Phase 3 Project 2 Writeup

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Source code:
https://github.com/agarriga21/HCLclassProjects/tree/master/Feedback

My project which is a feedback rating system using REST, uses a custom MySQL database db_example.feedback. This project also utilizes Spring Boot, Hibernate, Maven and rest/test controllers.

The database db_example has a table called feedback which has four variables. They are: id, comments, rating,and user. 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 inputted by the user and added to the database through the rest controller.

The program has a test form with user inputs to test adding to the database using the rest controller. This is a html page connected to a javascript file to convert input into a json that the rest controller can use. The javascript file and html prevents invalid inputs such as ratings not 1-10 and empty fields.

The program also can be used with curl or postman to send data. I used postman to send a post feedback to the rest controller. The rest controller itself can make sure the input is valid. If invalid input is submitted, The json returned will have the comment field showing the error and will not be added to the database. Null values and invalid ratings would not go into the database.

http://localhost:8090

MySQL Code:

```
CREATE DATABASE db_example;
create user 'springuser'@'%' identified by 'ThePassword';
grant all on db_example.feedback to 'springuser'@'%';
CREATE TABLE `feedback` (
  `id` int NOT NULL AUTO_INCREMENT,
  `comments` varchar(255) DEFAULT NULL,
  `rating` int NOT NULL,
  `user` varchar(255) DEFAULT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_general_ci ;
insert into feedback (comments, rating, user) VALUES ("Awesome", 10, "tim");
```