public int delete(int bbsID) {
    String SQL = "DELETE FROM BBS WHERE bbsID=?";
    try {
        PreparedStatement pstmt = conn.prepareStatement(SQL);
        pstmt.setInt(1, bbsID);
        return pstmt.executeUpdate();
    } catch (Exception e) {
        e.printStackTrace();
    }
    return -1;
}
```

Summary

This is first project that I use JSP, before I start studying Spring. I have tried to put very simple but important function into the project. It was first time to connect database to JSP. Although the project is simple, it took some days because I have never studied JSP before. However, I really enjoyed and hopefully I can update some function more later. Thank you for watching my portfolio.