System Concept

This is an ordering system that aims to impact restaurant customer satisfaction, a total revolution to how restaurants serve customers. This system allows customers to place an order from the convenience of their home or even their work place. On an order a customer selects options from the menu, provide their first name, specify the number of guests that are to be prepared for and the date and time of arrival for an order. The application is also equipped with interfaces for the restaurant's waiting staff and kitchen staff to view customer order details and carry out their functions to fulfill an order.

System Objective

The system's goal is to establish the restaurant brand locally, put effort towards customer satisfaction, and establish the restaurant name as a household brand.

Business Opportunity

With an advent of this type of business technological system the restaurant will gain more competitive power locally, establish their brand, and have to simplified customer facing business processes and make the restaurant operate in a very customer friendly manner. Waiting time when a customer gets at the restaurant is practically nonexistent, the restaurant will handle its operations efficiently.

System Actors

- Customer – The customers use the system to place their food and drinks orders.
- Waiter – The waiter uses the system to view details about the order such as number of customer name, number of guests, and time of arrival.
- Kitchen Staff – The Kitchen staff use the system to view the actual order and what is to be prepared for the customer, the menu pick.

System Capabilities

The system will allow customers to select what they want to order from a range of menu options. They are given an input field for customer name, an option to choose a number of guests they can choose to come with from one up to ten, an input field to specify the preferred date for the order, and an input fields to specify time and date of arrival at the restaurant for the order, accompanying the time input field are radio buttons to specify whether the customer will come for the order at the PM or AM hours. The system relates errors to an actor in a clear fashion, it is simple and easy to use.

Benefits And Practicality of The System

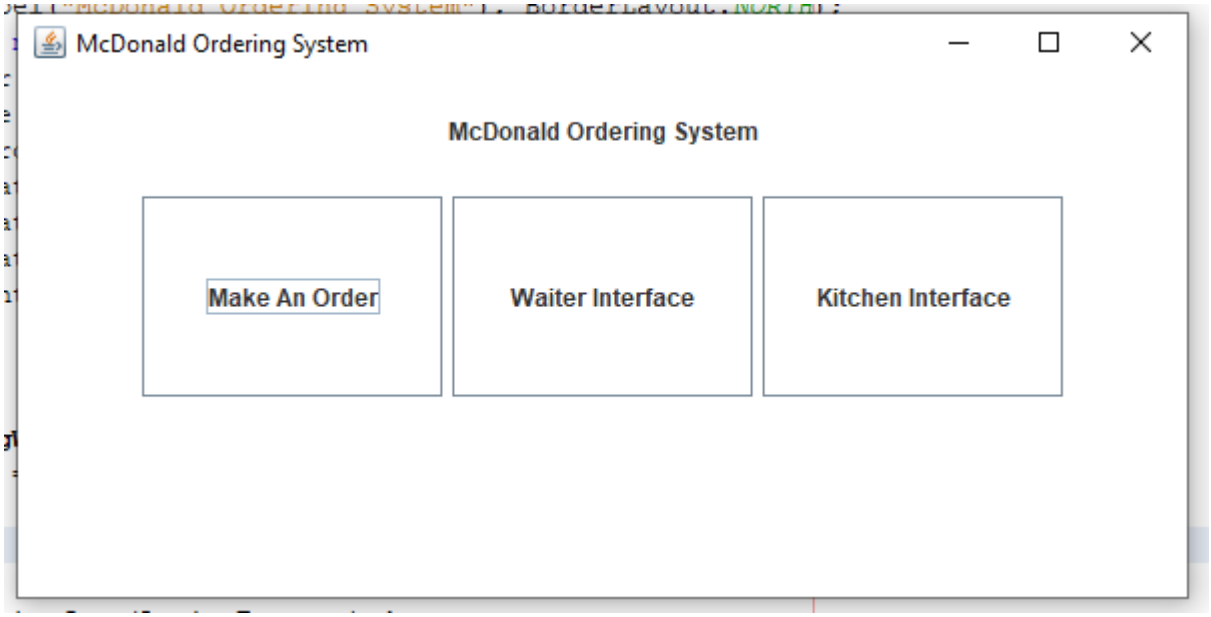
This application and its convenience to a busy worker, a working late mother or daughter, and/or a passerby driver on borrowed time, makes it a present wrapped with a red ribbon on top. The restaurant will be in a position to influence people's diet all the while sales are generated and brand established.

Definition of the System Requirements

- Design a JFrame interface for the customers' ordering form. The form is required to have an input field for the name of the paying customer, the dishes that they are ordering, the number of guests (including the customer), and the date and time of arrival at the restaurant. All the information from these inputs is to be saved in a text file.
- Validate booking time and date.
- Design a JFrame interface that the waiters will use to see order details such as the paying customer name, number of guests that are coming and their date and time of arrival. This interface should read the data it displays from the saved text file.
- Design a JFrame interface for the kitchen staff to prepare for the meal. The interface should only show the dishes ordered by the customer and should read from the text file with the customer's order.

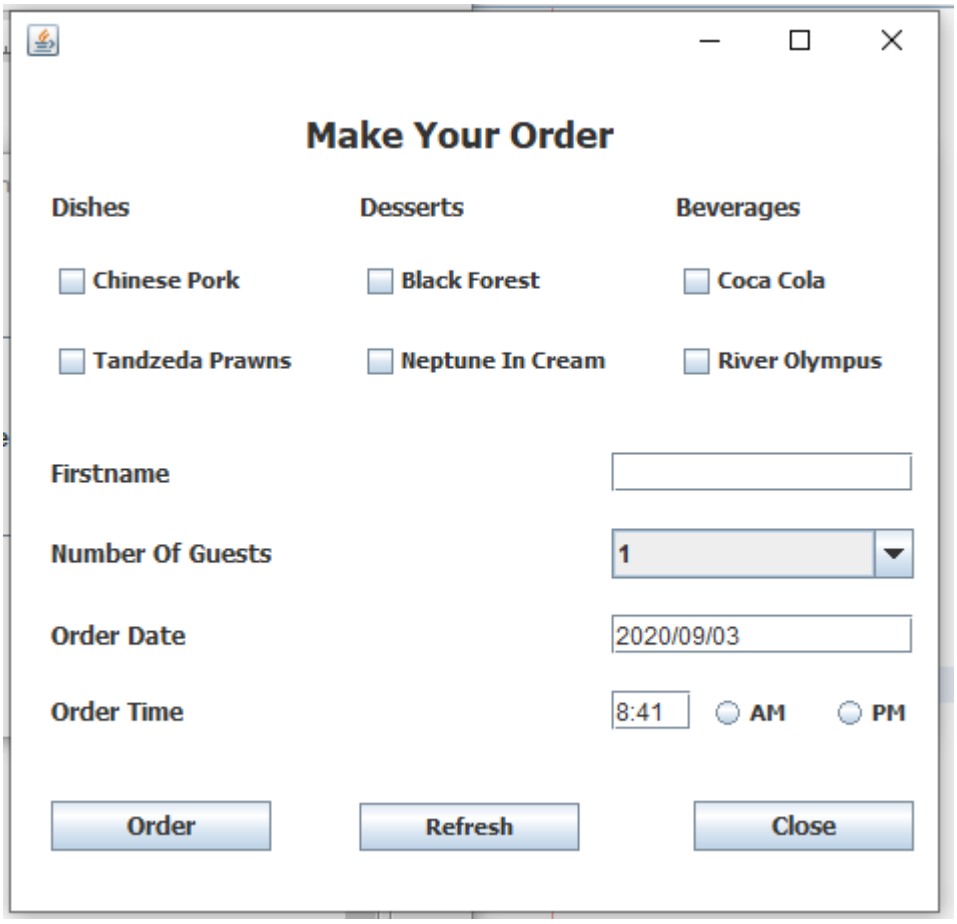
The Application Graphical User Interface: User Manual

Landing window / Main Window



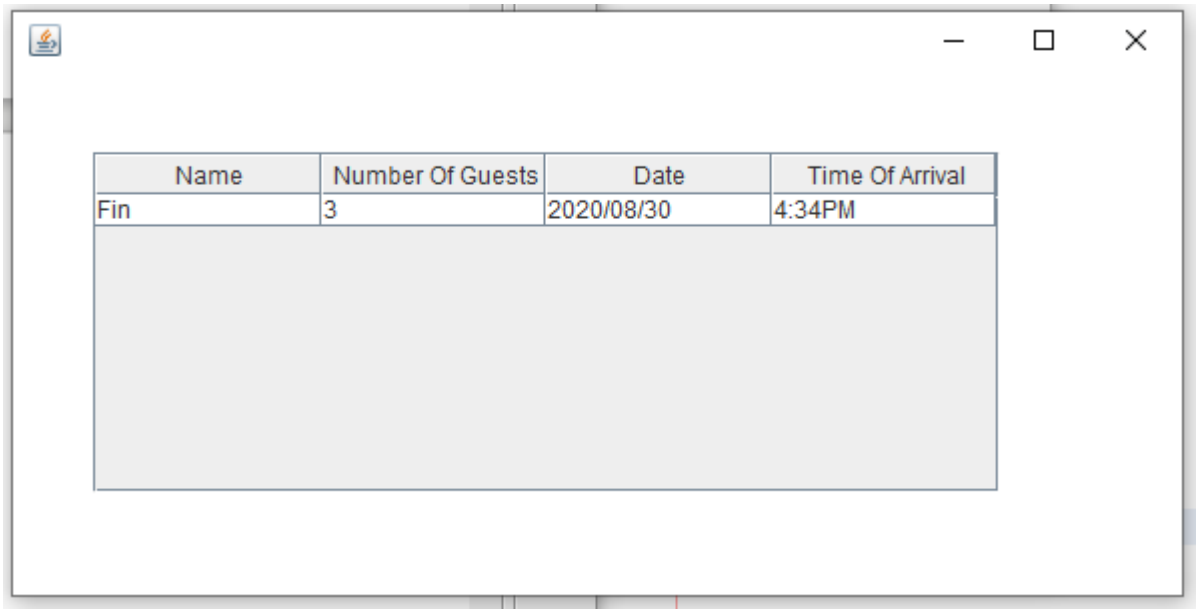
This is the main application window, users can find and use the three navigational buttons that lead to different forms.

- Make An Order Button - This button open a form where a customer can make their food order.



  - Order Button – After a menu selection has been made and customer name, number of guest, order time and date, this button writes and save order data to a text file.
  - Refresh Button – the button clears and refreshes the graphical user interface.
  - Close Button – this button hides this window.

- Waiter Interface Button – This button of the main window opens a table where waiters can be able to view order information such as customer name, number of guest including the customer that will come to the restaurant, and the time and date of their arrival.



- Kitchen Interface button – this button displays a table with dishes, drinks, and number of guests to serve for.