

ASSESSMENT 6

OVERVIEW

Implement a Spring MVC web application that displays a list of jelly beans, each with a name and rating. The jelly bean information is stored in a MySQL schema. The user can add jelly beans to the list.

SETUP

To begin, use the following MySQL command to create a table named **jellybean** and fill it with some sample data. Copy-and-paste the code into MySQL Workbench and run it.

```
CREATE TABLE `jellybean` (  
  `id` bigint NOT NULL AUTO_INCREMENT,  
  `style` varchar(255) DEFAULT NULL,  
  `rating` int DEFAULT NULL,  
  PRIMARY KEY (`id`)  
);  
  
INSERT INTO `jellybean` (style, rating) VALUES  
(  
'Green Apple', 7),  
(  
'Licorice', 0),  
(  
'Tutti Frutti', 9);
```

BUILD SPECIFICATIONS

The assignment is worth ten points, allocated based on the grading criteria indicated below. **Pay special attention to the spelling and capitalization of the items in bold.**

Now build the app.

1. At the home URL path `/`, the app displays a list of all jelly beans from the database.
 - a. *4pts* - The styles of all jelly beans from the database are displayed.
 - b. *1pt* - The jelly bean styles are displayed in a **two-column HTML table** with style in one column and rating in the other.
2. Add a form to the bottom of the page that allows a user to enter a new jelly bean.
 - a. *1pt* - The form must have inputs for style and rating. The inputs must be submitted with names **"style"** and **"rating"** respectively.
 - b. *1pt* - The form submits to the URL path **`/create-jelly`**.
 - c. *1pt* - When the form is submitted, a new jelly bean is added to the database.
Note: It is up to you whether the application then displays a confirmation page or ends up back on the jelly bean listing page. This will not affect your grade.
 - d. *2pt* - The new database entry has the style and rating entered by the user, and the new jelly bean is displayed when the user returns to the jelly bean listing page.

SUBMISSION

When finished, add, commit, and push your code to the GitHub classroom.

SAMPLE SCREENSHOT

This is provided as an example. Your webpage might look different.

Home page (URL: /)

Jelly Beans

Style	Rating
Green Apple	7
Licorice	0
Tutti Frutti	9

Add a Jelly Bean

Style:

Rating:

Add