

Final Project Phase #2

submitted to

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by

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As a part of the Object-Oriented Application  
Development course (ITMD 510)

Illinois Institute of Technology

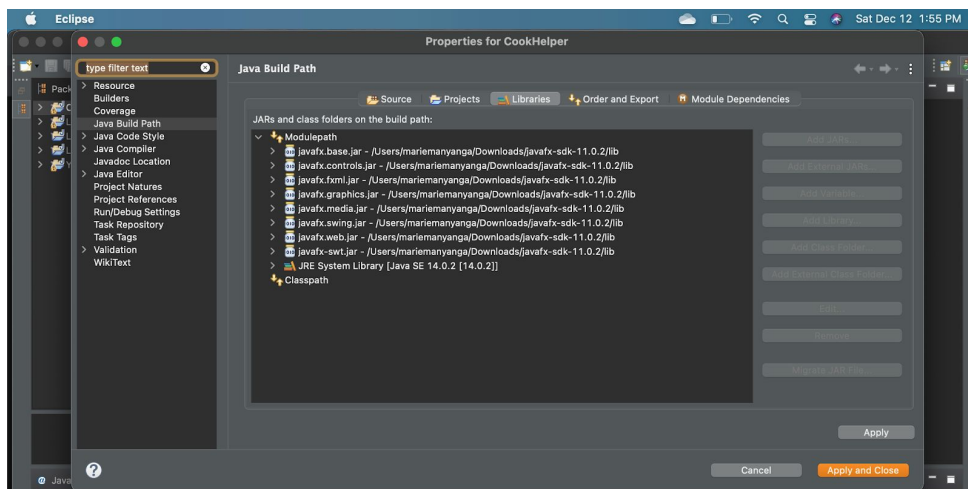
December 12, 2020

## 1. Abstract description

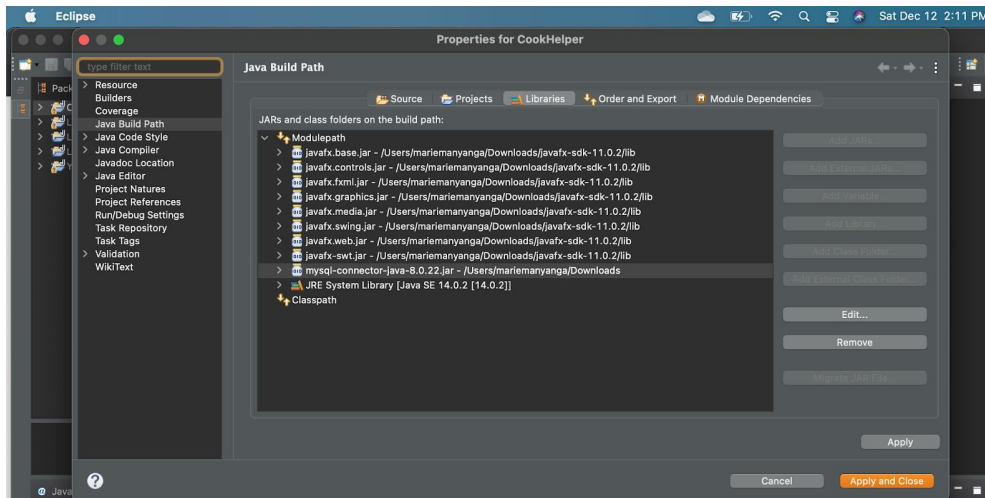
CookHelper is a recipe management application that allows users to view, add, modify and delete recipes. Recipes can be added with as much information (name, description, category and instructions) as needed. Users can search for recipes by names.

## 2. Installation and execution (source code)

1. Download the project
2. Open the project in eclipse
3. Download JavaFX 11 (<https://gluonhq.com/products/javafx/>)
4. Add JavaFX 11 as an external library



5. Download MySQL Connector 8.0.22 (<https://mvnrepository.com/artifact/mysql/mysql-connector-java/8.0.22>)
6. Add MySQL Connector as an external library



7. Download “e(fx)clipse 3.6.0” via the Eclipse Marketplace
8. Add the following command in the “Arguments” tab of the “Run Configurations” section :

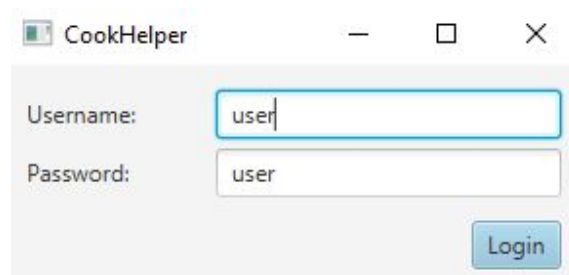
```
[ --module-path "path/javafx-sdk-11.0.2/lib" --add-modules
javafx.controls,javafx.fxml ]
```

(<https://blog.floriancourcey.com/2020/06/javafx-installation-windows-macos>)

9. Select “application.CookHelperApplication” as Main class and click “Run”
10. Use the following credentials to login to the application :

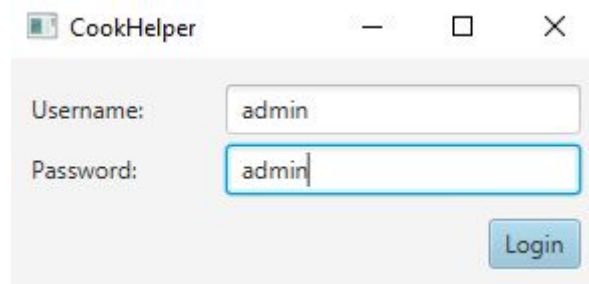
- “user” as username and “user” as password for a non admin user

The non admin user can only search for recipes and view recipes details



- “admin” as username and “admin” as password for a admin user

The admin user can search, edit, delete, add recipes and view their details



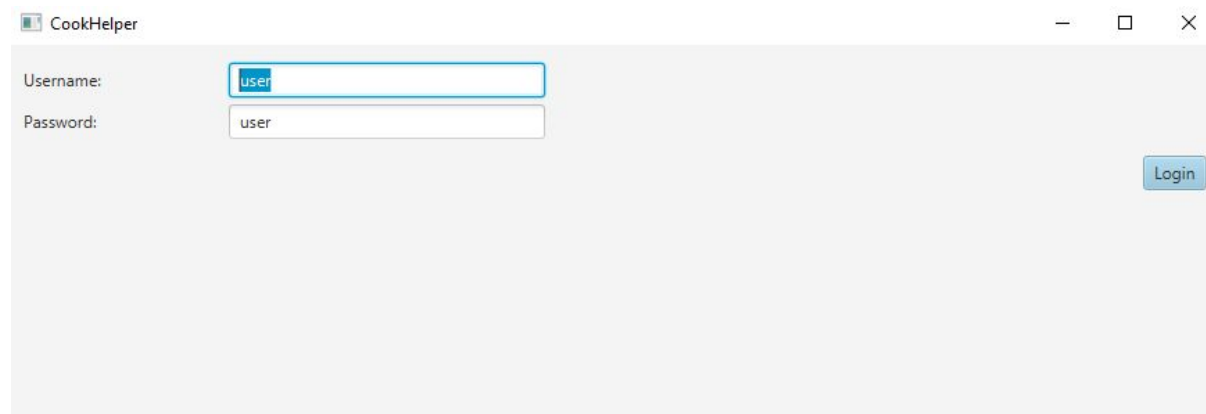
### 3. Installation and execution (jar file)

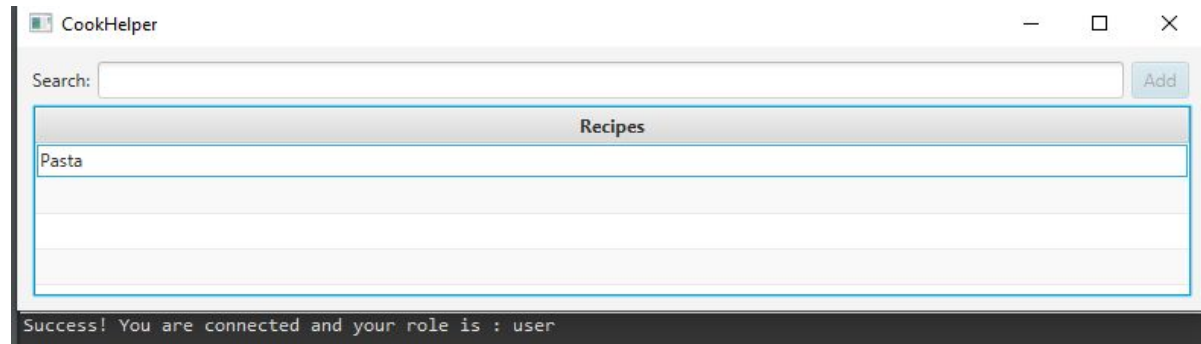
1. Open the terminal
2. Run the jar file using the following command:

```
[ java --module-path "path/javafx-sdk-11.0.2/lib" --add-modules  
javafx.controls,javafx.fxml -jar CookHelper.jar ]
```

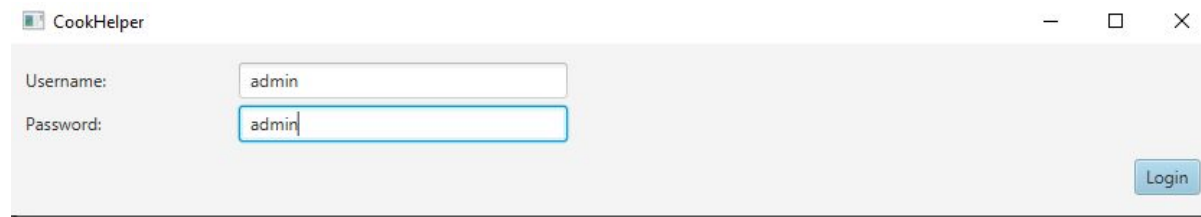
### 4. Snapshots

1. Show a successful login for a regular user

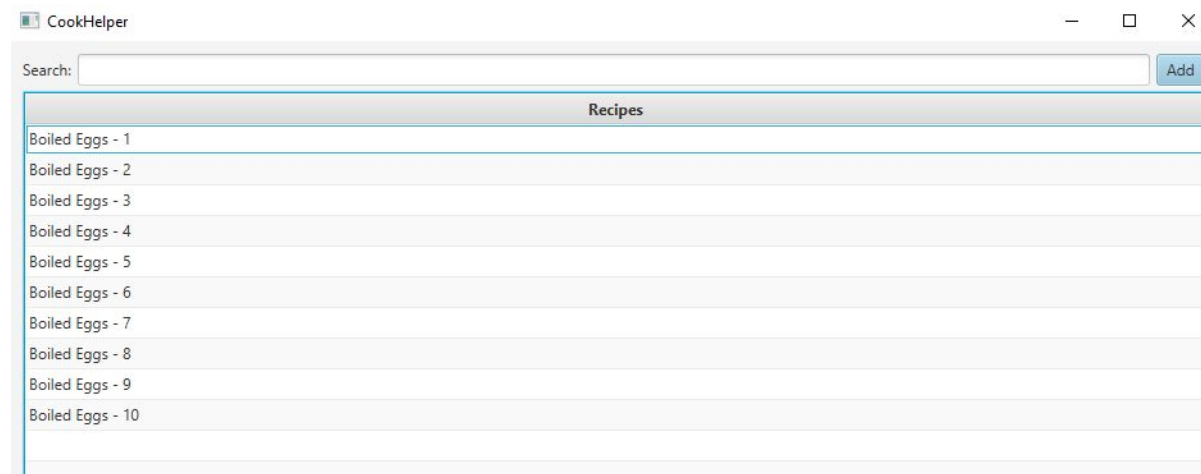




2. Show a successful login for an admin



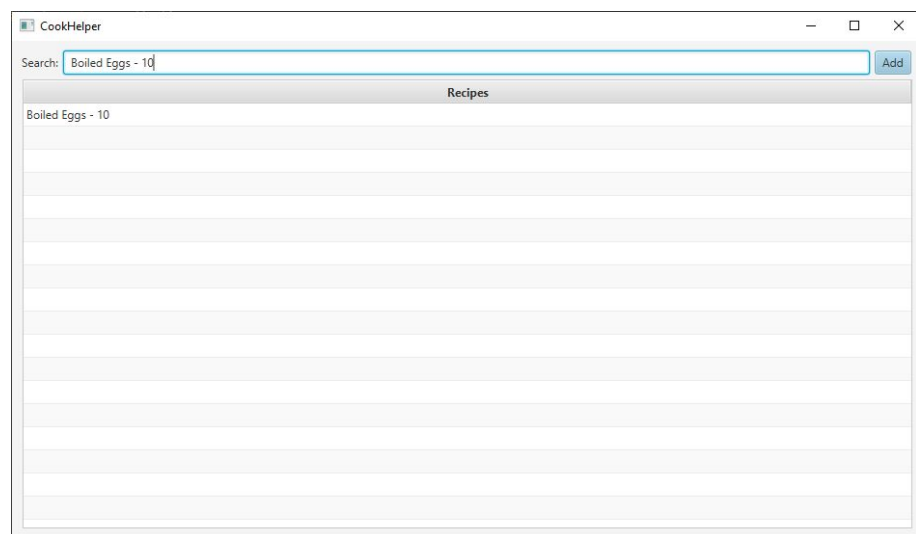
3. Show a result of all 10 records added to your database from the database itself.



id	description	category	instructions
11 Hard Boiled Eggs - 1	Boiled eggs are eggs cooked by immersion in boiling water.	Main Dish	1.Put the eggs in a pan with water2.Heat the pot on high heat and bring the water to a full rolling boil3.Let the eggs sit for 15 minutes.
12 Boiled Eggs - 2	Boiled eggs are eggs cooked by immersion in boiling water.	Appetizer	1.Put the eggs in a pan with water2.Heat the pot on high heat and bring the water to a full rolling boil3.Let the eggs sit for 15 minutes.
13 Boiled Eggs - 3	Boiled eggs are eggs cooked by immersion in boiling water.	Appetizer	1.Put the eggs in a pan with water2.Heat the pot on high heat and bring the water to a full rolling boil3.Let the eggs sit for 15 minutes.
14 Boiled Eggs - 4	Boiled eggs are eggs cooked by immersion in boiling water.	Appetizer	1.Put the eggs in a pan with water2.Heat the pot on high heat and bring the water to a full rolling boil3.Let the eggs sit for 15 minutes.
15 Boiled Eggs - 5	Boiled eggs are eggs cooked by immersion in boiling water.	Appetizer	1.Put the eggs in a pan with water2.Heat the pot on high heat and bring the water to a full rolling boil3.Let the eggs sit for 15 minutes.
16 Boiled Eggs - 6	Boiled eggs are eggs cooked by immersion in boiling water.	Appetizer	1.Put the eggs in a pan with water2.Heat the pot on high heat and bring the water to a full rolling boil3.Let the eggs sit for 15 minutes.
17 Boiled Eggs - 7	Boiled eggs are eggs cooked by immersion in boiling water.	Appetizer	1.Put the eggs in a pan with water2.Heat the pot on high heat and bring the water to a full rolling boil3.Let the eggs sit for 15 minutes.
18 Boiled Eggs - 8	Boiled eggs are eggs cooked by immersion in boiling water.	Appetizer	1.Put the eggs in a pan with water2.Heat the pot on high heat and bring the water to a full rolling boil3.Let the eggs sit for 15 minutes.
19 Boiled Eggs - 9	Boiled eggs are eggs cooked by immersion in boiling water.	Appetizer	1.Put the eggs in a pan with water2.Heat the pot on high heat and bring the water to a full rolling boil3.Let the eggs sit for 15 minutes.

4. Demonstrate sufficient functionality for the regular user.

- The regular user is searching for “Boiled Eggs -10”.



- The regular user is viewing “Boiled Eggs -10” details.

The screenshot shows a window titled 'CookHelper' with standard window controls (minimize, maximize, close). The form contains the following fields and buttons:

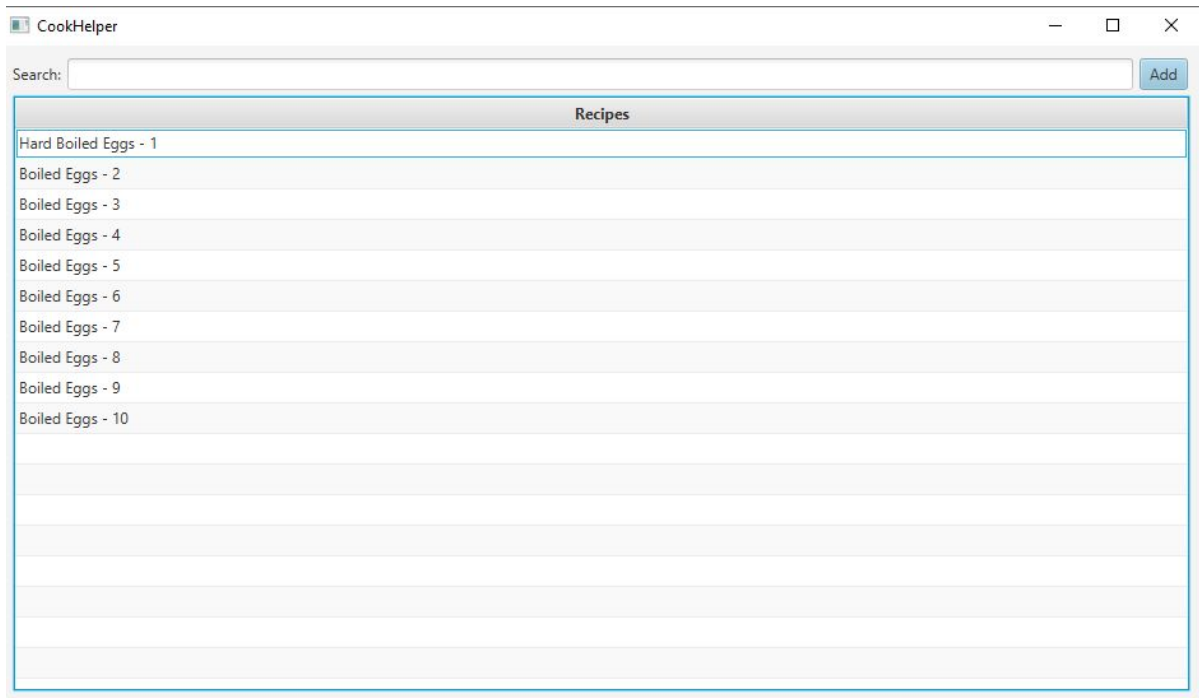
- Name:** A text box containing 'Boiled Eggs - 10'.
- Description:** A text box containing 'Boiled eggs are eggs cooked by immersion in boiling water'.
- Category:** A text box containing 'Appetizer'.
- Directions:** A text box containing a numbered list:
  - 1.Put the eggs in a pan with water
  - 2.Heat the pot on high heat and bring the water to a full rolling boil
  - 3.Let the eggs sit for 15 minutes.
- Buttons:** Three blue buttons at the bottom: 'Edit', 'Delete', and 'Back'.

5. Show some update performed by the admin for the first record entered into the db.

- The admin is editing the name of “Boiled Eggs - 1”. He plans to change it to” Hard Boiled Eggs - 1”

The screenshot shows the 'CookHelper' window with the form updated to reflect the edit. The fields and buttons are:

- Name:** A text box containing 'Hard Boiled Eggs - 1'.
- Description:** A text box containing 'Boiled eggs are eggs cooked by immersion in boiling water.'.
- Category:** A text box containing 'Appetizer'.
- Directions:** A text box containing '1.Put the eggs in a pan with water2.Heat the pot on high heat'.
- Buttons:** Two blue buttons at the bottom: 'Save' and 'Back'.



- The admin is editing the category of “Boiled Eggs - 1”. He plans to change it to” Main Dish”

A screenshot of the "CookHelper" application showing the edit form for a recipe. The form has a light gray background and contains the following fields:

- Name:** A text input field containing "Hard Boiled Eggs - 1".
- Description:** A text input field containing "Boiled eggs are eggs cooked by immersion in boiling water."
- Category:** A text input field containing "Main Dish", which is highlighted with a blue border.
- Directions:** A text input field containing "1.Put the eggs in a pan with water2.Heat the pot on high heat".

At the bottom of the form, there are two buttons: "Save" and "Back".



The screenshot shows a web application window titled 'CookHelper'. It contains a form for editing a recipe. The form has four main sections: 'Name', 'Description', 'Category', and 'Directions'. Each section has a text input field. Below the input fields are three buttons: 'Edit', 'Delete', and 'Back'.

Name: Hard Boiled Eggs - 1

Description: Boiled eggs are eggs cooked by immersion in boiling water.

Category: Main Dish

Directions: 1.Put the eggs in a pan with water2.Heat the pot on high heat and bring the water to a full rolling boil3.Let the eggs sit for 15 minutes.

Edit Delete Back

6. Show the deletion of the last record by the admin entered in the db.

- The admin is deleting the last record Boiled Eggs - 10"

The screenshot shows the same 'CookHelper' application window, but now it displays the form for a different recipe, 'Boiled Eggs - 10'. The form structure is identical to the previous one, with fields for Name, Description, Category, and Directions, and buttons for Edit, Delete, and Back.

Name: Boiled Eggs - 10

Description: Boiled eggs are eggs cooked by immersion in boiling water

Category: Appetizer

Directions: 1.Put the eggs in a pan with water  
2.Heat the pot on high heat and bring the water to a full rolling boil  
3.Let the eggs sit for 15 minutes.

Edit Delete Back

7. Show a snapshot of your remaining records in some columnar view.

