INTRODUCTION

online food ordering syatem
(food & drink Domain)

1 Overview

The Online Food Ordering System described in this document has been designed to fill a specific niche in the market by providing small restaurants with the ability to offer their customers an online ordering option without having to invest large amounts of time and money in having custom software designed specifically for them. The system, which is highly customizable, allows the restaurant employees to easily manage the site content, most importantly the menu, themselves through a very intuitive graphical interface.

The website, which is the only component seen by the restaurant customers, is then built dynamically based on the current state of the system, so any changes made are reflected in real time. Visitors to the site, once registered, are then able to easily navigate this menu, add food items to their order, and specify delivery options with only a few clicks, greatly simplifying the ordering process. Back in the restaurant, placed orders are promptly retrieved and displayed in an easily readable format for efficient processing

2. Purpose

In today's age of fast food and take-out, many restaurants have chosen to focus on quick preparation and speedy delivery of orders rather than offering a rich dining experience. Until very recently, all of these delivery orders were placed over the phone, but there are many disadvantages to this system. First, the customer must have a physical copy of the restaurant's menu to look at while placing their order and this menu must be up to date. While this expectation is not unreasonable, it is certainly inconvenient.

LITERATURE SURVEY

1 Existing problem

A hungry customer can spend on average an hour to decide what to eat! This scenario is especially true for multi-cuisine restaurants. Having so many options to choose from often overwhelm the customers, and many times results in a dropped sale - *can't decide what to eat, close the website and order the good ol' Whopper from Burger King!*

When it comes to issues in delivery, they not only include delays, but also the quality and quantity of the food, packaging and unpleasant behavior by delivery persons.

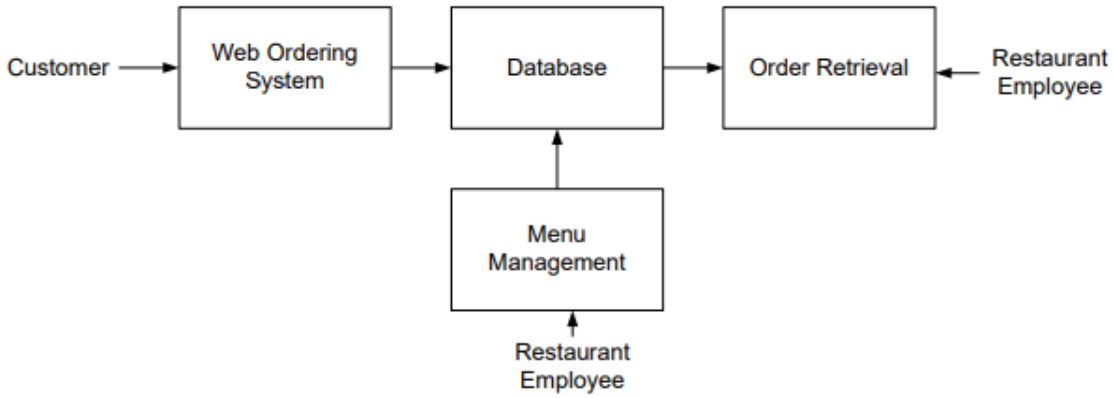
2 Proposed solution

By helping your customers with data-driven recommendations and suggestions. Restolabs online ordering provides insights and data on customers ordering patterns that you can utilize to help them make quick selection. If it's a customer, then having a live chat feature can be a good strategy. Simply have a pop-up window asking "what would you like to have today", and let their answers guide the recommendation window on the website or the app.

Always send freshly prepared food from the kitchen. Take care to ensure you use appropriate packaging techniques for hot and cold food.

THEORITICAL ANALYSIS

1 Block diagram



The structure of the system can be divided into three main logical components. The first component must provide some form of menu management, allowing the restaurant to control what can be ordered by customers. The second component is the web ordering system and provides the functionality for customers to place their order and supply all necessary details. The third and final logical component is the order retrieval system. Used by the restaurant to keep track of all orders which have been placed, this component takes care of retrieving and displaying order information, as well as updating orders which have already been processed

2 Hardware / Software designing

The user interface design principles can be broken into two groups. The interface in the web application is designed to limit free form user input, using mostly drop down menus, radio buttons and check boxes. This is done for two reasons – to simplify the ordering process as much as possible, and to limit SQL injection attempts. Free form input is necessary in the menu management component, however, as all of the values must be user supplied. The interface for this component contains traditional forms comprised of text fields and corresponding labels, along with save and discard buttons for each form.

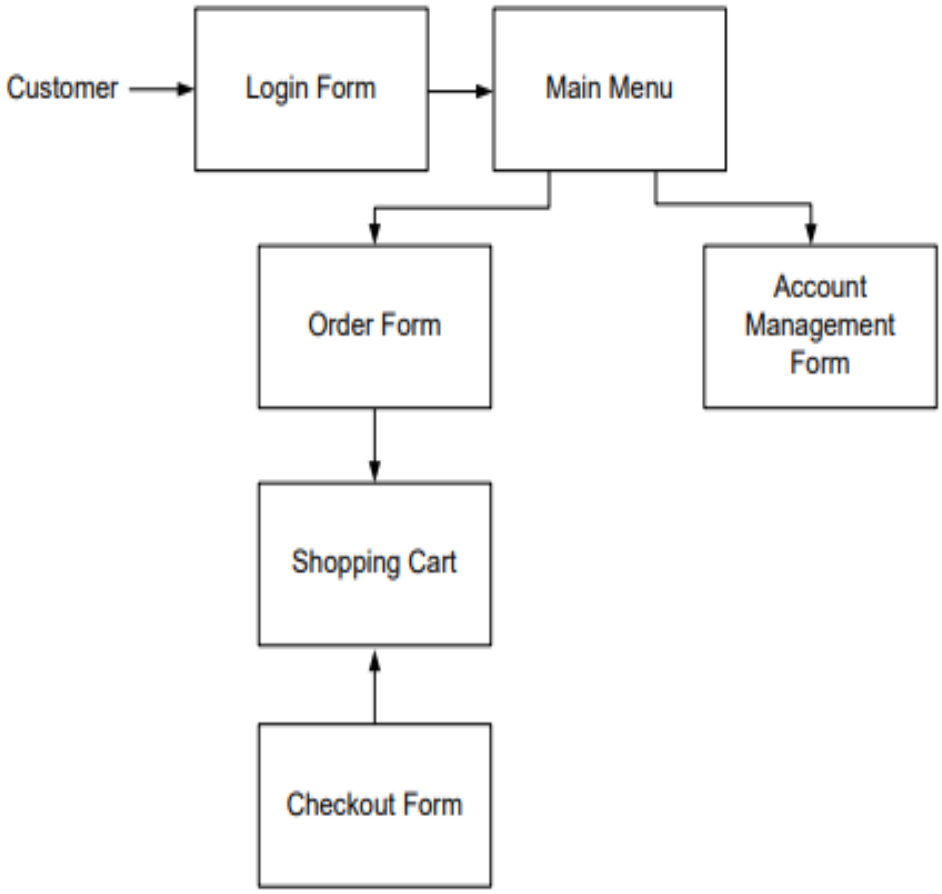
EXPERIMENTAL INVESTIGATIONS

What I propose is an online ordering system, originally designed for use in college cafeterias, but just as applicable in any food delivery industry. The main advantage of my system is that it greatly simplifies the ordering process for both the customer and the restaurant. When the customer visits the ordering webpage, they are presented with an interactive and up-to-date menu, complete with all available options and dynamically adjusting prices based on the selected options. After making a selection, the item is then added to their order, which the customer can review the details of at any time before checking out. This provides instant visual confirmation of what was selected and ensures that items in the order are, in fact, what was intended.

The system also greatly lightens the load on the restaurant's end, as the entire process of taking orders is automated. Once an order is placed on the webpage, it is placed into the database and then retrieved, in pretty much real-time, by a desktop application on the restaurant's end. Within this application, all items in the order are displayed, along with their corresponding options and delivery details, in a concise and easy to read manner. This allows restaurant employees to quickly go through the orders as they are placed and produce the necessary items with minimal delay and confusion.

At the present moment, the system is entirely functional, save the few minor bugs which are bound to present themselves during more extensive testing. A user is currently able to register and log in to the website and place an order. That order is then displayed, correctly and completely, in the order retrieval desktop application. Much of what is left to do focuses not on improving functionality, but rather on improving user experience by creating richer graphical interfaces for the user to interact with and modifying the application's icons and color schemes 7 to make them more pleasing to look at and use. For this reason, I feel that completing the project in the required timeframe is very feasible, particularly if I am able to adhere to the dates outlined

FLOWCHART


Customer
Login Form
Main Menu
Order Form
Account Management Form
Shopping Cart
Checkout Form

Login Form

The login form is standard for a form of this type. It provides text fields for username and password, which the user must enter before signing in. This form also gives the option for a user to register for the site if they have not yet done so.

Main Menu

The main menu, found at the top of the screen like in most applications, presents the user with two levels of selections. They must first choose the vendor they would like to view and then choose a category of food. Once they make these two selections, the application generates an order form specifically for that type of food, and displays this form to the user.

Account Management Form

Currently the account management form only offers the user the option to change their password.

The Order Form

The order form, which is dynamically generated based on selections from the main menu.

Shopping Cart

The shopping cart performs much like a shopping cart in any other application. After an item is added to the order, it is displayed, along with its price, in the shopping cart. The shopping cart also keeps a running total of the current price of the whole order. By clicking on an item in Jackowitz – System Documentation [12/3] 18 the shopping cart, the user can review all of the details for that particular item. Finally, the shopping cart contains a button for the user to proceed to checkout.

Checkout Form

The checkout form is the user's last chance to verify that the contents of their order are correct before actually placing it. This form also provides fields for the user to supply all of the necessary checkout and delivery details (payment type, delivery address, etc.)

RESULT

Users of the web ordering system, namely restaurant customers, must be provided the following functionality:

•Create an account.

• Manage their account.

• Log in to the system.

• Navigate the restaurant's menu.

• Select an item from the menu.

• Customize options for a selected item.

• Add an item to their current order.

• Review their current order.

• Remove an item/remove all items from their current order.

• Provide delivery and payment details.

• Place an order.

• Receive confirmation in the form of an order number

As the goal of the system is to make the process of placing an order as simple as possible for the customer, the functionality provided through the web ordering system is restricted to that which most pertinent to accomplish the desired task. All of the functions outlined above, with the exceptions of account creation and management, will be used every time a customer places an 10 order. By not including extraneous functions, I am moving towards my goal of simplifying the ordering process

ADVANTAGES & DISADVANTAGES

Advantages:

1 Workaholics, don’t starve anymore

Being a profession-driven person, we afford to miss on our diet but never to miss on our deadlines.But not to worry anymore! You can quickly order your favorite quick munchies from one of the nearest restaurants and grab a bite in no while refilling up your stomach and you are back on the trail.

2 Ladies, you can enjoy the parties too!

When you finally have your long awaited guests coming home; Ladies, you can quickly order delicious food items, single or many, with just a few taps on your mobile screen.

Gone are the days, when you needed to boil yourself in the scorching heat in the kitchen cooking all the time for the guests. With the new food delivery system or online food delivery apps, ordering food has been easier than be

3 Urban restaurants, reach out to remote foodies

You captured the foodies of the complete city! Are you sure? Why not extend out the reach to the remote foodies.With the online food delivery in place, you can be available to the remote food-lovers by being visible with your restaurant menu and giving the option to deliver in their area.

Disadvantages:

1 Deliverymen put themselves in danger

Whether it is a heat wave boiling down the city or it is snowing or raining heavily, a Delivery Boy is waiting outside the restaurant to pick and deliver your order.Although we get the joy of our favorite food in any season, they are also humans who forget their human rights putting themselves in danger sometim

2 Disguised increased expense

We surely get attracted by yummy-looking food's pictures on the app and a small but highlighting banner of cashback offer.However, we forget that despite cashback, it is costing us higher than the food which we can cook with the groceries available using all our magical cooking skills and spend blindly ordering the food online.

3 Revenue conflicts between the restaurants and delivery providers

Not every restaurant owner can afford to employ ten delivery boys and bear all the transport and remuneration expenditure; so, they choose to contract with the delivery service providers through these apps.However, despite automation in place, one can't control everything through an automated system and conflicts occur between the

restaurant owner and deliveryproviders regarding the payments.

APPLICATIONS

In today's age of fast food and take-out, many restaurants have chosen to focus on quick preparation and speedy delivery of orders rather than offering a rich dining experience. Until very recently, all of these delivery orders were placed over the phone, but there are many disadvantages to this system. First, the customer must have a physical copy of the restaurant's menu to look at while placing their order and this menu must be up to date. While this expectation is not unreasonable, it is certainly inconvenient.

Second, the orders are placed using strictly oral communication, which makes it far more difficult for the customer to receive immediate feedback on the order they have placed. This often leads to confusion and incorrect orders. The current system is also inconvenient for the restaurant itself, as they must either have a dedicated staff member to answer the phone and take orders, or some employees must perform double-duty, distracting them from their regular tasks.

CONCLUSION

What I propose is an online ordering system, originally designed for use in college cafeterias, but just as applicable in any food delivery industry. The main advantage of my system is that it greatly simplifies the ordering process for both the customer and the restaurant. When the customer visits the ordering webpage, they are presented with an interactive and up-to-date menu, complete with all available options and dynamically adjusting prices based on the selected options. After making a selection, the item is then added to their order, which the customer can review the details of at any time before checking out. This provides instant visual confirmation of what was selected and ensures that items in the order are, in fact, what was intended.

FUTURE SCOPE

This order food online system project aimed at developing an online food ordering system which can be used in small places, and medium cities firstly and then on a large scale.

It is developed to help restaurants to simplify their daily operational and managerial task as well as improve the dining experience of customers.

And also helps restaurants develop healthy customer relationships by providing good services. The system enables staff to let update and make changes to their food and beverage list information based on the orders placed and the orders completed.

APPENDIX

The testing to be performed will require no special hardware, but some specially designed software may be used, particularly when performing stress testing. I plan on writing and utilizing a multi-threaded Java program to bombard the system with an increasing number of HTTP requests and then measure response times and see at what point things begin to break down. I also will be using the Firefox plug-in Firebug to monitor the JSON requests and responses.

SOFTWARE REQUIREMENT SPECIFICATION(SRS)

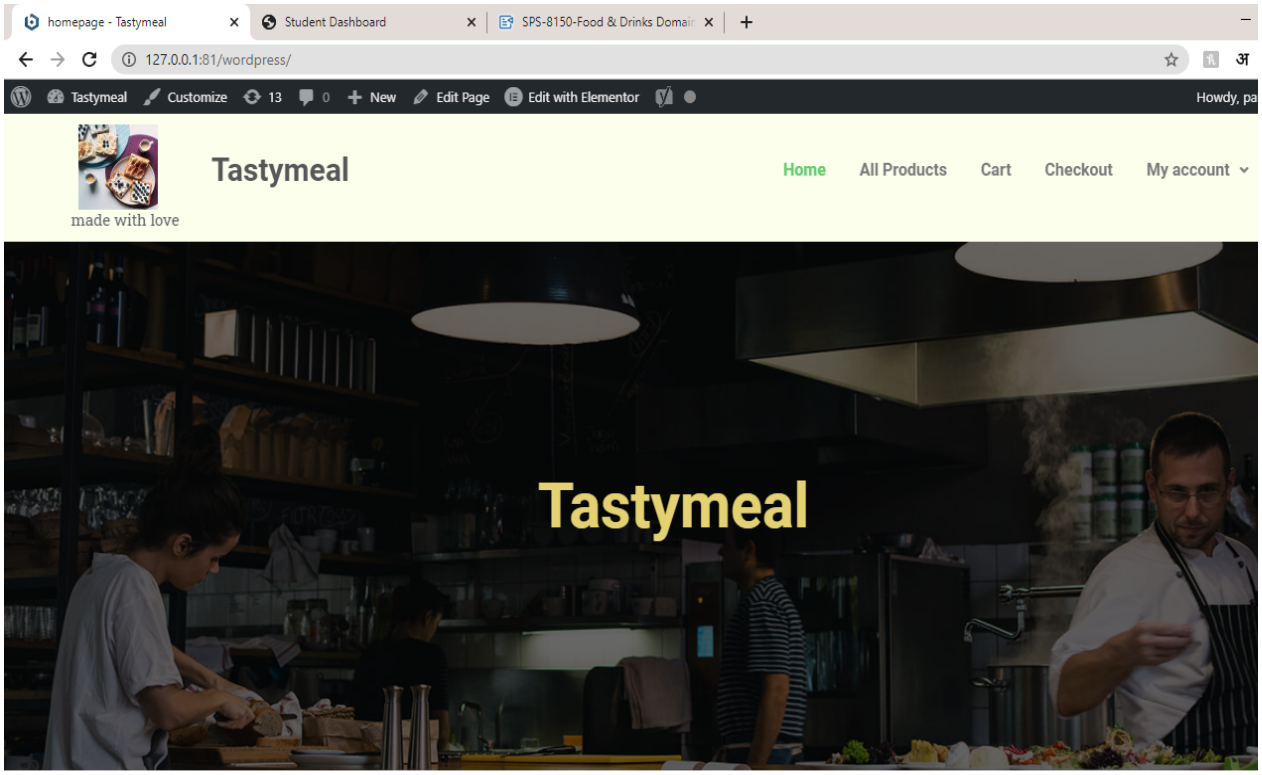
The user should have the appropriate version of windows.

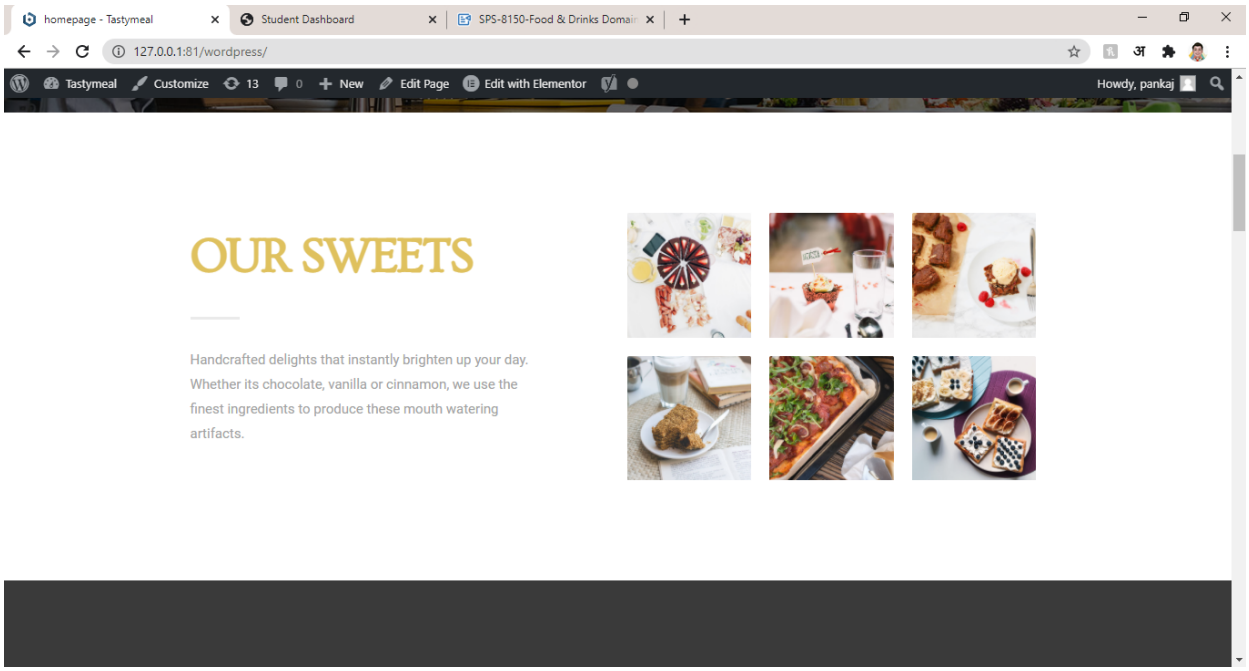
The system should have up to 2 GB ram minimum requirement for the application.

The application should be installed on the system.

So, this is the overall process of making the Online Shopping system worked, and the user can get the policy without any headache of agent and sometimes do not need to provide a commission to them

Screen Shots

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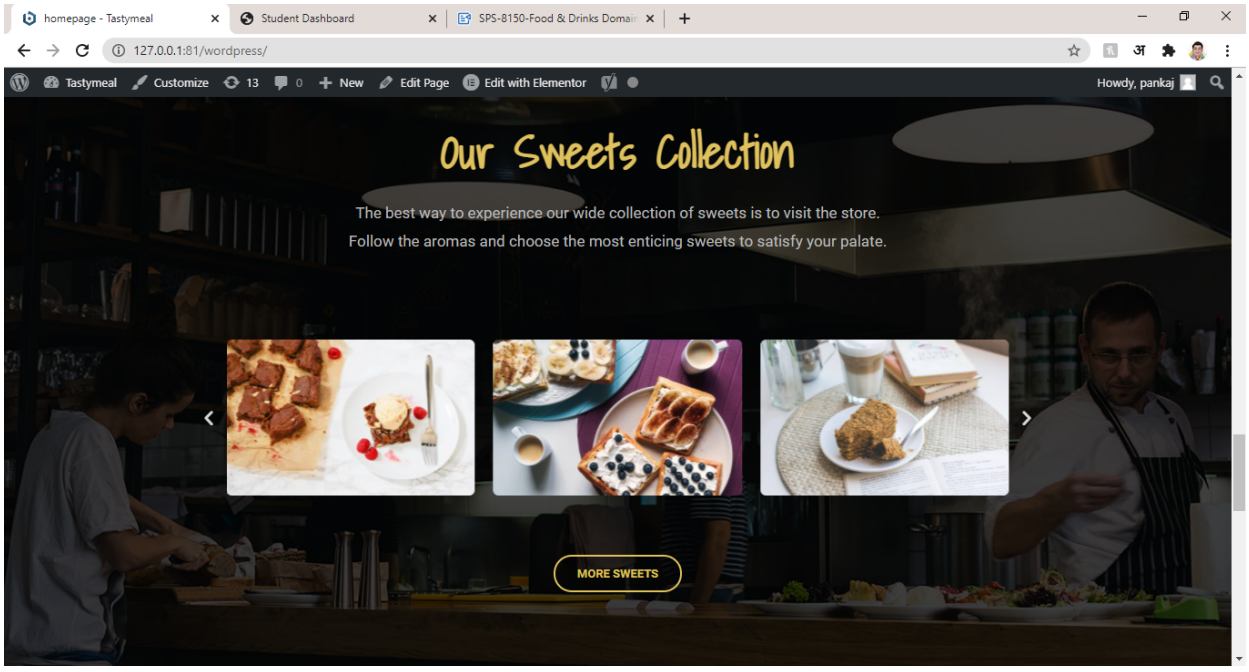
OUR SWEETS
Handcrafted delights that instantly brighten up your day. Whether its chocolate, vanilla or cinnamon, we use the finest ingredients to produce these mouth watering artifacts.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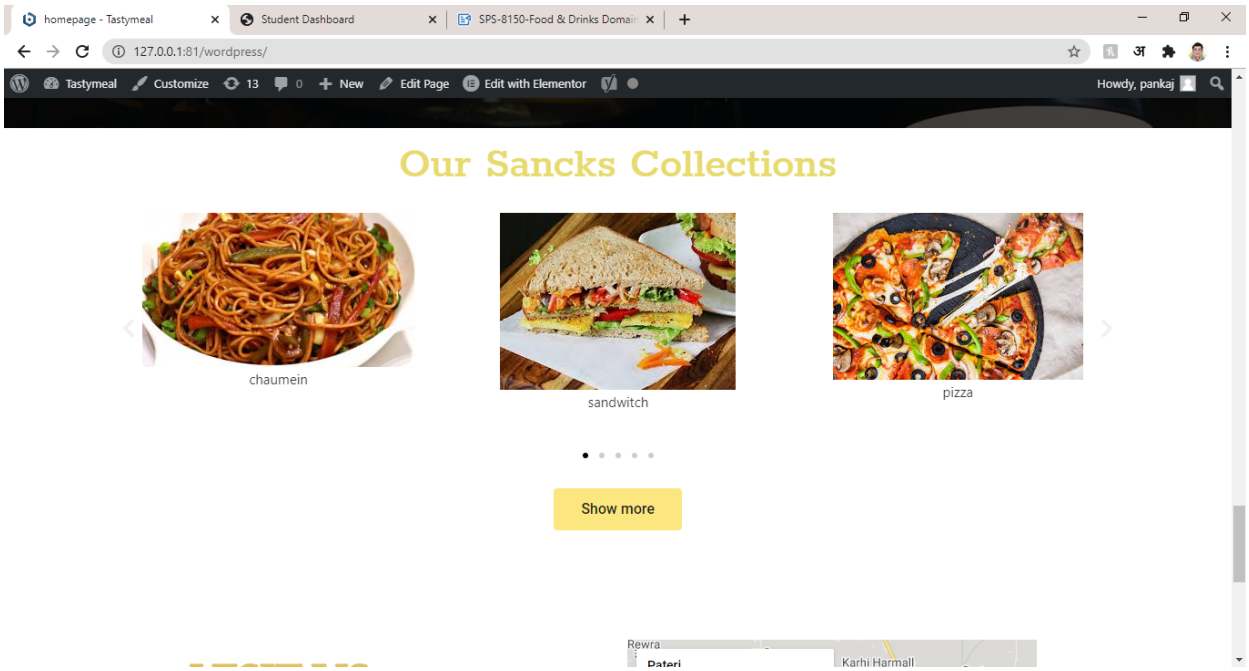
Our Sweets Collection
The best way to experience our wide collection of sweets is to visit the store.
Follow the aromas and choose the most enticing sweets to satisfy your palate.
MORE SWEETS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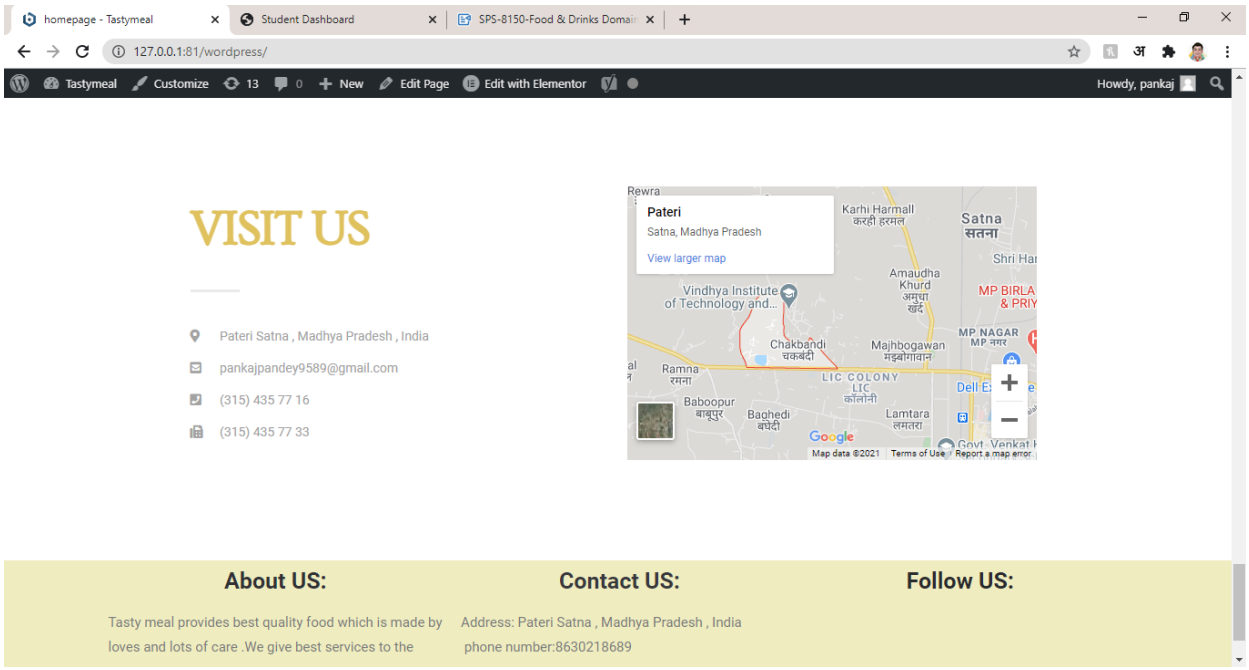
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