


|  |   |
|--|---|
| <b>Project – External Documentation</b>          |  |
| COMP6115001<br>Object Oriented Analysis & Design |   |
| <Odd/Even/Compact> Semester Year <2022/2023>     |   |

- **Project Title**

MysticGrills

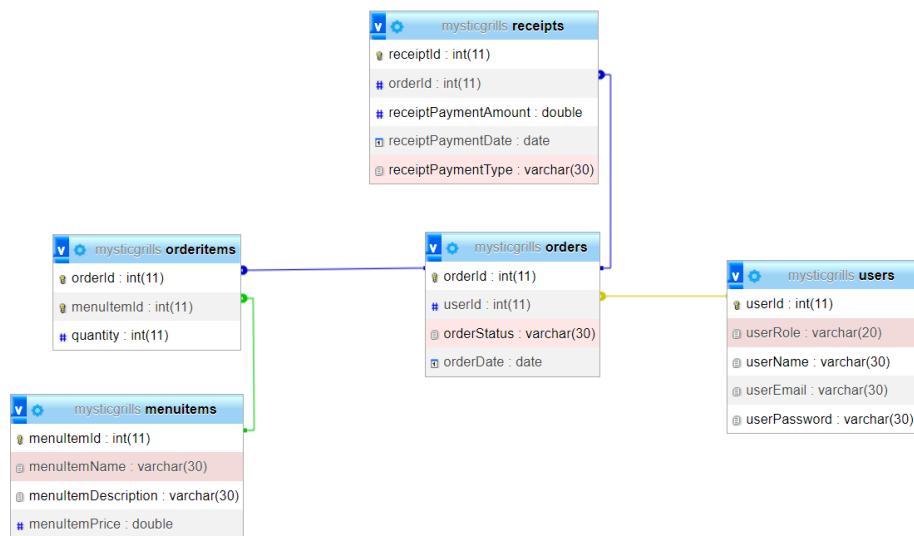
- **Introduction**

**MYstic Grills** is an innovative restaurant management app designed to streamline operations and enhance the overall dining experience. With features covering **user management, menu customization, and a streamlined ordering system**. Mystic Grills provides a seamless and intuitive platform for both restaurant staff and customers. Mystic Grills aims to revolutionize restaurant management by leveraging technology to enhance efficiency, improve customer satisfaction, and drive the success of restaurants.

- **Initialization**

- Download the Folder**
- Open XAMPP**
- Create `mysticgrills` database**

ERD :



- Import the schema file from folder *sql* name *mysticgrills.sql***
- Open Project**
- Add external JARs (JavaFx and MySQLConnector)**
- Run configuration and choose “Arguments” And choose VM arguments, Insert this**

**Arguments :**

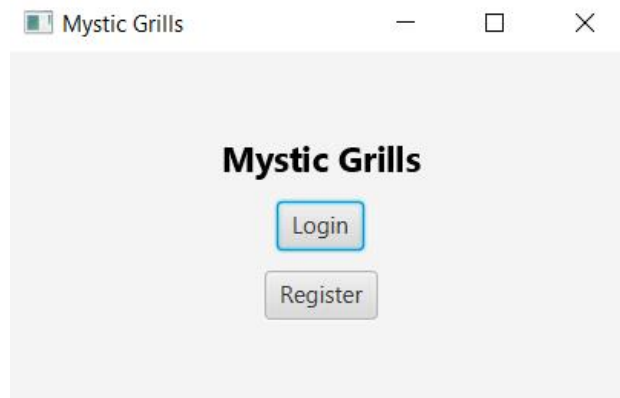
```
--module-path <YOUR JAVAFOX PATH> --add-modules javafx.controls,javafx.fxml
```

- Run the *main/Main.java***

- **Report / Documentation**

**Mystic Grills** have a total of 15 Views.

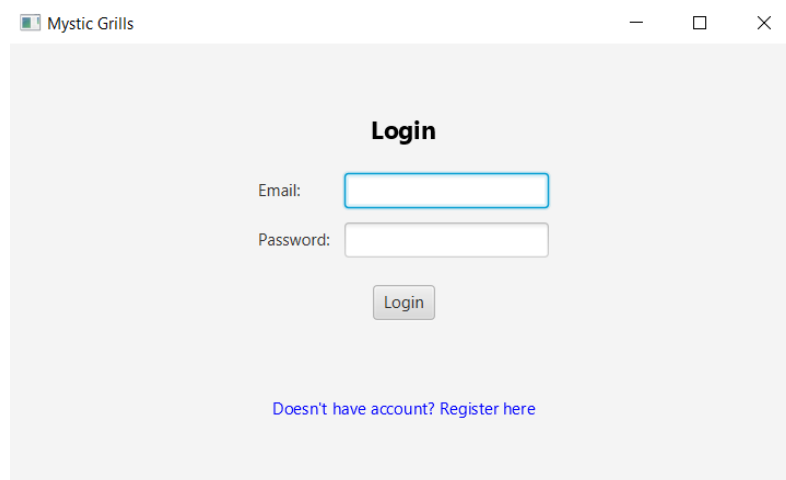
## **Landing Page**



Landing Page

Landing page is accessible to all users, where users can login and register.

## **Login Page**



Login Page

On the login page, users can enter the required information to access the home view based on their user role. And it will authenticate to check whether the user exists in the database.

## Register Page

Mystic Grills - Register

Register

Username:

Email:

Password:

Confirm Password:

Register

[Already have an account? Login here](#)

Register Page

On the registration page, there is a form that users can fill out, and it includes several validations that the user must meet. Once these conditions are fulfilled, the program will create a new user account.

## Chef Panel

Mystic Grills - Chef Panel

| Order ID | Customer Name | Order Date | Order Total        |
|----------|---------------|------------|--------------------|
| 1        | John Doe      | 2023-12-01 | 60.959999999999994 |
| 2        | Jane Doe      | 2023-12-02 | 41.97              |
| 5        | Bob Johnson   | 2023-12-05 | 57.96              |
| 11       | Joni          | 2023-12-19 | 398.78999999999996 |
| 12       | Joni          | 2023-12-19 | 154268.1           |
| 13       | Joni          | 2023-12-19 | 44.97              |
|          |               |            |                    |
|          |               |            |                    |
|          |               |            |                    |
|          |               |            |                    |
|          |               |            |                    |
|          |               |            |                    |

| Menu Item        | Quantity | Price | Total |
|------------------|----------|-------|-------|
| Grilled Chicken  | 1        | 15.99 | 15.99 |
| Vegetarian Pasta | 2        | 12.99 | 25.98 |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |

Prepare Order

Delete Order

Add New Menu Item

Quantity

Update Quantity

Mystic Grill - Chef Panel

In the chef panel, users with the role "Chef" can access this page. Here, the chef can view orders that are still "Pending." When the chef clicks on a specific order, it will display the details of that order, including the associated menu items. The chef can also update and add menu items.

When the chef clicks the "Prepare" button, it will update the order status to "Prepared." The chef also has the option to delete an order.

Waiter Panel

Mystic Grills - Waiter Panel

| Order ID | Customer Name | Order Date | Order Total |
|----------|---------------|------------|-------------|
| 3        | John Doe      | 2023-12-03 | 98.94       |
| 4        | Alice Smith   | 2023-12-04 | 77.96       |
| 6        | Alice Smith   | 2023-12-06 | 57.97       |
|          |               |            |             |
|          |               |            |             |
|          |               |            |             |
|          |               |            |             |
|          |               |            |             |
|          |               |            |             |
|          |               |            |             |

| Menu Item        | Quantity | Price | Total |
|------------------|----------|-------|-------|
| Grilled Chicken  | 1        | 15.99 | 15.99 |
| Vegetarian Pasta | 2        | 12.99 | 25.98 |
| BBQ Ribs         | 3        | 18.99 | 56.97 |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |

Serve Order

Delete Order

Add New Menu Item

Quantity

Update Quantity

Waiter Panel

In the waiter panel, users with the role "Waiter" can access this page. Here, the Waiter can view orders that are still "Prepared." When the waiter clicks on a specific order, it will display the details of that order, including the associated menu items. The waiter can also update and add menu items.

When the waiter clicks the "Serve" button, it will update the order status to "Served." The chef also has the option to delete an order.

## Chef and Cashier - Add Menu Item Panel

Add New Menu Item

| Name                 | Description                    | Price |
|----------------------|--------------------------------|-------|
| Grilled Chicken      | Juicy grilled chicken served w | 15.99 |
| Vegetarian Pasta     | Pasta with a mix of fresh vege | 12.99 |
| BBQ Ribs             | Tender BBQ ribs with a side of | 18.99 |
| Salmon Steak         | Grilled salmon steak with lemo | 22.99 |
| Margherita Pizza     | Classic pizza with tomato, moz | 14.99 |
| Shrimp Scampi        | Garlic butter shrimp served ov | 19.99 |
| Steakhouse Burger    | Juicy beef patty with cheese a | 16.99 |
| Chicken Caesar Salad | Fresh salad with grilled chick | 13.99 |
| Vegetable Stir-Fry   | Assorted vegetables stir-fried | 11.99 |
| Tiramisu             | Classic Italian dessert with c | 8.99  |
| Fish Tacos           | Tacos filled with grilled fish | 17.99 |
| Mango Sorbet         | Refreshing mango-flavored sorb | 6.99  |
|                      |                                |       |
|                      |                                |       |
|                      |                                |       |

Quantity:

Add

### Add New Menu Item Panel

This panel will show up if the chef and cashier click the *Add New Menu Item* button. When the user clicks the *Add* Button. The new item will be added to the Chef/Cashier Panel.

## Admin Panel - Menu Item Management

Mystic Grills - Admin

User Management

Menu Item Management

| ID | Name                 | Description                    | Price |
|----|----------------------|--------------------------------|-------|
| 1  | Grilled Chicken      | Juicy grilled chicken served w | 15.99 |
| 2  | Vegetarian Pasta     | Pasta with a mix of fresh vege | 12.99 |
| 3  | BBQ Ribs             | Tender BBQ ribs with a side of | 18.99 |
| 4  | Salmon Steak         | Grilled salmon steak with lemo | 22.99 |
| 5  | Margherita Pizza     | Classic pizza with tomato, moz | 14.99 |
| 6  | Shrimp Scampi        | Garlic butter shrimp served ov | 19.99 |
| 7  | Steakhouse Burger    | Juicy beef patty with cheese a | 16.99 |
| 8  | Chicken Caesar Salad | Fresh salad with grilled chick | 13.99 |
| 9  | Vegetable Stir-Fry   | Assorted vegetables stir-fried | 11.99 |
| 10 | Tiramisu             | Classic Italian dessert with c | 8.99  |
| 11 | Fish Tacos           | Tacos filled with grilled fish | 17.99 |
| 12 | Mango Sorbet         | Refreshing mango-flavored sorb | 6.99  |
|    |                      |                                |       |
|    |                      |                                |       |

Menuitem ID:

1

Menuitem Name:

Grilled Chicken

Menuitem Description:

Juicy grilled chicken serve

Menuitem Price:

15.99

Update

Delete

Add

### Admin Panel Menu Item Management

User with role “Admin” can access Admin Panel, there are two sections in admin panel : MenuItem Management and User Management. In the MenuItem Management section, the admin can perform insert, update, and delete operations on a menuItem, and it includes various validations that must be met.

# Admin Panel - User Management

Mystic Grills - Admin

User Management

Menu Item Management

| Username     | Role     | ID | Email                   | Password           |
|--------------|----------|----|-------------------------|--------------------|
| Admin User   | Admin    | 1  | admin@example.com       | adminpassword      |
| John Doe     | Customer | 2  | john.doe@example.com    | johnpassword       |
| Jane Doe     | Customer | 3  | jane.doe@example.com    | janepassword       |
| Alice Smith  | Customer | 4  | alice.smith@example.com | alicepassword      |
| Bob Johnson  | Customer | 5  | bob.johnson@example.com | bobpassword        |
| Super Admin  | Admin    | 6  | superadmin@example.com  | superadminpassword |
| Gandi        | Chef     | 7  | chef@gmail.com          | chef               |
| Makro        | Waiter   | 8  | waiter@gmail.com        | waiter             |
| Joni         | Customer | 9  | customer@gmail.com      | customer           |
| Kevin        | Admin    | 10 | admin@gmail.com         | admin              |
| Salsha       | Cashier  | 11 | cashier@gmail.com       | cashier            |
| customer Two | Customer | 12 | customer@email.com      | customer           |
| kevindjong   | Customer | 13 | djong@gmail.com         | djong123           |
|              |          |    |                         |                    |

User ID:

1

User Name:

Admin User

User Role:

Admin

User Email:

admin@example.com

User Pass...

adminpassword

Update

Delete

## Admin Panel User Management

In the User Management section, when the admin selects a user, they can modify the user's role.



## Customer Panel - Add New Order

Mystic Grills - Customer Panel

Add order

View History

| Name                 | Description                    | Price |
|----------------------|--------------------------------|-------|
| Grilled Chicken      | Juicy grilled chicken served w | 15.99 |
| Vegetarian Pasta     | Pasta with a mix of fresh vege | 12.99 |
| BBQ Ribs             | Tender BBQ ribs with a side of | 18.99 |
| Salmon Steak         | Grilled salmon steak with lemo | 22.99 |
| Margherita Pizza     | Classic pizza with tomato, moz | 14.99 |
| Shrimp Scampi        | Garlic butter shrimp served ov | 19.99 |
| Steakhouse Burger    | Juicy beef patty with cheese a | 16.99 |
| Chicken Caesar Salad | Fresh salad with grilled chick | 13.99 |
| Vegetable Stir-Fry   | Assorted vegetables stir-fried | 11.99 |
| Tiramisu             | Classic Italian dessert with c | 8.99  |
| Fish Tacos           | Tacos filled with grilled fish | 17.99 |
| Mango Sorbet         | Refreshing mango-flavored sorb | 6.99  |

Name:

Fish Tacos

Desc:

Tacos filled with grilled fis

Price:

17.99

Quantity:

5

Add

Edit

Finalize

| Name               | Quantity |
|--------------------|----------|
| Vegetable Stir-Fry | 4        |
| Fish Tacos         | 5        |
|                    |          |
|                    |          |
|                    |          |
|                    |          |
|                    |          |
|                    |          |
|                    |          |
|                    |          |

### Customer Panel Add New Order

In the customer panel, users with the role "Customer" can access this page. Inside, there are two sections: add order and view history. In the add order page, a TableView will display available menu items. Users can click on a menuItem, enter the quantity, and add it to the cart. In the cart section, users can edit the quantity of items already added. Once everything is finalized, the user can place the order, and the program will create the order.

# Customer Panel - Order History

Mystic Grills - Customer Panel

Add order

View History

| Order ID | Status  | Date       |
|----------|---------|------------|
| 11       | Pending | 2023-12-14 |
| 12       | Paid    | 2023-12-14 |
| 15       | Paid    | 2023-12-14 |
| 16       | Paid    | 2023-12-14 |
| 17       | Paid    | 2023-12-16 |
|          |         |            |
|          |         |            |
|          |         |            |
|          |         |            |
|          |         |            |
|          |         |            |
|          |         |            |
|          |         |            |

Customer Panel  
Order History

In the History section, there is a TableView displaying orders previously made by a customer. Users can view the details of an order by double-clicking on the TableView. Subsequently, a page will appear allowing the user to manage that particular order.

## Customer Panel - Order History Detail

[illegible]

## Customer Panel

### Order History Detail

In the order history, users can view details of the orders they have placed, such as the name and quantity of the menu items ordered. They can also modify the quantity of menu items that have been selected if the order status is still pending. In addition to changing the quantity, users can add new menu items to the order by clicking the "Add New Item" button. Furthermore, users can return to the order history page by clicking the "Back" button.

# Customer Panel - Add New Item

Order Items Table View

| Name                 | Description                    | Price |
|----------------------|--------------------------------|-------|
| Grilled Chicken      | Juicy grilled chicken served w | 15.99 |
| Vegetarian Pasta     | Pasta with a mix of fresh vege | 12.99 |
| BBQ Ribs             | Tender BBQ ribs with a side of | 18.99 |
| Salmon Steak         | Grilled salmon steak with lemo | 22.99 |
| Margherita Pizza     | Classic pizza with tomato, moz | 14.99 |
| Shrimp Scampi        | Garlic butter shrimp served ov | 19.99 |
| Steakhouse Burger    | Juicy beef patty with cheese a | 16.99 |
| Chicken Caesar Salad | Fresh salad with grilled chick | 13.99 |
| Vegetable Stir-Fry   | Assorted vegetables stir-fried | 11.99 |
| Tiramisu             | Classic Italian dessert with c | 8.99  |
| Fish Tacos           | Tacos filled with grilled fish | 17.99 |
| Mango Sorbet         | Refreshing mango-flavored sorb | 6.99  |
|                      |                                |       |
|                      |                                |       |
|                      |                                |       |

Name:

Desc:

Price:

Quantity:

Add

## Customer Panel Add new item on Order History

Here, it's similar to when a user places an order for the first time. The user selects a menu item and enters the quantity of the order, then clicks "Add."

## Cashier Panel - Order Management

Mystic Grills - Cashier Panel

OrderReceipt

| Order ID | Customer Name | Order Date | Order Total |
|----------|---------------|------------|-------------|
| 3        | John Doe      | 2023-12-03 | 178.89      |
|          |               |            |             |
|          |               |            |             |
|          |               |            |             |
|          |               |            |             |
|          |               |            |             |
|          |               |            |             |
|          |               |            |             |
|          |               |            |             |
|          |               |            |             |

| Menu Item        | Quantity | Price | Total |
|------------------|----------|-------|-------|
| Grilled Chicken  | 6        | 15.99 | 95.94 |
| Vegetarian Pasta | 2        | 12.99 | 25.98 |
| BBQ Ribs         | 3        | 18.99 | 56.97 |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |

Payment Type: Cash  
Serve Order

Cashier Panel  
Order Management

In the cashier panel, users with the user role "Cashier" can access this page. Inside, there are two menus: Order and Receipt. In the Order section, users can view a TableView containing orders in the "Served" status. When the cashier clicks on a specific order in the TableView, it will display the details of that order, including the menu items. When the cashier processes an order, they will be prompted to choose a payment method. Once completed, the status of the order will be changed to "Paid," and a new receipt will be generated.

# Cashier Panel - Receipt Management

Mystic Grills - Cashier Panel

OrderReceipt

| Receipt ID | Customer Name | Receipt Date | Receipt Total      |
|------------|---------------|--------------|--------------------|
| 1          | John Doe      | 2023-12-01   | 60.959999999999994 |
| 2          | Jane Doe      | 2023-12-02   | 41.97              |
| 3          | John Doe      | 2023-12-03   | 178.89             |
| 6          | Alice Smith   | 2023-12-06   | 57.97              |
| 7          | Super Admin   | 2023-12-07   | 41.97              |
| 8          | Gandi         | 2023-12-08   | 18.99              |
| 9          | Makro         | 2023-12-09   | 0.0                |
| 10         | Alice Smith   | 2023-12-12   | 77.96              |
| 11         | Alice Smith   | 2023-12-12   | 77.96              |
| 12         | Alice Smith   | 2023-12-12   | 77.96              |
| 13         | Alice Smith   | 2023-12-12   | 77.96              |
| 14         | Super Admin   | 2023-12-19   | 41.97              |

| Menu Item           | Quantity | Price | Total |
|---------------------|----------|-------|-------|
| No content in table |          |       |       |

Cashier Panel  
Receipt Management (Receipt Unselected)

| Receipt ID | Customer Name | Receipt Date | Receipt Total      |
|------------|---------------|--------------|--------------------|
| 1          | John Doe      | 2023-12-01   | 60.959999999999994 |
| 2          | Jane Doe      | 2023-12-02   | 41.97              |
| 3          | John Doe      | 2023-12-03   | 178.89             |
| 6          | Alice Smith   | 2023-12-06   | 57.97              |
| 7          | Super Admin   | 2023-12-07   | 41.97              |
| 8          | Gandi         | 2023-12-08   | 18.99              |
| 9          | Makro         | 2023-12-09   | 0.0                |
| 10         | Alice Smith   | 2023-12-12   | 77.96              |
| 11         | Alice Smith   | 2023-12-12   | 77.96              |
| 12         | Alice Smith   | 2023-12-12   | 77.96              |
| 13         | Alice Smith   | 2023-12-12   | 77.96              |
| 14         | Super Admin   | 2023-12-19   | 41.97              |

| Menu Item        | Quantity | Price | Total |
|------------------|----------|-------|-------|
| Grilled Chicken  | 1        | 15.99 | 15.99 |
| Vegetarian Pasta | 2        | 12.99 | 25.98 |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |
|                  |          |       |       |

Cashier Panel  
Receipt Management (Receipt Selected)

In the Receipt section, a TableView will display receipts. When the cashier clicks on a specific receipt, it will show the details of that receipt, including a TableView containing the menu items from that particular receipt.

- **Reference**
  - JavaFX Documentation, <https://openjfx.io/>.
  - Online Learning, Zoom.

● **Group Member**

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