

Phase 3 Project 1 Writeup

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Source code:

<https://github.com/agarriga21/HCLclassProjects/tree/master/UserManagerJar>

My project which is a sample login with user id application uses a custom MySQL database users.user created by me. This project also utilizes Spring Boot, Hibernate, Maven and controllers.

The database users has a table called user which has four variables. They are: id, name, password, and email. Id is auto incremented and used by the application to search for a user and cannot be edited. The other variables are shown on the user list and can be edited by the user.

The program uses six webpages. The first one is the main page which is index.jsp which has the option to login with id or a button labeled list.

The list button goes to another webpage list.jsp and displays all the users and information contained in the connected database.

When the user types in an invalid id into the login, they are directed to error.jsp which the user is told that there is a user not found error and to try again. This also happens with an empty submission.

A valid id input will show the specific user information connected to that id on users.jsp. There is a button called edit to go to the edit.jsp which will have input fields filled with the current user information. These can be changed and submitted.

If submitted, the user will be taken to the confirm.jsp to show successful addition to the database and confirmation of the information the user changed.

The program is connected to the local MySQL database through hibernate and server Tomcat through Maven. The following is the url and the MySQL code used to create the database and table.

<http://localhost:8090>

MySQL Code:

```
CREATE DATABASE users;  
create user 'springuser'@'%' identified by 'ThePassword';  
grant all on users.accounts to 'springuser'@'%';  
CREATE TABLE user (  
id int(11) AUTO_INCREMENT,  
name VARCHAR(256),
```

```
email VARCHAR(256),  
password VARCHAR(256),  
PRIMARY KEY (`id`)  
);
```

```
INSERT INTO user (name,email,password) VALUES ("admin", "admin@test.com",  
"admin");  
INSERT INTO user (name,email,password) VALUES ("John2", "John@test.com",  
"test");  
INSERT INTO user (name,email,password) VALUES ("test", "test@test.com", "test");  
INSERT INTO user (name,email,password) VALUES ("user", "user@test.com",  
"password");  
INSERT INTO user (name,email,password) VALUES ("admin5", "admin5@test.com",  
"admin5");
```