



School of Computer Sciences

CAT 200 – PROJECT FINAL REPORT

PENANG FOODIE

By:

[FOODIE DASH]

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INTRODUCTION

Penang Foodie is a local search-and-discovery mobile app that provides search results to the users. Penang Foodie is mainly focused on food discoveries. This application is essentially served as a guide to navigate the users' way through the best food, restaurants, food stalls and a must-visit cafe across Malaysia.

Indecisive people are often trapped in a situation of having difficulties to locate a place to eat. Based on some surveys on the internet, most people choose a place to dine according to several criteria including their budget, cuisine type and locations. However, to satisfy the aforementioned criteria while minimizing cost and time seems difficult.

To this, Penang Foodie Express comes with an idea to serve the users as an intermediary platform to navigate the best spot for dining by listing out a few recommendations to the users ranging from the type of food, location, price range and delivery service availability according to their preferences.

OBJECTIVE

This application is designed to ease the users to navigate dining spot. The details of the restaurants will be included such as address, halal status and delivery service availability.

OVERALL DESCRIPTION

Perspective

The Penang Foodie aims to find the best spot for dining and give a few restaurant recommendations to users. This application will be providing a medium for the users to enter food according to their tastes. Initially, the users will be prompted with a few questions as to generate the result that meet with the user's preferences. This application will sort out the possible and closest restaurants or dining spot that meet with the users' criteria. It gives recommendations of dining places based on the type of food they choose and their preferences such as delivery service availability and halal status. It depends on the user whether to follow the application's recommendation or not. This application tends to give the best recommendation as to assist them in decision making.

Product Functions

Penang Foodie will provide a few questions before it can produce outputs to the users. It is up to the users to fill in the questions box or not. The users may choose to leave the questions and all of the restaurants in Penang will be displayed. However, if users answer the prompted questions, Penang Foodie will filter restaurants outputs based on their criteria. The list of questions is as following:

- a. The type of cuisine - There are various category of food that user can choose such as western food, Indian food, Malay food, Chinese food, Arabic food and Korean food.
- b. Location - Users need to specify the location that they want to dine such as at Bayan Lepas, Gelugor ,nearby restaurant or all the restaurants available in the application
- c. Budget - This gives opportunity to user to set their budget and the system swill list out the places within the particular budget. We provide three options to users which are Cheap, Medium, Expensive
- d. Halal or non-halal - This application will make it easier for muslims to find halal restaurant.
- e. Delivery service availability - This application will ease the user to search the restaurant that provide delivery service , self pick up only or both.

Next, this application will filter all the foods and places based on users preference before it displays to the users.

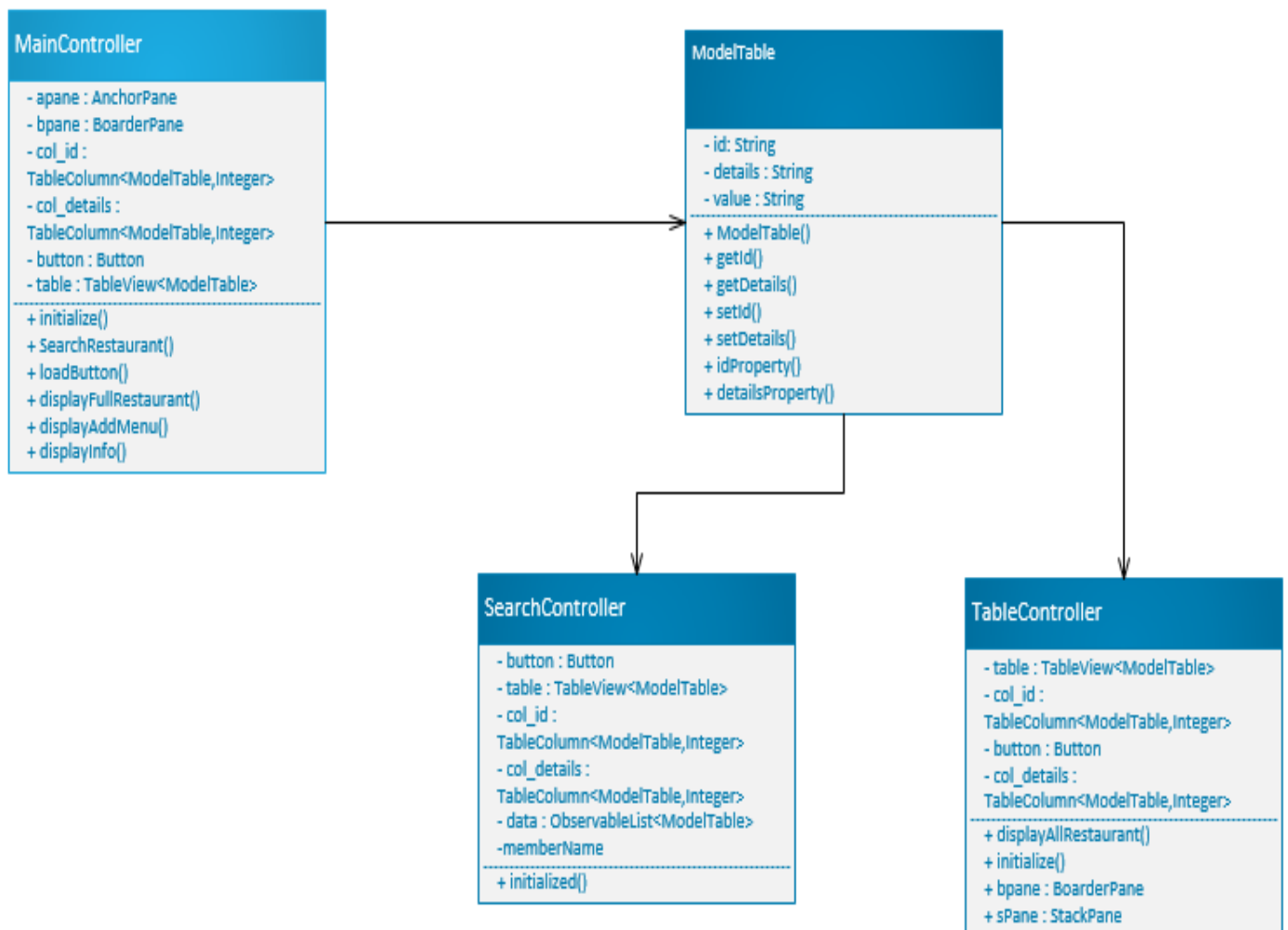
Users characteristics

Targeted to all age groups. This application may be convenient to indecisive people.

Constraints

There are possibilities that Penang Foodie application could not provide a lot of restaurants to the users as it meets the restaurants details limitation. Besides, this application could only recognize the restaurant and food stalls that are in the system.

UML CLASS DIAGRAM



PRINTSCREEN OF PROGRAM



Penang Foodie



Figure 1: The welcome screen

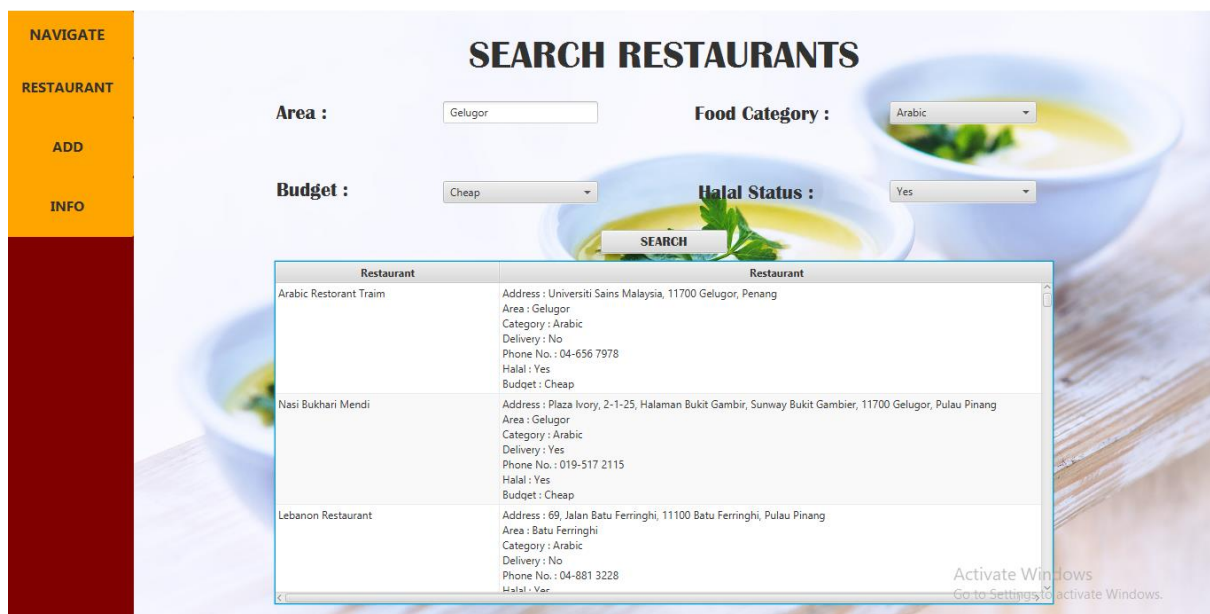


Figure 2: Navigation menu. It enables users to navigate restaurants based in their preferences

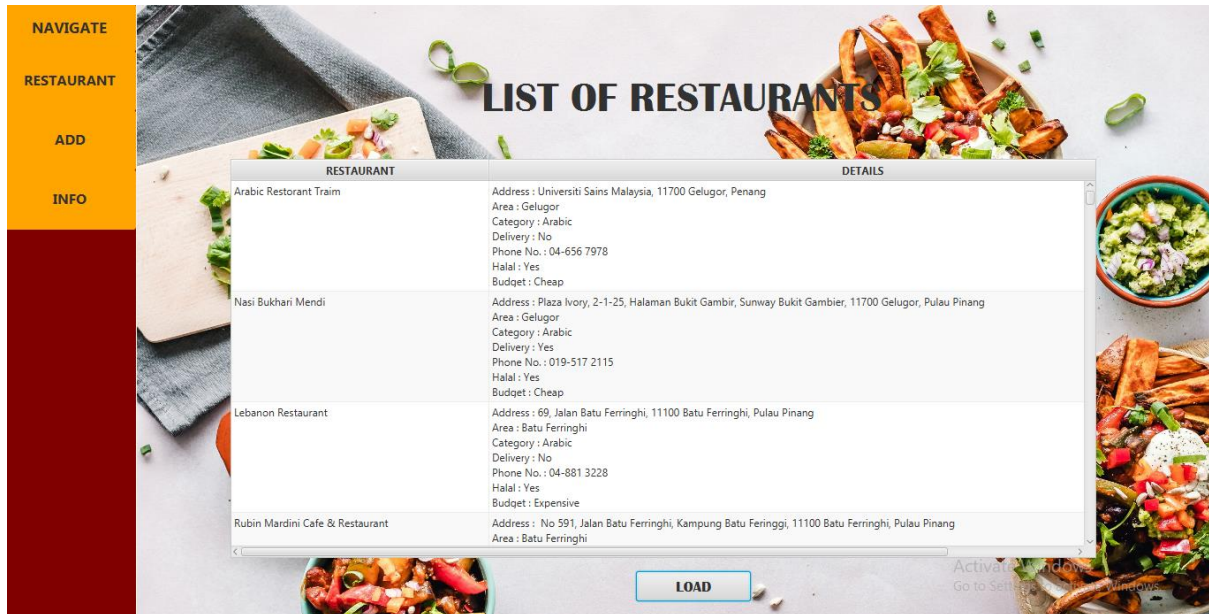


Figure 3: This screen is to load and display all of the restaurants available in the system

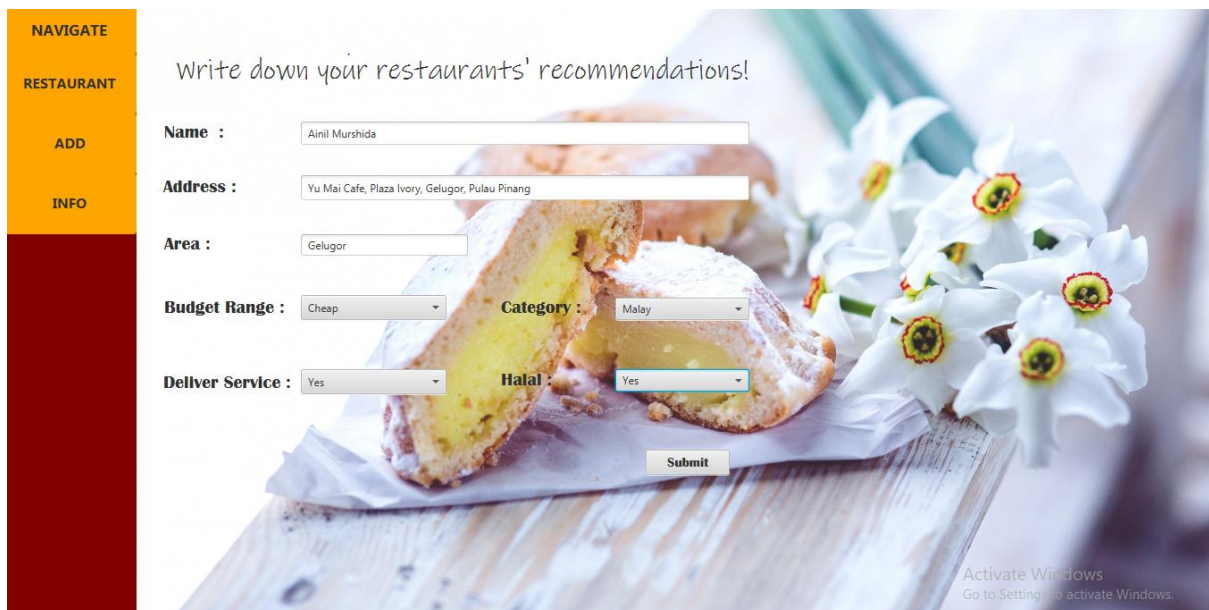


Figure 6: Add menu. It enables users to add any restaurants they recommend

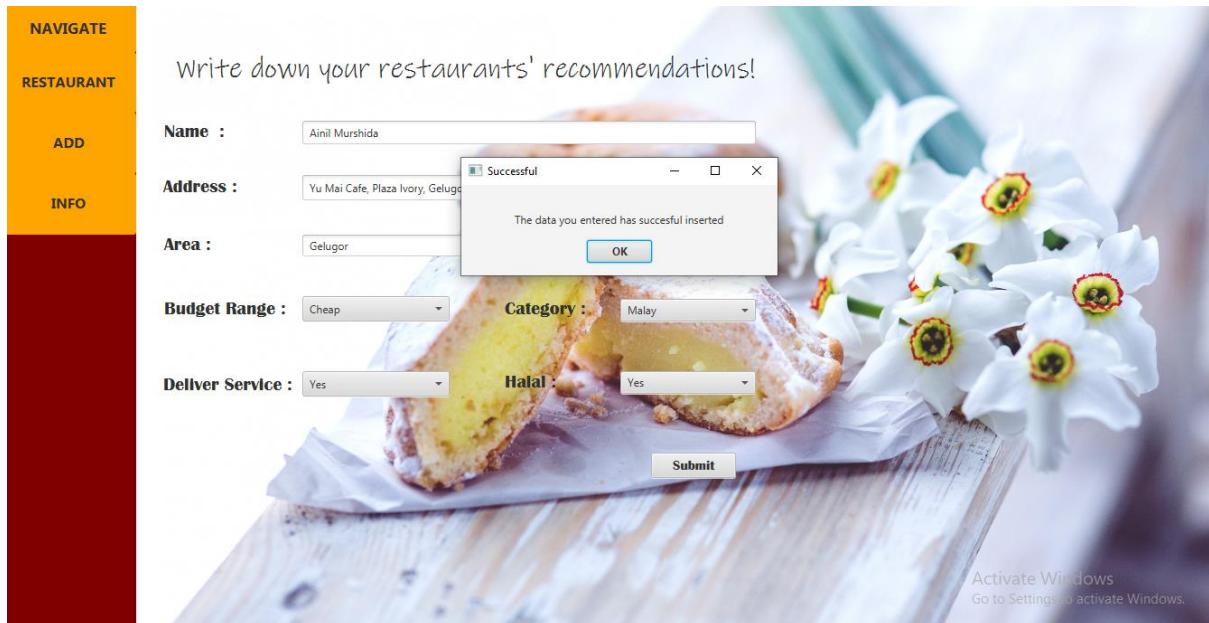


Figure 7: Message ‘the data you entered has successful inserted’ will pop up after entering data successfully.

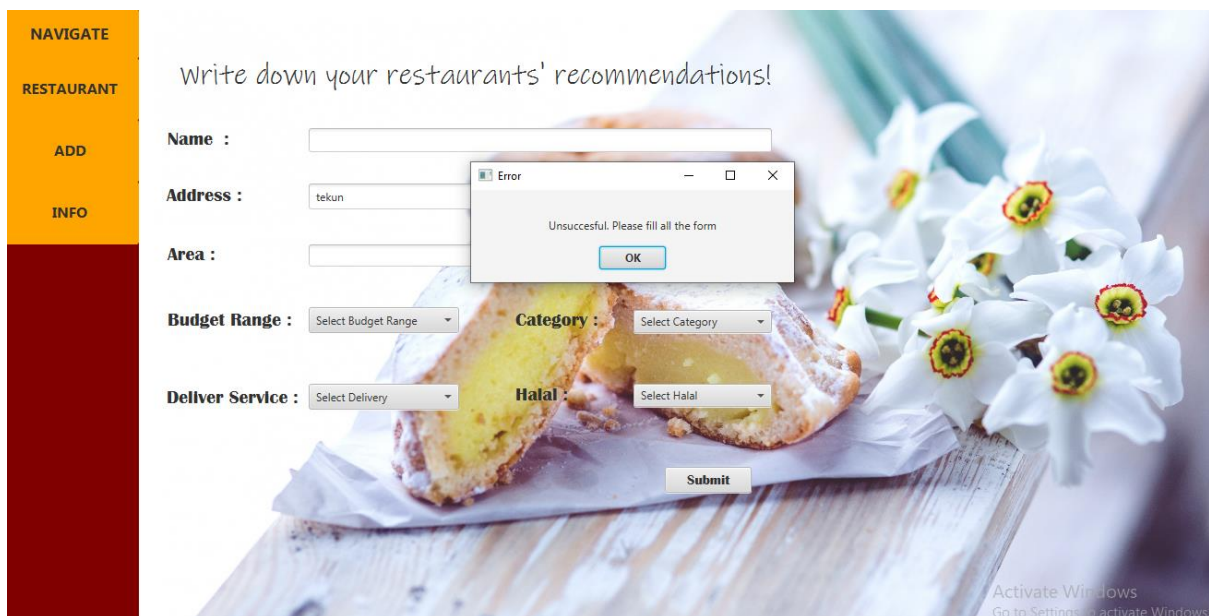


Figure 8: If user left any section vacant during data entry, error message will pop up

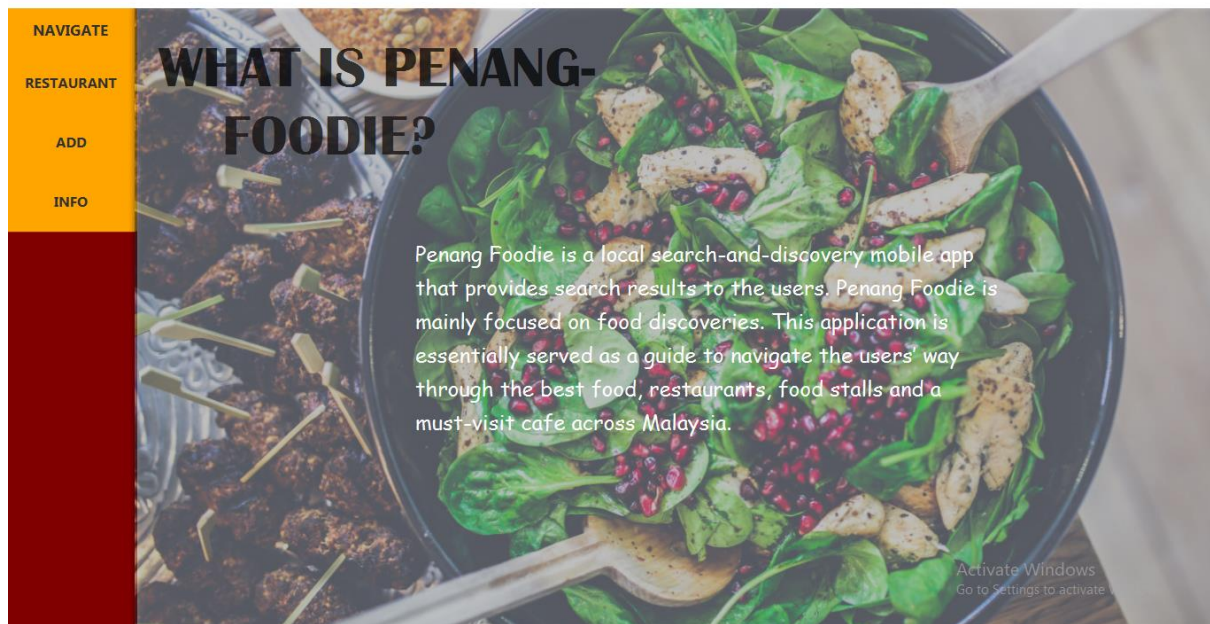


Figure 9: Information about application

