

Phase 3 Project 2 Writeup

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Source code:

<https://github.com/agarriga21/HCLclassProjects/tree/master/Phase3End/src>

For my phase 3 end project, I created a task manager project that has a user login, user registration, and user specific task lists. The task list entries can be edited, deleted, and the user can create more.

This project uses the database taskmanager which contains two tables. The first table taskmanager.users has user information for login and registration. The variables are an id for the user, a username, an email, and a password. The jsp for registration prevents null values from being entered in this table. Also, username is unique and cannot have duplicates.

The second table taskmanager.tasks is for the user specific tasks. The user id from the users table is shared with this table to have user specific tasks. The tasks table also has values id which is a unique id for each task, the taskname, the description, start date, end date, and severity for the task. These can be edited in the task user menu for a logged in user and null values are also prevented.

This project utilized Spring boot, Maven, Tomcat 9, MySQL, and controllers.

<http://localhost:8090>

I am using user: root and password: root for MySQL

MySQL Code:

```
create database taskmanager;
CREATE TABLE taskmanager.users (
id int(11) AUTO_INCREMENT,
username VARCHAR(256),
email VARCHAR(256),
password VARCHAR(256),
PRIMARY KEY (`id`)
);
INSERT INTO taskmanager.users (username,email,password) VALUES ("admin",
"admin@test.com", "admin");
INSERT INTO taskmanager.users (username,email,password) VALUES ("test",
"test@test.com", "test");
CREATE TABLE taskmanager.tasks (
id int(11) AUTO_INCREMENT,
userid int(11),
taskname VARCHAR(256),
```

```
description VARCHAR(256),  
start DATE,  
end DATE,  
severity VARCHAR(256),  
PRIMARY KEY (`id`));
```

```
INSERT INTO taskmanager.tasks (userid,taskname,description,start,end,severity)
```

```
VALUES
```

```
(1,"admintask", "admin test task", "2001-09-01", "2020-08-01","High"),  
(1,"admintask2", "admin test task 2", "2002-10-06", "2020-02-01","Medium"),  
(2,"testtask", "test task", "2010-04-08", "2015-09-01","Low");
```