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Final Project Report

Goal of the project:

The goal of my project is to demonstrate the restaurant online website. The website gives

costumers a brief story about the establishment of the restaurant along with old pictures taken

on the time of establishment. It also provides the costumers with written reviews and locations

of restaurant. All that will be displayed on the first page of the restaurant, the other pages will

have more details about the locations, our menu, reservations, services, log in, and register

pages.

These pages will give the in-person customers the flexibility of discovering our delicious food. It

will also give them more coordinates of the locations. In addition, the costumers will be able to

reserve tables before they coming to the restaurant so they ensure that they will not be held in

the queue. Furthermore, the website offers the costumers services that they can use on the

time of the payment such as the split bill calculator and current date and time. Finally, the

website enables the customer to join our restaurant members and give them the ability of log

in again after registering with us.

How pages interact within themselves:

This project focuses on displaying selected webpages for the guest users and other different pages for the restaurant members. We will discover how each set of webpages interact with each other based on the type of user.

- **Guest User**

    The Guest user will have access to the HTML webpage set will give the ability of navigating through the website page using the navigation bar. The navigation bar links all pages with each other. Pages like about us, locations, Menu, Reservation, Services, Log in, and register.

    Our focuses will be on Reservation, Register and Login pages.

    - If the guest tries to make a reservation, he or she will be asked to fill all the form information such as name, location, number of guests, day and time, email, and message. When the customer fills all these information, the data will be inserted to SQL database with the input data and the customer will be provided with a conformation page of his/her reservation details.

    - When the guest decides to register with us, the guest will click on the register option on the navigation bar and the guest will be redirected to the registration page and will be asked to fill name, email, and password.

        o If the email is already on the database, the guest will be prompt with a page that tell that something went wrong, or this email may register with us already and redirect the user to the log in page.

o   If the email is not registered in the database, it will display a page that inform

the user that he signs up successfully and redirect them to the log in page.

- In the log in page, the user will input the email and the password,

o   If the input data don't match the database data, it will display a page that

inform the user that the email or the password is wrong and redirect to the

log in page.

o   If the input do match the database data, it will display a sign in successfully

message and then redirect the user to the index.php page, which is exclusive

for the members.

- **Member user**

Our focuses will also be on Reservation, Register and Login pages.

- in the reservation page, the member will be asked to enter the same information

mentioned in the guest page, but as member, the name and the email will be auto

filled using a method that allows the php page to retrieve a data from the database

and use it inside any other php page.

- The register option will be replaced inside the navigation bar with a welcome

"Username" message, which gives the members different experience than the guest

user

- The log in option will also be replaced with log out option, which allows the

registered member to log off from their account and be redirected to the index.html

page

Difficulties and interesting things of the project

- **difficulties**

  The difficulties I faced during coding the website pages lies on dealing with the php and
  the database. I found out that there are two styles to connect to the database, one is
  the object-oriented style, two is procedural style. Since we studied the procedural style
  in the class and for some reasons this style doesn't work in my machine, I faced some
  difficulties connecting to the database to query or inserting data to it. I had to do a lot of
  research and reading until I was finally able to connect to the data.

  The other thing I found difficulties on is how to transfer variables in between the php
  pages in order to display the username and do the auto fill of the form for the members.

- Interesting things

  The interning things I learn on this project is how I be able to prevent the user from
  accessing the php pages that guest user shouldn't access unless the user is a registered
  member. using if statement and variable used as flag if the user try to access the php
  pages without log in, the user will be informed that this page is only for member and the
  user will be redirected to the html page.