Sushi Restaurant CRM

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Description

The Sushi Restaurant CRM is a viable method of managing Customers, Staff and Menu Items. With the CRM, it is easy to add Users and Menu Items. The CRM allows for Users to be added with specific roles and corresponding authentication for those roles.

Features

- CRUD setup for Users and Specific Roles
- CRUD setup for Food Items
- Print out CSV for either Users or Food Items
- Encrypted password encoding for safe User Registration Storage

Planning - User Stories

As a logged-in Admin User, I am able to access restricted pages for editing and maintaining. As a logged-in Admin User, I am able to add other Users and assign Roles for establishing authorized app usage. As a logged-in Admin User, I can print out a list of Users in CSV format. As a logged-in Admin User, I can add Menu Items and print out a list of Menu Items in CSV format.

Planning - Database

The DB holds tables for Menu Items, Users, Roles and User Roles. The User Roles hold the data for User profiles and their assigned Roles. The Menu Items table is to hold data for the Restaurant Menu.
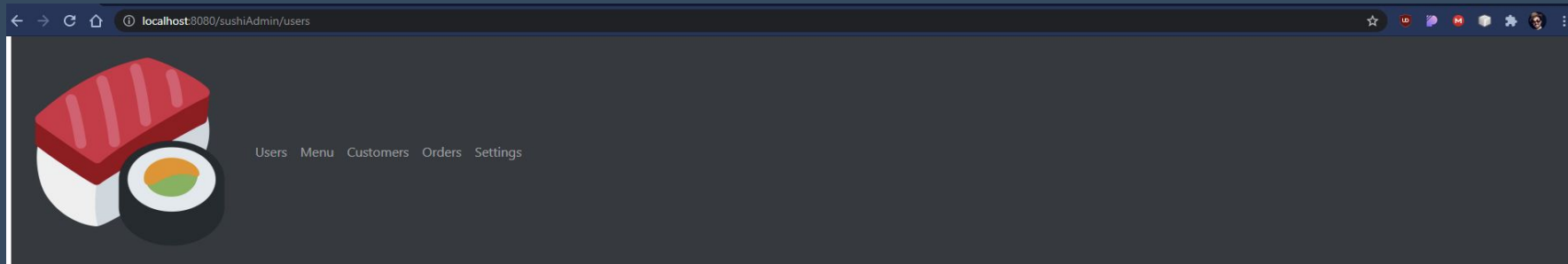
Technology Stack

- JAVA, JavaScript, HTML and CSS
- Spring Boot and Bootstrap
- Thymeleaf
- MySQL
- Spring Security, BCryptPasswordEncoder and Super CSV

Demo

localhost:8080/sushiAdmin/users

Users Menu Customers Orders Settings

Manage Users

Create New User | Export to CSV

User ID	Email	First Name	Last Name	User Roles	Active Status		
1	sushi@gmail.com	Brian	Hoots	[Admin]	true	Edit	Delete
3	blappityblappitydoh@gmail.com	Lothar	Buho	[Customer]	false	Edit	Delete
4	menace@gmail.com	Dennis	Menace	[Customer]	true	Edit	Delete
5	abelincoln@gmail.com	abe	lincoln	[Salesperson]	true	Edit	Delete
6	einstein@gmail.com	Albert	Einstein	[Admin]	true	Edit	Delete
8	sinatra@gmail.com	Frank	Sinatra	[Assistant]	true	Edit	Delete

What I Learned

- Managing a Multi-Module Project in Maven with POM.xml
- Establishing User Roles and creating Authorized access specific to Roles
- Encrypted password data in MySQL DataBase with BCryptPasswordEncoder
- How to create a button to print data in CSV format with Super CSV

What's Next

- Creating Front End segment of the CRM app
- Refactor HTML code and take advantage of Thymeleaf Fragments
- Create a way to print particular data out in PDF format
- Create a Shopping Cart Module