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جامعة الملك عبدالعزيز

CPCS 405

Group Project

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Restaurant System

Project Description

In our project, we aim to create a restaurant system where a customer can directly make his order and send it to the kitchen online. A customer can either login or signup and start making his order. Afterwards, he can monitor the status of his order if it's accepted or not. From the kitchen side, it can change the menu either by adding a dish or removing it.

Requirement Specification

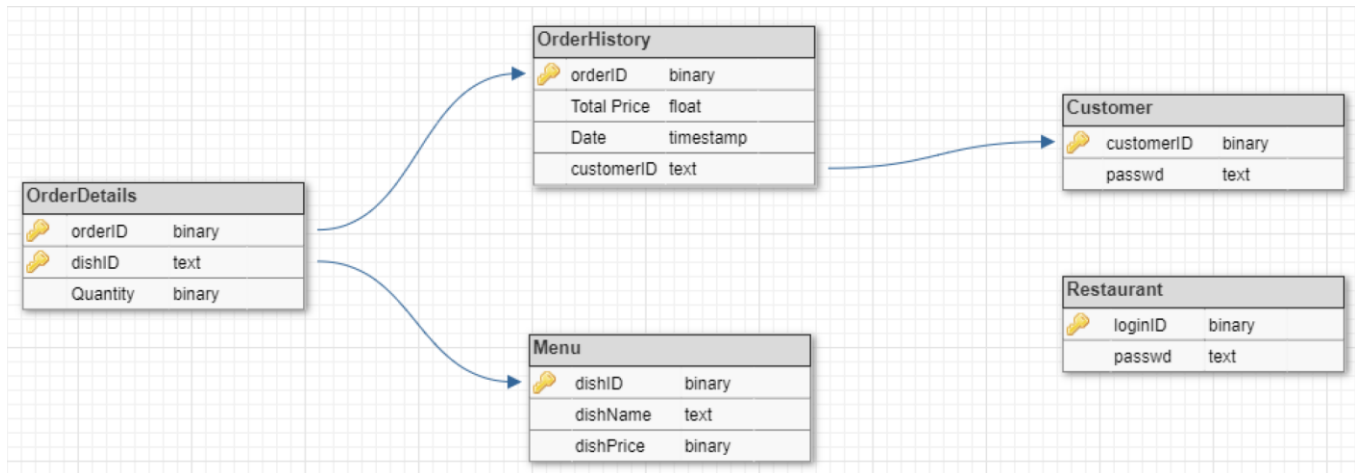
Functional Requirements

- Login as restaurant or customer
- Sign up as customer
- Add dish to order
- Delete dish from order
- Confirm order
- Check order status
- View orders
- Accept order
- Reject order
- Deliver order
- Add products
- Delete product

Non-functional Requirements

- Serve many clients at the same time
- Fast
- Simple user interface

Database



Windows for GUI

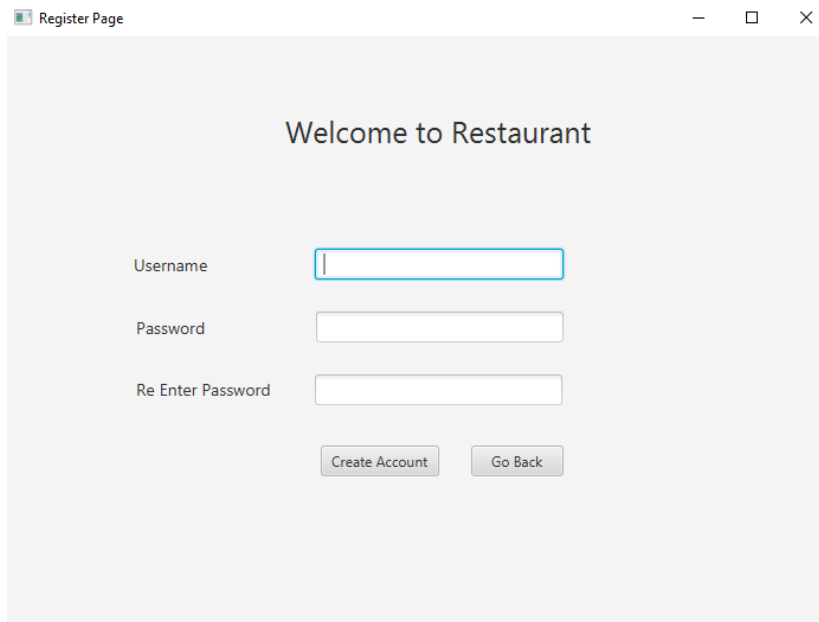
1- Welcome window

Display welcome message and ask to login

The screenshot shows a window titled "Log In Page" with a light gray background. The main heading is "Welcome to Restaurant". Below the heading, there are two input fields: "Username" and "Password". Under the "Password" field, there are two buttons: "Login" and "Exit". At the bottom, there is a link "Don't Have an account?" followed by a "Register" button.

2- Register window for new customer

Ask for username and password



The image shows a window titled "Register Page" with standard window controls (minimize, maximize, close). The main heading is "Welcome to Restaurant". Below this, there are three input fields: "Username", "Password", and "Re Enter Password". At the bottom, there are two buttons: "Create Account" and "Go Back".

Register Page

Welcome to Restaurant

Username

Password

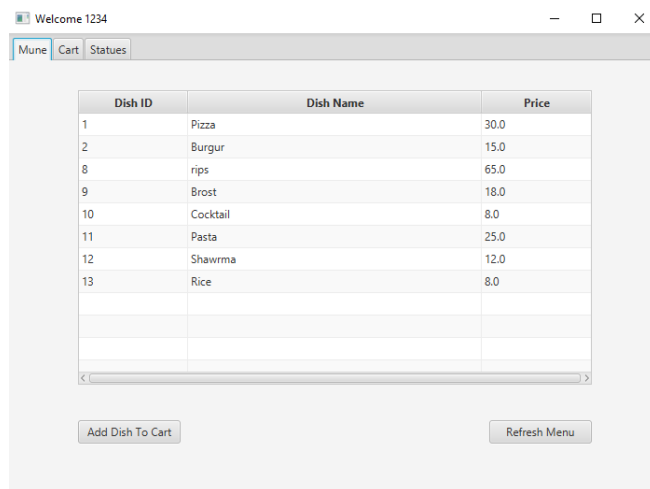
Re Enter Password

Create Account Go Back

3- Customer page

Display taps for:

- Menu to add dish to cart
- Cart tab: confirm order, remove dish from cart
- Order history: show previous orders for the client with status



The image shows a window titled "Welcome 1234" with standard window controls (minimize, maximize, close). It has a tabbed interface with three tabs: "Menu" (selected), "Cart", and "Statues". The "Menu" tab displays a table with three columns: "Dish ID", "Dish Name", and "Price". The table contains 13 rows of data. Below the table, there are two buttons: "Add Dish To Cart" and "Refresh Menu".

Welcome 1234

Menu Cart Statues

Dish ID	Dish Name	Price
1	Pizza	30.0
2	Burgur	15.0
8	rips	65.0
9	Brost	18.0
10	Cocktail	8.0
11	Pasta	25.0
12	Shawrma	12.0
13	Rice	8.0

Add Dish To Cart Refresh Menu

4- Restaurant Page

Display taps for:

- New orders: Receive orders for either accepting or rejecting
- Order progression: select order to be served
- Orders history (Delivered Order)
- Menu: add or delete dish from menu

Welcome To Kitchen admin

New Order | Order In Progress | Delivered Order | Menu

Order ID	List of Dishes	Total Price	Coustemer ID	Time Of order
7	{2=1, 9=1}	33.0	1234	Sun Dec 05 19:3...

< | >

Confirm Order | Load New Orders | Reject Order

5- Add new dish

Insert dish name and price

Add new Dish

Name

Price

Add | Go Back

Use-case Diagram

