



UNIVERSITI
TEKNOLOGI
PETRONAS

TEB 1043 / TFB 1033: Object-Oriented Programming

Final Project Documentation: YOYAKU

Lecturer: Dr. Nordin Zakaria

Submission Date: 25 July 2024

Bil.	Name	Student ID	Course
1.	See Tho Soon Yinn (Leader)	24000187	CS
2.	Avinash Kumar a/l Jayaseelan	24000113	CS
3.	Ashwin a/l Ravichandran	22012188	CS
4.	Syukri Fadhli Bin Ahmad	24000074	CS
5.	Hamzah Muhsin Bin Hafiz Al-Asadi	22001057	CS

Table of Contents

1.0 Introduction	3
1.1 Project Description	
1.2 Objectives	
1.3 Application	
1.4 Market Potential	
2.0 UML Diagram	4
3.0 Project Implementation	5
3.1 Main Menu	
3.2 Client Manager	
3.3 Reservation Manager	
3.4 Table Manager	
4.0 Conclusion	11

Introduction

Project Description:

This project involves the development of a robust client-server reservation system designed to streamline the booking and management of tables and dining services within a restaurant setting. The system will enable customers to reserve tables, and restaurant staff to manage reservation

Objectives:

Develop a User-Friendly Interface: Customers can easily navigate and make reservations. Administrative Control: Provide restaurant managers with tools to manage reservations, and approve or deny booking requests.

Application:

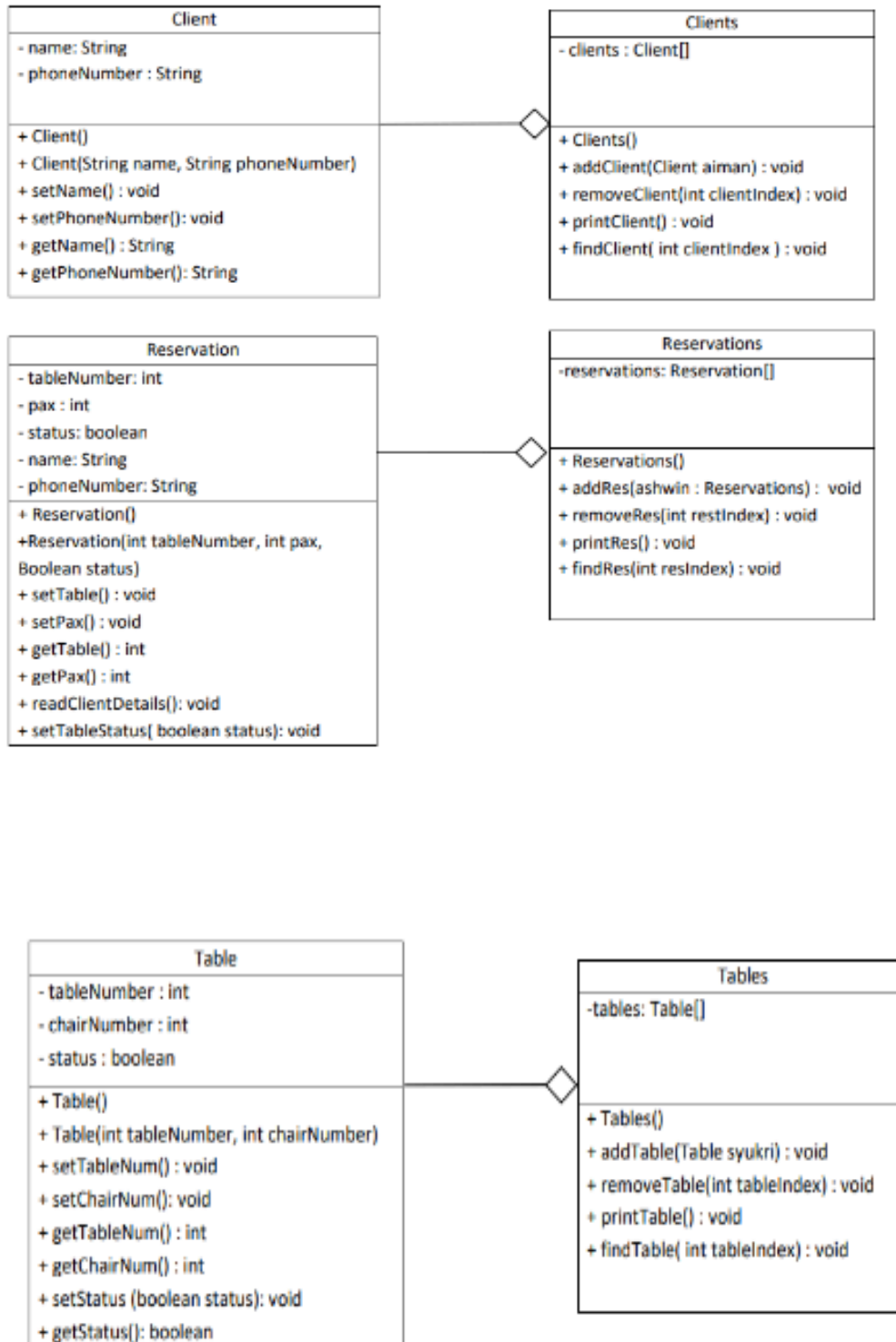
User Authentication and Roles: Secure login with role-based access for customers, restaurant staff, and administrators. Reservation Management: Customers can book, modify, and cancel reservations for tables. Mobile Compatibility: Responsive design for access on desktops, tablets, and smartphones. Feedback System: Allow customers to provide feedback on their dining experience and the booking process.

Market Potential:

Restaurants: Primary market includes small and medium scale restaurants seeking efficient table management solutions. Customization Opportunities: Potential to customise and expand the system for specific needs of different types of restaurants (casual dining & cafes). Potential Customers: Targeting independent restaurants as well as restaurant chains enhances market reach.

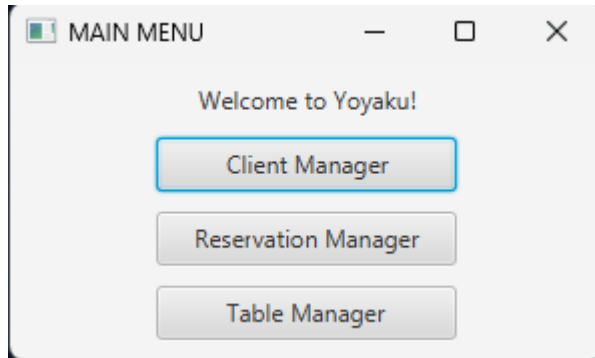
UML Diagram

UML DIAGRAM

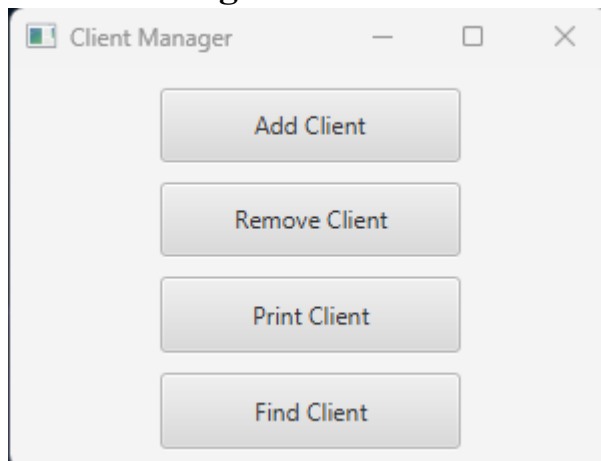


Project Implementation

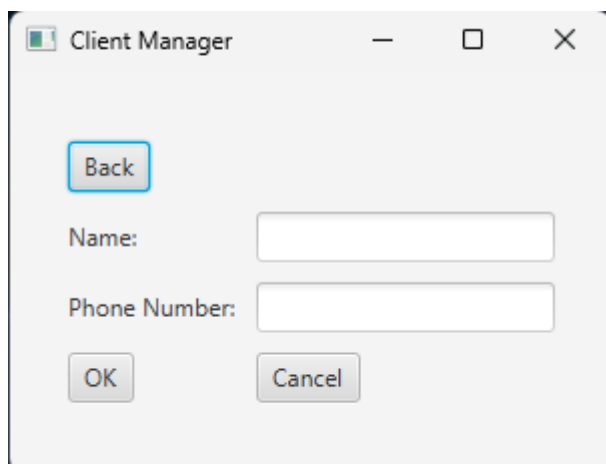
Main Menu:



Client Manager:

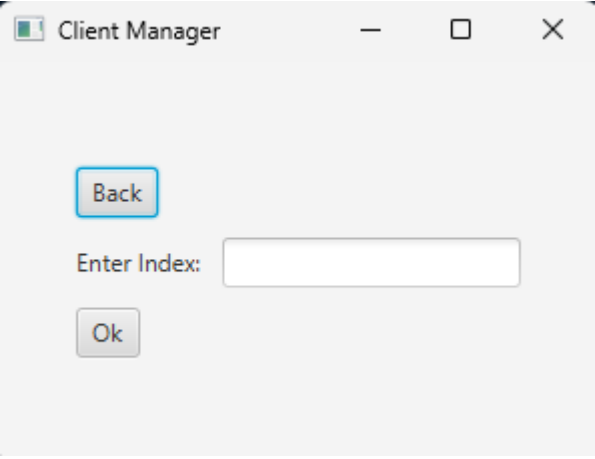


Add Client:



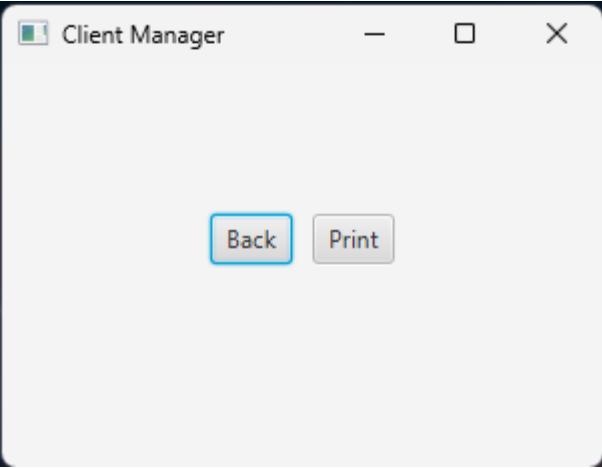
YOYAKU

Remove Client:



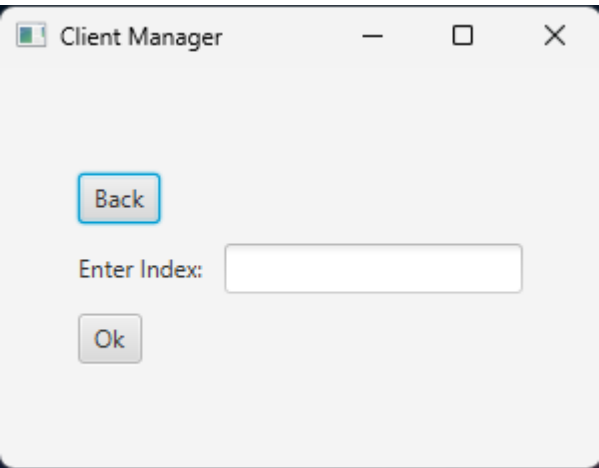
A screenshot of a Windows-style window titled "Client Manager". The window has a light gray background and standard window controls (minimize, maximize, close) in the top right corner. Inside the window, there is a "Back" button with a blue border, a text label "Enter Index:" followed by a white text input field, and an "Ok" button below the input field.

Print Client:



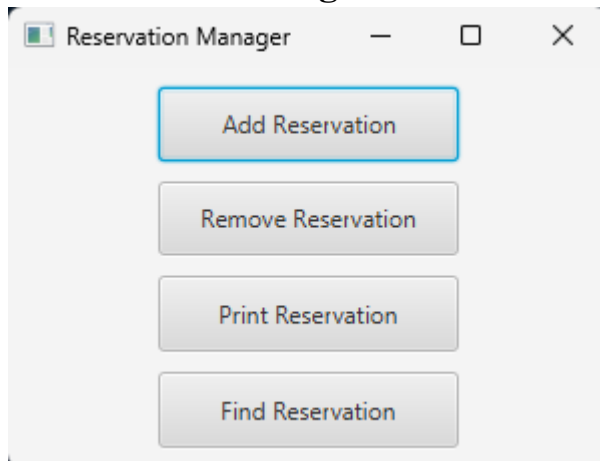
A screenshot of a Windows-style window titled "Client Manager". The window has a light gray background and standard window controls (minimize, maximize, close) in the top right corner. Inside the window, there are two buttons: "Back" with a blue border and "Print" with a gray border, positioned side-by-side in the center of the window.

Find Client:

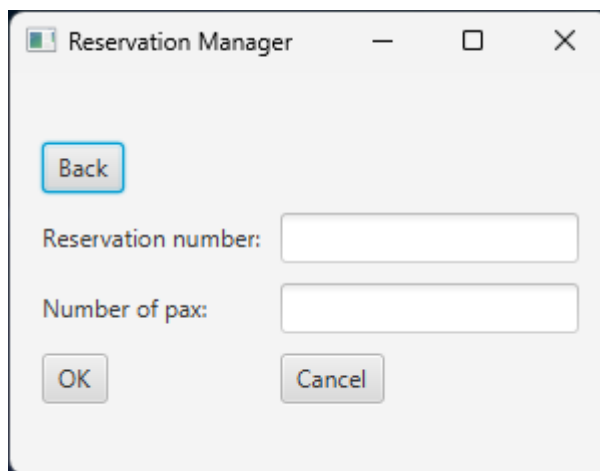


A screenshot of a Windows-style window titled "Client Manager". The window has a light gray background and standard window controls (minimize, maximize, close) in the top right corner. Inside the window, there is a "Back" button with a blue border, a text label "Enter Index:" followed by a white text input field, and an "Ok" button below the input field.

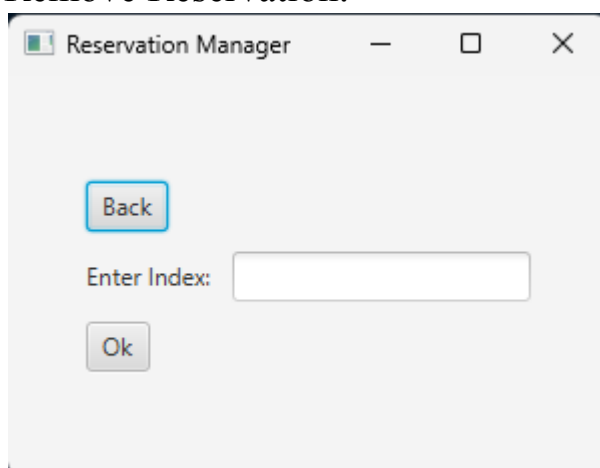
Reservation Manager:



Add Reservation:

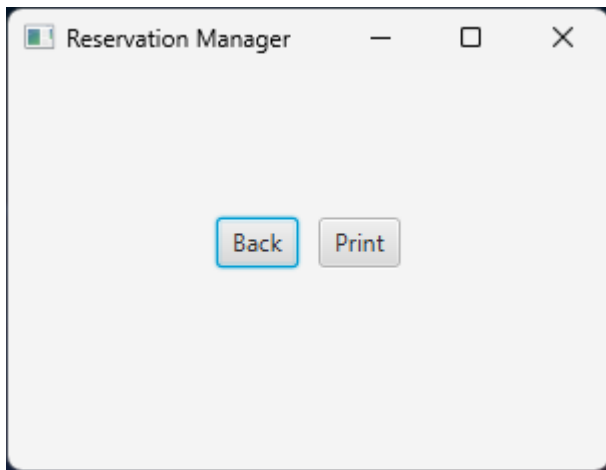


Remove Reservation:



YOYAKU

Print Reservation:



Find Reservation:

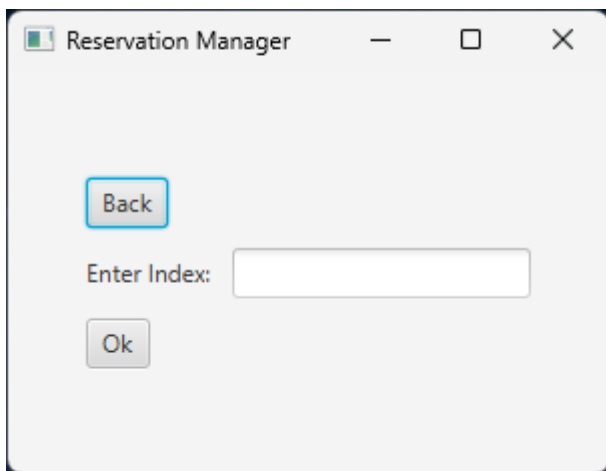
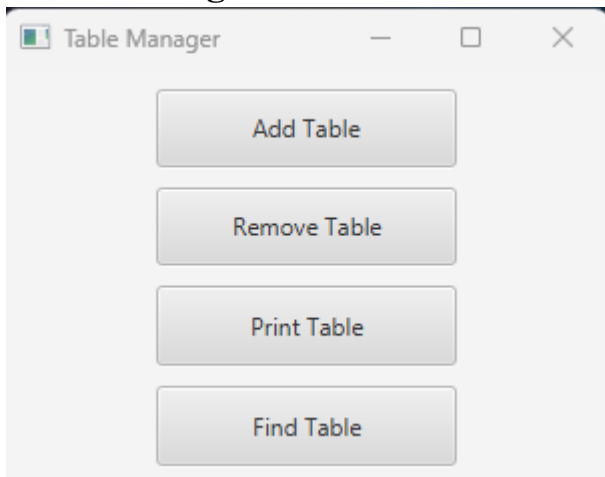
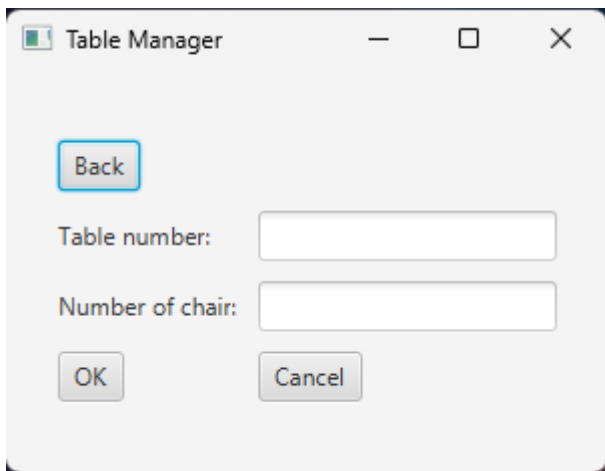


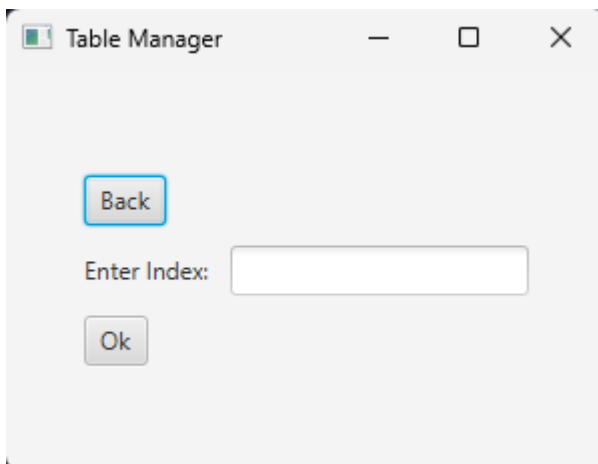
Table Manager:



Add Table:

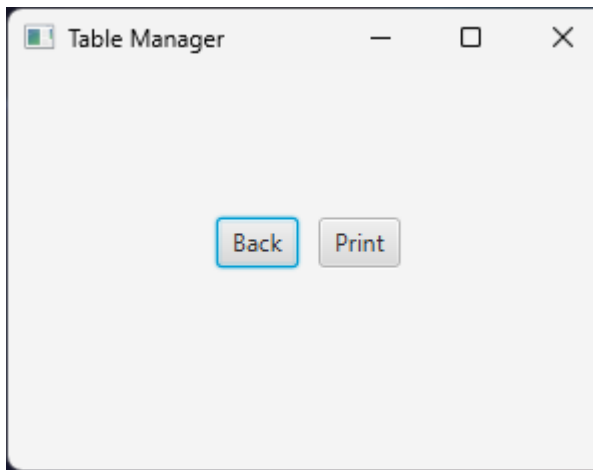


Remove Table:

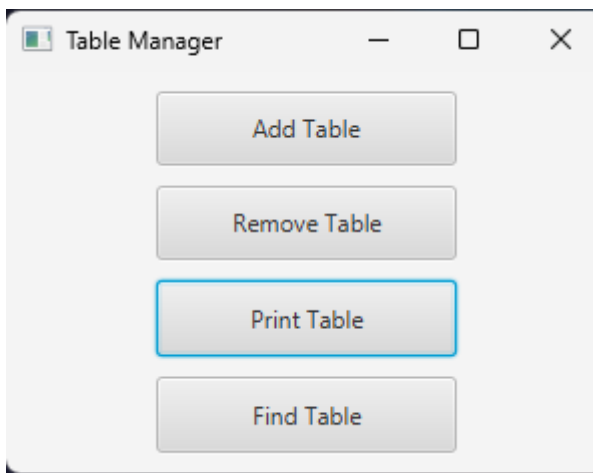


YOYAKU

Print Table:



Find Table:



Conclusion

This project aims to provide a practical solution for the restaurant industry by simplifying the booking and management of tables and dining services. By developing a user-friendly interface and tools for administrative control, the system will help restaurants efficiently handle reservations and improve customer satisfaction. With features like secure user authentication, mobile compatibility, and a feedback system, this project has the potential to enhance the daily operations of small to medium-sized restaurants. Overall, this reservation system can contribute to more organised and streamlined restaurant management.