DESIGN AND IMPLEMENTATION OF AN ONLINE FOOD ORDERING SYSTEM

(A CASE STUDY OF GT FAST FOOD, AUCHI)

BY

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BEING A PROJECT WORK SUBMITTED TO THE DEPARTMENT OF COMPUTER SCIENCE, SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY AUCHI POLYTECHNIC, AUCHI EDO STATE

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CERTIFICATION

We, the undersigned, hereby certify that this project was carried out by **LAWANI OBERIRI TOMOLA**, with Matric No. **ICT/225200600**, in the Department of Computer Science, School of Information and Communication Technology, Auchi Polythenic, Auchi.

We also, certify that the project is adequate in scope and quality in partial fulfillment of the requirement for the award of Higher National Diploma (HND) in Computer Science.

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DEDICATION

This project is dedicated to God Almighty for his grace and strength towards me throughout the project work.

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First and foremost, our deepest gratitude goes to God Almighty for His endless support, mercies, wisdom, protection, guidance, inspiration and gift of life throughout our days here in Auchi Polytechnic, Auchi.

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ABSTRACT

This study is to design and implement an online Food Ordering System. The online food ordering system is one of the latest service most fast food restaurants in the western world are adopting. As industries are fast expanding, people are seeking for more ways to purchase products with much ease and still maintain cost effectiveness. With this method, food is ordered online and delivered to the customer. The manual method of going to their local food sales outlets to purchase food is becoming more tasking. Upon implementation of the new system, the objectives the study includes providing an avenue where customers will be able to gather more reliable information about what the fast food industry really does and also provide a user friendly environment between the customer and employee thus increasing the efficiency of the food ordering system. The system front-end will be designed using the newest Hypertext Markup Language (HTML 5) and Cascading stylesheet (CSS3) for visual integration. While the system back-end will be designed using Hypertext Preprocessor (PHP), MYSQLi as database for storing of back-end information. During the development of the new system, each of these modules was tested with some test data. After each debugging stage, the module would be integrated into the main system. The performance result of the system was 99% as expected result.

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CHAPTER ONE

INTRODUCTION

1.1 Background Of Study

The online restaurant food ordering system is one of the latest service most fast food restaurants in the western world are adopting (Scott, 2017). With this method, food is ordered online and delivered to the customer. This is made possible through the use of electronic payment system. Customers pay with their credit cards, although credit card customers can be served even before they make payment either through cash or cheque. So, the system designed in this study will enable customers go online and place order for their food (James, 2018).

Due to the great increase in the awareness of internet and the technologies associated with it, several opportunities are coming up on the web. So many businesses and companies now venture into their business with ease because of the internet. One of such business that the internet introduced is an online restaurant food ordering system. 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 recently, most of this delivery orders were placed over the phone, but there are many disadvantages to this system. It is possible for anybody to order any goods via the internet and have the goods delivered at his/her doorsteps (Bhatnagar, 2019).

According to Mark (2020), GT Fast food lodge is a cosmopolitan fast-food outfit operating in the heart of Auchi, the administrative headquarters of GT fastfood is located in Benin city, Edo state. GT Fast foods was founded in 1989 by Elder P.O. Omofuma, an Entrepreneur who began selling from his roadside restaurant at Ujeme, Ekpoma with assistance from his wife, Deaconess Elizabeth Omofuma and just two working staff. A GT Fast food is a Nigerian fast-food chain and franchise that specializes in chicken recipes, especially fried chicken and lot more. This company has over the years established it brands across Nigeria across the 36 states. This brand is considered as Nigeria second-largest restaurant chain (as measured by sales). The main advantage of this study is that it greatly simplifies the ordering process for both the customer and the restaurant (Haruna, 2017). The system also greatly lightens the load on the restaurants end, as the entire process of taking orders is automated. Once an order is placed on the webpage that will be designed, it is placed into the database and then retrieved, in pretty much real-time, by a desktop application on the restaurants 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 the restaurant employees to quickly go through the orders as they are placed and produce the necessary items with minimal delay and confusion. The greatest advantage of this system is its Flexibility (Brickers, 2019).

1.2 Statement Of Problem

The traditional system of eatery management system proves inadequate and inefficient. The existing system of management of GT Fast Food has no interactive website to display the company's information. As such, customers of GT Fast Food Eatery that are internet user cannot get online information, latest services and contact information online. They could not get the nature of stock in sale online because of the non availability of interactive website presently. As industries are fast expanding, people are seeking for more ways to purchase products with much ease and still maintain cost effectiveness.

The manual method of going to their local food sales outlets to purchase food is becoming obsolete and more tasking. Food can be ordered through the internet and payment made without going to the restaurant or the food vendor. Therefore there is the need for a wide range of publicity and enabling direct order, processing and delivering of food through online system.

1.3 Aim And Objectives Of the Study

The main aim of this study is to design and implement an online restaurant food ordering system.

The following objectives are:

i. The system will provides an avenue where customers will be able to gather more reliable information about what the fast food industry really does.

ii. The products and services offered would provide the customers with all the different categories of available products that they can choose and select from.

iii. This will provide a user friendly environment between the customer and employee thus increasing the efficiency of the food ordering system.

iv. There will also be an online purchase form with which valued customers will be using to get in touch with any of their request whenever the need arises.

v. It will also help for easy retrieval of orders made by the customers.

1.4 Scope Of Study

The scope of this study is to develop and integrate of a database incorporated into a website that will display the eatery's stock and basic information. The website is capable of handling all the contents of webpage in a better, more convenient and more accurate manner, depending on the eatery's

specification and requirement. I have chosen to develop this interactive website that will display all the eatery stocks, products and services to the requesting customers. All that the customers need is displayed. This study also covers customers booking.

1.5 Significance Of Study

This study provides a complete sales channel for the restaurant. This means that the Fastfood can use it as a tool for generating more profits and organizing the restaurant better. It also allows restaurant owners to save on labor costs and restaurant space needed to serve such customers.

This study will help fastfood vendors such as GT Fastfood management improved in the following areas; advertise available foods in their company, reduce the workload in the present system, reduce time wasted in data processing, create a platform for online purchase and delivery of fast food and keep accurate record on purchased order and delivery.

1.6 Limitations Of The Study

This study is limited to the Design and implementation of an online Restaurant food ordering and management system solely within the operations of GT fastfood and as such the study might not be relevant to other researchers due to the complexity of the system design.

Also, Time-constraints is another challenge that comes to play. Financial constraint had its major contribution as there were not enough financial resources for maximum project delivery and mobility.

1.7 Definition Of Terms

Booking: this involves reservation of space, item or travel time.

Menu: In a restaurant, a menu is a list of food and beverages offered to customers and the prices. A menu may be a list which include food items that customer will choose from.

Online Food Ordering: Online food ordering services are website that feature interactive menus allowing customers to place orders with local restaurants and food cooperatives.

Credit Card: A credit card is a payment card issued to users as a system of payment. It allows the cardholder to pay for goods and services based on the holder's promise to pay for them.

Ordering System: this refers to as a set of detailed methods that is being used in handling the ordering process.

Restaurant: (eating place) is a place where meals and drinks are sold served to customers.

Customer: A customer sometimes known as a client, buyer, or purchaser. Is the recipient of goods, services, product or idea obtained from a seller, vendor, or supplier for a monetary or other valuable consideration.

Technology: This is the techniques of process of mobilizing resources (such as information) for accomplishing objectives that benefits man and his environment

Hamburgers: A hamburger is a sandwich consisting of cooked patty of ground meat usually placed inside a sliced hamburger bun.

Sharwama: Sharwama is a Levantine Arab meat preparation, where Lamb, chicken, turkey, beef, veal, or mixed meats is placed on a spit, and may be grilled for as long as a day.

Dannish Cuisine: Dannish Cuisine is a classy restaurant located along Auchi - Igarra road (very close to the Military checkpoint) and they offer different.

CHAPTER TWO

LITERATURE REVIEW

2.1 Historical Development Of Fast Food Ordering

A fast food restaurant is a restaurant characterized both by food ready to eat quickly after ordering and by minimal service. One trait shared by all fast food establishments is that the customer pays for the food prior to consuming it. Often this food is referred to as fast food (De Leon, 2019). The food in these restaurants is often cooked in bulk and in advance and kept warm or reheated on order (O'Mahony and Daniel, 2018).

Although according to Donald (2018), fast food restaurants are often viewed as a representation of modern technology, the concept of "ready cooked food to go" is as old as cities themselves, unique variations are historical in various cultures. Ancient Roman cities had bread-and-olive stands, East Asian cultures features noodle shops. Flat bread and falafel are ubiquitous in the Middle East. Popular Indian fast food delicacies include Vada Pav, Papri Chaat, Bhelpuri, Panipuri and Dahi Vada. According to French (2019), In the French speaking nations of west Africa, meanwhile, roadside stands in and around the larger cities continue to sell- as they have done for generations-a range of ready-to-eat char grilled meat sticks known locally as "brochettes" (not to be confused with the bread snack of the same name found in Europe).

The modern history of a fast food in America began on July 7, 1912 with the opening of a fast food restaurant called the Automat in New York. The Automat was a cafeteria with its prepared foods behind small glass windows and coin-operated slots. Joseph Horn and Frank Hardart had already opened an Automat in Philadelphia but their Automat at Broadway and 13th street, in New York City, created a sensation and numerous Automat restaurants were quickly built around the country to deal with the demand. Automats remained extremely popular throughout the 1920's and 1930's (Vladimir, 2018). The company also popularized the notion of "take-out" food, with their slogan "less work for mother" (Zhou and Naaman, 2018).

The American company White Castle is generally credited with opening the second fast food outlet in Topeka, Kansas in 1921, selling hamburgers for five cents a piece. White Castle later added five holes to each beef patty to increase its surface area and speed cooking times.

According to Mark (2020), Mc Donald's, the largest fast food chain in the world and the brand most associated with the term "fast food" was founded as a barbeque drive-in in 1940 by Dick and Mac. After discovering that most of their profit came from hamburgers, the brothers closed their restaurant for 3months and reopened it in 1948 as a walk-up stand offering a simple menu of hamburgers, French fries, shakes coffees and coca-cola, served in disposable paper wrapping. As a result, they were able to produce hamburgers and fries constantly, without waiting for customer orders, and could serve them

immediately; hamburgers cost 15cents, about half the price at a typical dinner (Zing, 2017).

The McDonald's stand was the milkshake machine company's biggest customer and a milkshake salesman named Ray kroc travelled to California to discover the secret to their high-volume burger-and-shake operation. Kroc thought he could expand their concept, eventually buying the McDonald's operation outright in 1961 with the goal of making cheap, ready-to-go hamburgers, French fries and milkshakes a nationwide business (Isaac and Mike, 2019).

By the late 2000s, major pizza chains had created their own mobile applications and started doing 20–30 percent of their business online. With increased smartphone penetration, and the growth of both Uber and the sharing economy, food delivery startups started to receive more attention.

In 2010, Snapfinger, who is a multi-restaurant ordering website, had a growth in their mobile food orders by 17 percent in one year. By 2015, online ordering began overtaking phone ordering. In 2015, China's online food ordering and delivery market grew from 0.15 billion yuan to 44.25 billion yuan. As of September 2016, online delivery accounted for about 3 percent of the 61 billion U.S. restaurant transactions. In a 2019 market study of restaurant delivery services, the global market for online-ordered prepared food delivery was estimated at $94 billion and is estimated to grow at just over 9 percent a year, reaching $134.5 billion in 2023 (Kimes *et al.,* 2018).

2.2 Types Of Online Food Ordering

2.2.1 Restaurant-controlled

According to Skimes et al. (2018), in restaurant-controlled online food ordering, the restaurants create their own website and app, or choose to hire a delivery vendor. If they choose to create their own website, they make sure to obtain software that manages the orders efficiently, meaning it has the capability to manage different orders at once.

When they hire a vendor, the restaurant pays for a monthly fee or percentage-based fees. A customer can choose to have the food delivered or for pick-up/take-away. The process consists of a customer choosing the restaurant of their choice, scanning the menu items, choosing an item, and finally choosing for pick-up or delivery. Payment is then administered by paying with a credit card or debit card through the app or website or in cash at the restaurant when going to pickup (Zhou and Naaman, 2018).

2.2.2 Independent:

Leavell (2018), in this case, a person cooks and offers meals or kits via their website, which are then directly sent to consumers. The consumer chooses which meal and how many meals they want to send to their office or home, and pays depending on the meals or the program they are interested in. People choose to order meals from other people for different reasons: not wanting or having time to cook, wanting to eat home-cooked meals, or to lose weight by eating

healthy foods. Examples of this type of service include DineWise, NutriSystem, Chef's Diet, etc.

2.3 Self-Service/Self-Ordering In Restaurant

Self-service or self-ordering in restaurant industry refers to the restaurant taking orders from customers through applying various types of technologies such as internet and many others. Self-service or self-ordering is successful when it is applied at restaurants in many other countries (Sanchez, 2017). The usage of the self-service or self-ordering technology is proven to benefit most of the investors.

Odesser-Torpey (2018), reports that most of the Americans hate waiting for an order. Therefore, they prefer self-service technology, which can be in form of text messaging, the internet and kiosk. Usually, the customer prefers self-service because of speed and convenience in making order and transaction while minimize the miscommunication. He also mentioned that self-activated terminals are more likely to serve as ordering innovation in the future.

The implementation of alternative ordering can increase check size, free up counter staff that need to serve customers and take money handling out of service equation.

Bhatnagar (2019) mentioned that the innovation of kiosk and computerized table top ordering screen will force restaurant industry re-jigger an often used acronym quick service restaurant to the self-service restaurant. Customers can get information or search for recipes from the kiosk and internet. The kiosk and internet also takes orders and receives credit cards or debit cards payment. As a

result, wrong order and long queue can be avoided, order staff can be arranged to somewhere else and focus to speed up on delivery orders. On the other hand, a table-top touch screen order system can take customer orders as well as handle other customer requests such as refill drinks, call a waiter and make payment by credit card and debit card (Brown, 2016).

Bytes, a restaurant located at Canterbury has been successfully standing apart from the competitors because of applying online self-service ordering and the payment concepts. The system used in Bytes allows the customers make an order through the touch screen, and the order will be directed to bar or kitchen. The system also offers games after a customer placed the orders while internet access will be provided to customers in the future. Touch screen ordering reduces the need of the waiter. The system also provides database for customers' habits and preferences, generate the management reports, perform analysis as well as allows the menu to be updated instantly (Kauffman, 2019).

Based on study, it is possible for applying the online food ordering system to the fast food restaurants in Nigeria. This is because the system can improve workplace efficiency, increase sales of the restaurant as well as reduce making incorrect order. As a result, it is worth for investing on the system, whereby it can shorten the return on investment (Richard, 2016). In addition, the system should be supported by the food origin taste and services to maintain the customers' loyalty and satisfaction. However, widely implementing the food ordering system may cause the influx of labor due to the elimination of waiters in

restaurant industry. Even the system is important to be implemented, yet there is still some risk in other factors such as a direct interaction and restaurant design concept, which need to be considered for ensuring the success of the system (Sarah, 2018).

Gan (2019) proposed to develop an online fast food restaurant ordering system that allows customers to place orders anytime at any place. The system helps to manage order from customer as well as advertise promotion. It allows kitchen staff to view ordering information, management to manage fast food raw materials and staff to search customer delivery and profile information. This system helps to reduce queue issues during peak hours, speed up food preparation and increase customer volumes. As a result, market share of fast food restaurant can be boosted up and increases return of investment for the investor.

De Leon (De Leon, 2018) mentioned that there are several aspects that should be included in a good online food ordering system. System should be simple to navigate, not clustered and easy to make an order, (Sharma, 2017,) designed with professionals looking with search engine optimize capability and available 24hours. The system should also have a secure payment gateway to protect their customers' credit cards information, fast and keep track on orders and sales history easily as well as generate a comprehensive sales report, (Sharma, 2017).

2.4 Overview Of GT Fast foods

According to Jude (2020), GT fast foods is a Nigeria classy restaurant located in Ugbor, G.R.A., Benin City and have a branch in old road Auchi and they offer different varieties of dishes as well as snacks. Their chickens are well prepared and a cup of ice cream together with a drumstick will make you feel good. The environment pleasant, you can choose to sit outside while enjoying your meal and catching the scene of the environment (that's a double win). The inside is built to comfort, giving you the ability to sit comfortably while doing justice to your meal, and just in case you might be feeling exposed sitting outside, customers can still catch a glimpse of the environment while sitting inside.

According James, (2020), the business stood the test of Time, diversifying the market by challenging the established dominanace of already existing foreign restaurants, with branches in some States of the Country. However, in 2013, the idea of a more unique and “edge cutting” innovation for the GT Organisation was thought out by the Founder/Chairman and his son (Ozemoya Omofuma). As a result, GT Foods Plus was birthed in Ugbor, G.R.A., Benin City.

GT Foods Plus has maintained the core traditional values that have kept the company in her prime since inception. With the infusion of some modern innovation ideas like the Mobile Bus Food Outlets currently running in Uniben, Caravan Fastfood Outlet currently running in UBTH and also our home delivery Food System, taking our meals to our beloved customers who lives within the

axis of our various food outlets, GT Food Plus added more beauty and flexibility to the Fastfood Industry.

GT fast food is a committed supporter of Nigerian production. Most of the company products are sourced directly from local, Nigerian suppliers. The company philosophy is “People Capability Always”, being an equal opportunity employer, with a strong focus on creating opportunities for women and young adults (Johnson, 2019).

As a Nigerian brand, facing challenges and overcoming obstacles is in our DNA, this quest for excellence, together with, our committed staff, local partnerships and loyal customers has led us to be the fastest growing, chicken focused, quick service restaurant chain in the country today (Merit, 2019). GT fast food is proudly owned by GT Food Plus. As such, the companies adhere to excellent corporate governance and sustainability practices. (James, 2020).

2.4.1 About GT Fast Foods Franchising

According to David (2019), GT fast food began its franchise operations for the GT fast food brand in 2007. The organization has learnt many lessons along the way, specifically with regards to what is required to enable success in the West African market. The key benefits that they offer include*:*

a) **Strong Brand Image:** GT fast food is a leading QSR brand, with high levels of brand awareness and a loyal customer base. It is also the fastest growing QSR brand in Nigeria

b) **Site Selection & Property Development:** the company provide assistance with the selection of new sites, provide key insights with respect to landlord negotiations, manage the build of new stores, procure key assets at discounted rates and have a team that is committed to the refurbishment and maintenance of stores on an ongoing basis

c) **Products Customers Love:** the company Soulfully Spiced Chicken and tasty sides were specifically developed to appeal to the West African palette

d) **Supply Chain Division:** the company is centralized procurement, warehousing and logistics, pie production unit and central kitchen are just some of the ways in which we leverage economies of scale, improve operational efficiencies and manage quality control so that you can offer customers everyday affordable value.

e) **Training & Development:** GT fast food have a built for purpose training centre that is well equipped to up skill both franchisees and restaurant staff.

f) **Strong Marketing support:** New store launches, local store marketing kits and regular national campaigns are brought to life via a strong focus on outdoor, below the line and digital marketing campaigns.

2.4.2 GT Fast Food Value and Mission

According to Benjamin (2019), people capability always is a driving force in the company business. The company Human Resources Division (HRD) trains,

develops, recognizes and rewards its people, whilst enriching lives and growing our business in the process. While the organization strongly believe that people approach is fundamental to achieving our vision. On this basis, the company values are entwined with the Food Concepts Plc vision statement represented by the 'LOVED' acronym. These values are the foundation of behaviours we aim to instill in all the company employees and it is the golden thread that runs through everything the organization do.

2.5 E-Commerce

Electronic commerce or e-commerce according to Garret, (2019) is the exchange of goods and services by means of the internet or other computer networks. In e-commerce, buyers and sellers transact business over networked computers (Anderson, 2019).

Electronic commerce is also sharing business information, maintaining business relationships and conducting business transactions by means of communication networks. It includes the relationship between companies (business-to-business), between customers (customer-to customer) as well as between companies and customers (business- to-customer) (Raymond, 2016).

Business to business segment currently dominates the e-commerce while customer oriented segment is significantly lagging behind and current estimate places it at less than 10% of the total volume, even though they are all experiencing an exponential growth (Jimoh, 2018). E-commerce offers buyers convenience. They can visit the World Wide Web (www) sites of multiple

vendors 24hours a day and seven days a week to compare prices and make purchases, without having to leave their homes or offices (Jonshon, 2019).

For sellers, e-commerce offers a way to cut costs and expand their markets. They do not need to build staff or maintain a store or print and distribute mail order catalogs. Because they sell over the global internet, sellers have the potential to market their products or services globally and are not limited by the physical location of a store. E-commerce also has some disadvantages. However, customers are reluctant to buy some products online. Online furniture businesses for example, have failed for the most part because customers want to test the comfort of an expensive item such as a sofa before they purchase it (Clifford, 2019).

Many people also consider shopping a social experience, for instance, they may enjoy going to a store or a shopping mall with friends or family, an experience they cannot get online. Customers also need to be reassured that credit card transactions are secure and that their privacy is respected. E-commerce is not only widening customer's choice of product and services, but also creating new business and compelling established business to develop internet strategies (Anderson, 2019).

2.6 Review Of Related Literatures

Sharma (2017), said an ordering system is referred to as a set of detail methods that is being used in handling the ordering process. Food ordering can be computerized or done manually. This helps the customer to order their food themselves which is known as the customer self-ordering system. The customer self-ordering system can be defined as a computerized system that is being used by customers to place their own orders in the restaurant and allow the orders to be tracked, in order to prepare and deliver the food to the computers.

According to Scott (2017), online food ordering is the process of ordering food from a website or other application. The product can be either ready-to-eat food (e.g., direct from a home-kitchen, restaurant, or a ghost kitchen) or food that has not been specially prepared for direction consumption (e.g., vegetables direct from a farm/garden, fruits, frozen meats. etc).

According to Varsha *et al* (2015), presented a digital restaurants and inter-restaurant navigation using smart phones to customers. Instead of using PDAs to interface with customers, we are using smart phones or tablet to provide necessary interfaces for customer to view and order menu. With private login system, customers can view and make order and receive updates in real-time and collect receipts right from the smart phone itself. It allows customers to navigate the places or directions in restaurant and also it allows restaurant owners to manage orders from customers immediately whenever he or she logged in into the system.

Various issues related to Mess/Tiffin Service will be solved by providing them a fully fledged system. Thus, implementation of Online Food Ordering system is done to help and solve one of the important problems of people. Based on the result of this research, it can be concluded: It helps customer in making order easily; it gives information needed in making order to customer. The Food website application made for restaurant and mess can help restaurant and mess in receiving orders and modifying its data and it is also made for admin so that it helps admin in controlling all the Food system (Nadjas, 2018).

With online food ordering system, a restaurant and mess menu online can be set up and the customers can easily place order. Also with a food menu online, tracking the orders is done easily, it maintain customer's database and improve the food delivery service. The restaurants and mess can even customize online restaurant menu and upload images easily. Having a restaurant menu on internet, potential customers can easily access it and place order at their convenience. Thus, an automated food ordering system is presented with features of feedback and wireless communication. (Adithya 2017).

According to Sijua (2018), an automated food ordering system is proposed which will keep track of user orders smartly. Basically, they implemented a food ordering system for different type of restaurants in which user will make order or make custom food by one click only. By means of android application for Tablet PCs this system was implemented.

The frontend was developed using JAVA, Android and at the backend MySQL database was used. Customer using a Smartphone is considered as a basic assumption for the system. When the customer approach to the restaurant, the saved orders can be confirmed by touching the Smartphone.

Donald (2017) in his research opined that an attempt to design and implementation of digital dining in restaurants using android technology. This system was a basic dynamic database utility system which fetches all information from a centralized database. Efficiency and accuracy of restaurants as well as human errors were improved by this user-friendly application. Earlier drawbacks of automated food ordering systems were overcome by this system and it requires a onetime investment for gadgets. An application of integration of hotel management systems by web services technology is presented.

Ashutos *et al.* (2016), in his research opined that online ordering system brings convenience to customers. The customers can choose the restaurant they like through the internet. They can view the menu of the restaurant and make their order through the website. They have two options to choose to have their food, which are delivery or pick up. If they choose delivery, the deliveryman of the restaurant will send the food to the customer's house. On the other hand, if the customer chooses pick up, the customers can go to the restaurant to take their food. Payment of the food can be cash, credit card or PayPal.

Nowadays, internet is widely used in everywhere. People use internet to perform their tasks every day, such as chat with family and friends, communicate with colleagues, search information and many more. Internet is very convenient to the people as almost everything can be done by internet. The telecommunication and internet has growth rapidly. There are some industries starting to apply this technology into their business. This will help their business be more efficient.

The user can access to data and services from a remote server, which will allow the user to access the databases across the network or internet. Most of the handheld devices support this wireless technology because they allow the user to access the database to retrieve the data. People nowadays use mobile devices to work and access with data and information. It is because the mobile devices are cheap and small. PDA which is Personal Digital Assistant is the mobile device that suitable for business applications. They have the ability to access data and information from remote locations (Khairunnisa *et al,* 2019).

In this ordering system, the waiters take the orders from the customers by using the PDA. Then, the waiters will send the order to the kitchen via web-based wireless application. The order of the customers will be displayed on a computer screen in the kitchen. The kitchen staff will refresh the list when the food is ready to be served. The waiters will be informed through the PDA. Then, they will serve the food to the respective table. This system will increase the efficiency of

the services as the waiters do not need to take an order using paper anymore (Samsudin, 2018).

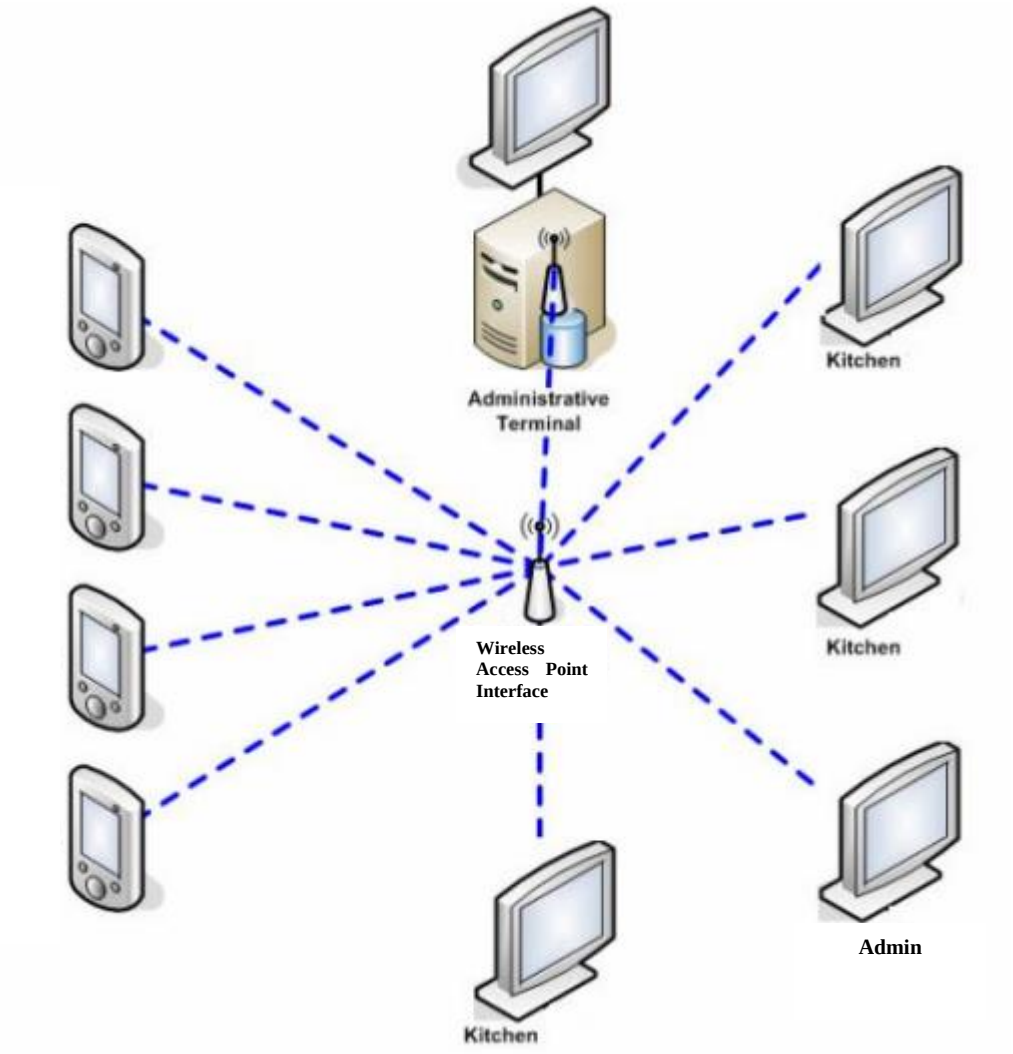


Fig 1: Architecture, Design and Development (Samsudin, 2018).

As seen in Figure 1 above, the strength of this system is the time in taking order has reduced. The waiter does no need to walk to the customers and take the order from them. They also no need to walk back to the kitchen to inform the chef what food has ordered. The customers can just make their order through the PDA and the order will display in the kitchen. Especially during the peak hours such as

lunch time and dinner time, the customers do not need wait for a long time to be served.

The weakness of this system is it does not support real-time feedback. The customers are not allowed to provide their feedback after they finish their meal. It is because PDA can only use to make their order. PDA do not provide any order status feedback to let the customers to fill in.

CHAPTER THREE

SYSTEM ANALYSIS AND DESIGN

3.1 Analysis of the Existing System

Many fast food vendors around the world still using manual ordering systems one such as GT Fast food still operates in such way. The manual food ordering systems of GT Fast food normally depend on number of employee to support the business functions such as ordering food, reservation, inquiry, placing order and reminding dishes. It can be accidently switch details between orders and end up with irregularity in data entry for generating reports. For customers to make an order he/she must call the GT fast food ordering number which makes the process of collecting customers' purchases order very tedious. This makes it impossible to deliver foods on time and this leads to lack of understanding between the customers and the employees.

The record keeping system is poor because summary sales of the day are usually hand written. Because recording is paper based GT fast food staffs sometimes losses some vital records and this has been a reported incident consequently. Besides, protecting the file system from unauthorized access the existing system takes unnecessary time conveying information. Management at times seeks to get a copy of the customer's order form and this may take a lot of time to obtain it.

3.2 Disadvantages of the Existing System

i. As fast food industries are fast expanding, people are seeking for more ways to purchase products with much ease and still maintain cost effectiveness. The current ordering system of GT fast food accumulates much cost.

ii. Mistakes are made when taking the orders of the customers

iii. The process of collecting customers' purchases order is very tedious.

iv. Providing sales report is very difficult.

v. Requires taking customer's detail over and over again

vi. It is impossible to deliver food on time.

vii. Record keeping and retrieval of information is very difficult.

3.3 Proposed New System

The system is to develop an online restaurant food ordering system. This system is aimed at overcoming the drawbacks of the already method used in GT fast food. Upon the implementation of this system, it is will reduce the cost, effort and time taken to food delivery over a period of time. This system will do the analyzing and storing of information either automatically or interactively. It will make use of PHP-MYSQL. This will be like this: a report is generated conforming to particular information needed by the management via the monitor. The new system will have better storage and faster retrieval system and lastly, errors in the reports will be greatly minimized.

3.4 Advantages of the Proposed System

The Proposed system has the following Advantages which include:

i. The system will allow the customer to make order, view order and make changes before submitting their order.
ii. The new system will provide interface that allows promotion and menu.
iii. The system can that generate orders reports
iv. The system will be useful tool such that it will allow the management to modify the food information such as price, add a new menu and many others as well as tools for managing user, system menu and promotion records.

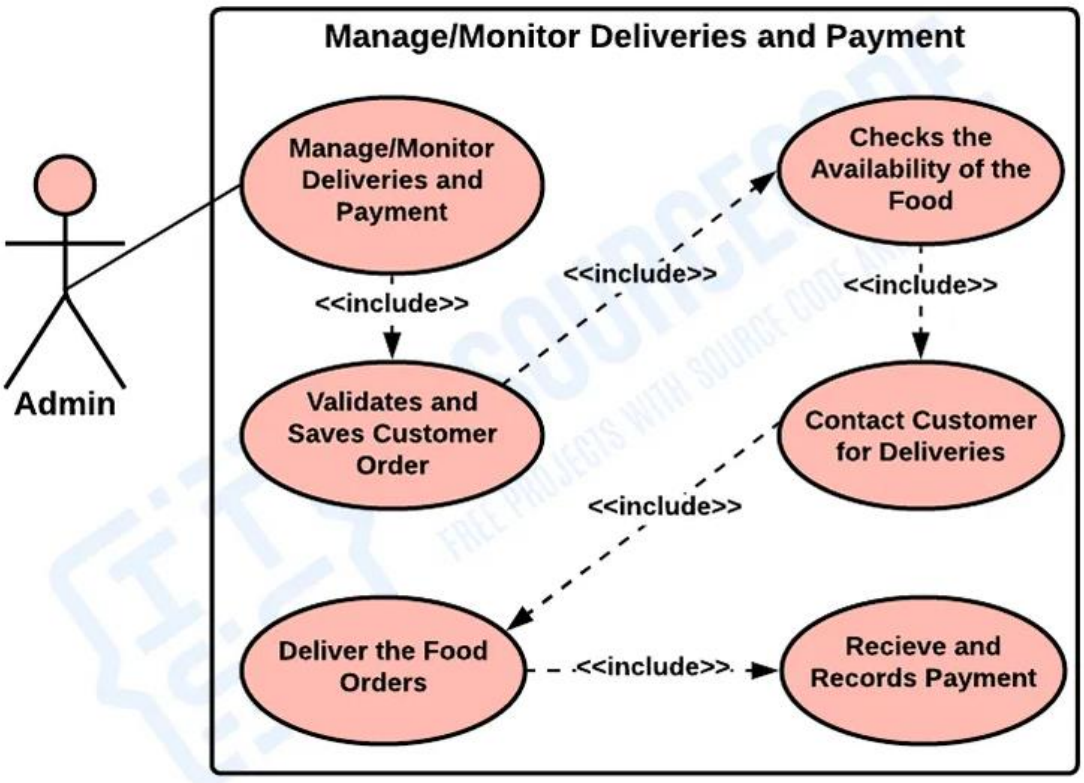
3.5 System Design

The online restaurant food ordering system is designed to give GT fast food an easy, fast and reliable means of food ordering. The system is designed with several interaction cues on each web page that makes up the web application (Gullun, 2016). These cues are well-defined such as to make several functionality that the application exposes to collect, process and output data. The system front-end will be designed using the newest Hypertext Markup Language (HTML 5) and Cascading stylesheet (CSS3) for visual integration. While the system back-end will be designed using Hypertext Preprocessor (PHP), MYSQLi as database for storing of back-end information. The system is a window-based system,

designed for the quick customers order booking, fast time delivery and more (Daniel, 2018).

3.5.1 System UML Diagram

A UML diagram is a diagram based on the UML (Unified Modeling Language) with the purpose of visually representing a system along with its main actors, roles, actions, artifacts or classes (Bullon, 2017). In order to better understand, alter, maintain, or document information about the system the UML diagram for the proposed system is defined below;



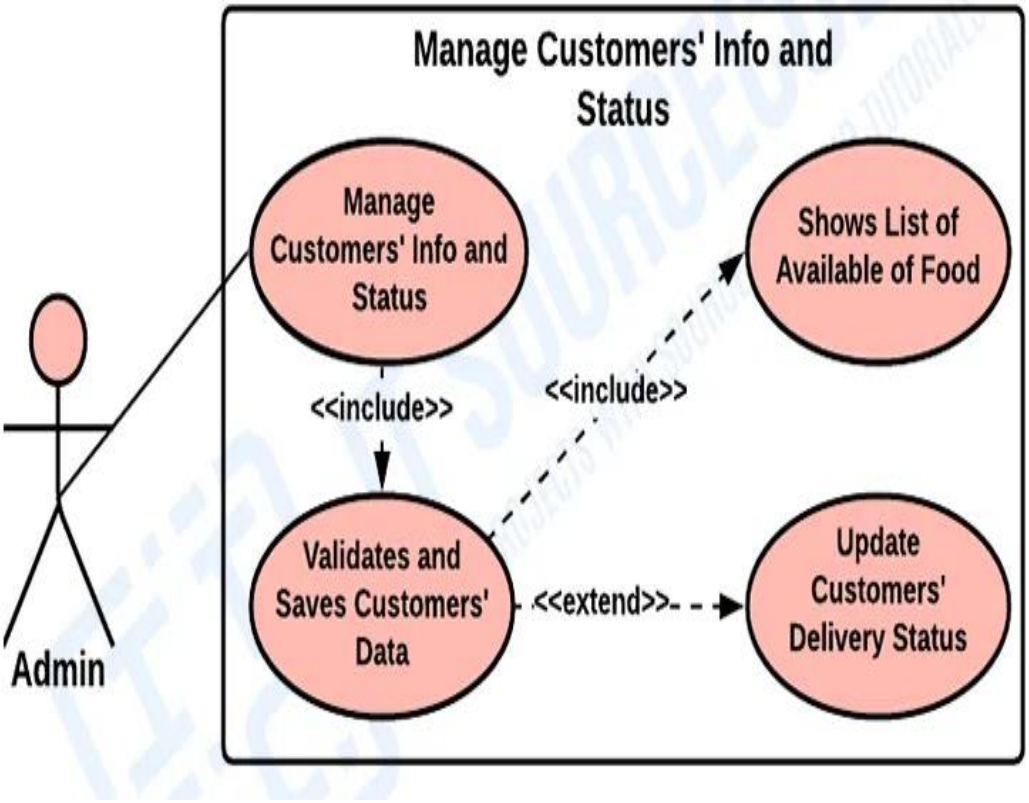
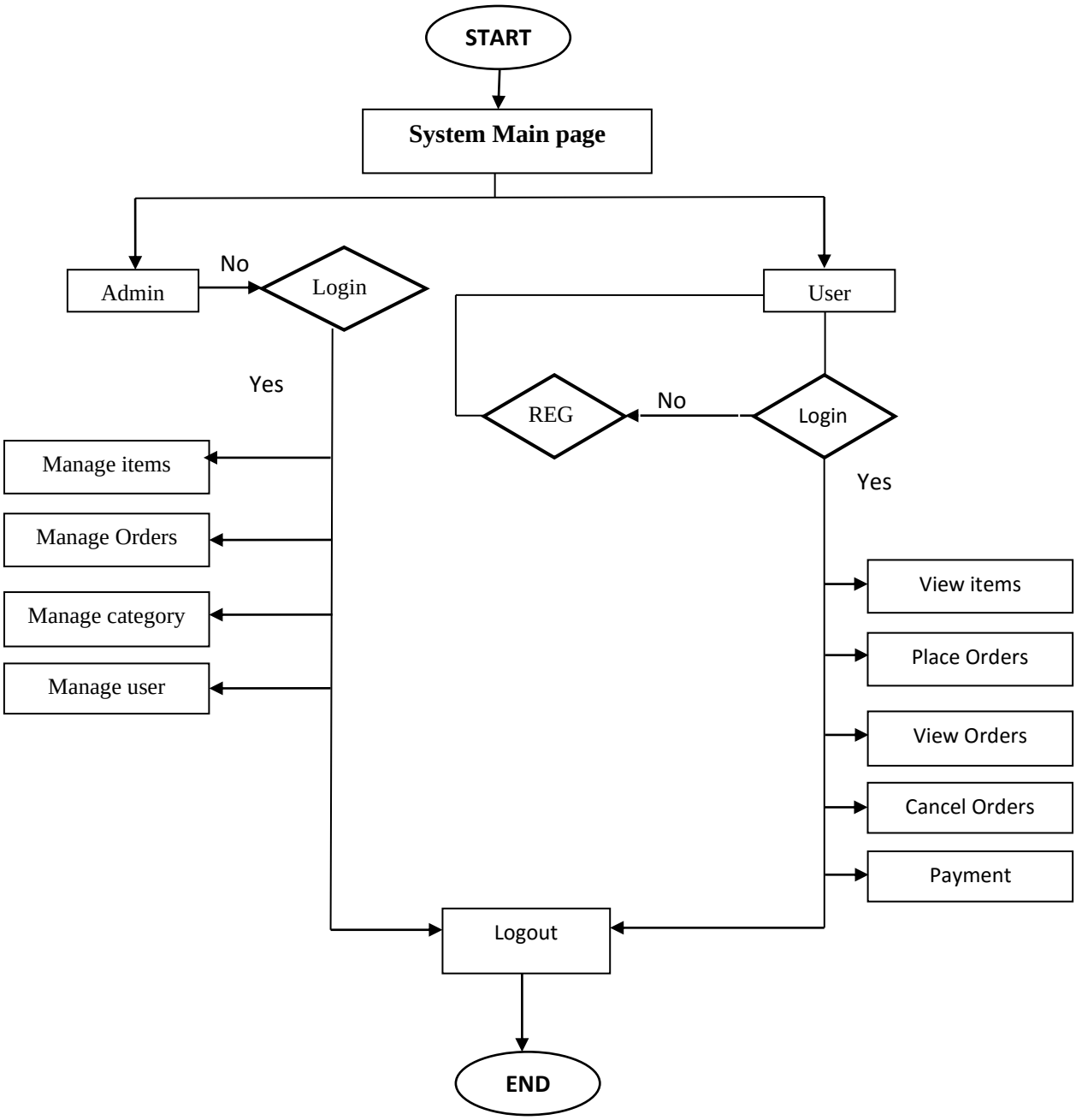
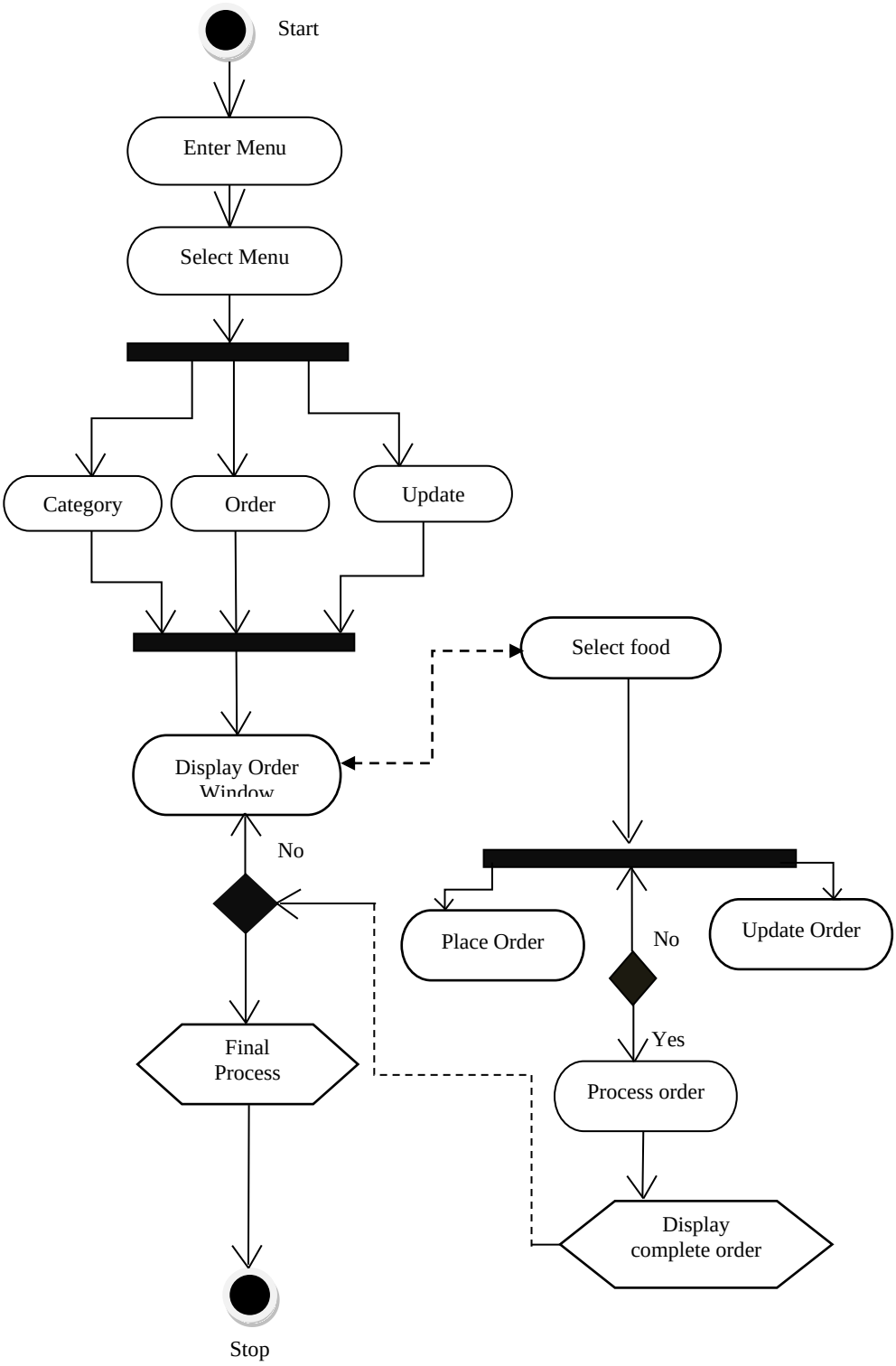


Fig 3.1: System UML Diagram

3.5.2 System Flowchart



3.5.3 Activity Diagram for the New System



3.5.4 Input Design

Table 3.1: Login form for User/ Administrator

Username:	
Password	

Login

The user login form allows customers and the administrator to login to the system dashboard. When the login button is clicked then the system makes a request to the database and, hence the information provided is being authenticated before access to the dashboard is granted.

Table 3.2: Customers Signup Form

First name:	
Last name:	
Username:	
Email:	
Password:	
Phone Number:	
Address:	
Zip code:	
City:	

Submit

The customer signup input design specification allows the customers to register their information before they can make ordering of food.

Table 3.3: Order Form

Order ID:	
Customer Name:	
Food Item:	
Email:	
Delivery Time:	
Customer Number:	
Customer Address:	
Food Price:	
Food Category:	
	Place Order

This input form design allows the customer to make booking of food item for delivery. Once this form is submitted the fastfood staff will have a notification that a customer has placed an order of food.

3.5.5 The Output Design

The system is designed in such a way that will efficiently provide output to the user promptly and in a well organized manner. The format for the several output are make available on the output web pages. Output can be relayed using the following page modules:

1. Product_list.php: This display output information for the list of food delicacies which are currently available

2. Search_result.php: This displays output information for the order report

3. Aboutus.php: This displays output information that talks about the ordering outfit.

4. List of Orders: This display the list of placed orders.

3.6 Rapid Application Development

In this study, the Rapid Application Development Methodology (RAD) is going to be used. RAD is a software development process that uses minimal planning in favour of prototyping, RAD according Wong (2019), is designed to give a much faster development and higher quality results than the traditional life cycle. The RAD is manila designed to make use of the most recent powerful software, and uses prototype. RAD is referred to as a merger of different structure (Leong, 2018). Techniques most especially the data information, which uses prototype in their software system development. There are so many Rapid Application Developments which include software prototyping.

The following are the features of RAD which include;

i. Pre-Designed Application Templates

ii. Visual Development Support

iii. Lifecycle Management

iv. Cross-Platform Compatibility

CHAPTER FOUR

IMPLEMENTATION, INTEGRATION AND TESTING

4.1 Implementation

According to Grill (2020), systems implementation is the process of defining how the information system should be built (i.e., physical system design), ensuring that the information system is operational and used, ensuring that the information system meets quality standard (i.e., quality assurance). Implementation is the realization of an application, or execution of a plan, idea, model, design, specification, standard, algorithm, or policy.

i) **Plan:** A plan is typically any diagram or list of steps with details of timing and resources, used to achieve an objective to do something. It is commonly understood as a temporal set of intended actions through which one expects to achieve a goal (Peruz, 2019).

ii) **Modelling:** is a scientific activity, the aim of which is to make a particular part or feature of the world easier to understand, define, quantify, visualize, or simulate by referencing it to existing and usually commonly accepted knowledge (Peter, 2019).

iii) **Algorithm:** In mathematics and computer science, an algorithm is a finite sequence of well-defined, computer-implementable instructions, typically to solve a class of problems or to perform a computation. Algorithms are always unambiguous and are used as specifications for

performing calculations, data processing, automated reasoning, and other tasks (Raymond, 2018).

iv) **Design:** A design is a plan or specification for the construction of an object or system or for the implementation of an activity or process, or the result of that plan or specification in the form of a prototype, product or process. The verb to design expresses the process of developing a design (Charles, 2018).

4.2 Input Specification and Design

In designing the input interface, of which the input form is one, a data structure that binds the input data to a table was drawn. The binding was done by simply using the form objects to relate the respective fields as contained in the database design. The sample input realized after the design is as shown below:

Add food Item for admin

Fig 4.1: Add food item

This input design help the administrator (Fastfood Manager) to add food items that will be display for users to book orders.

Place Food Order

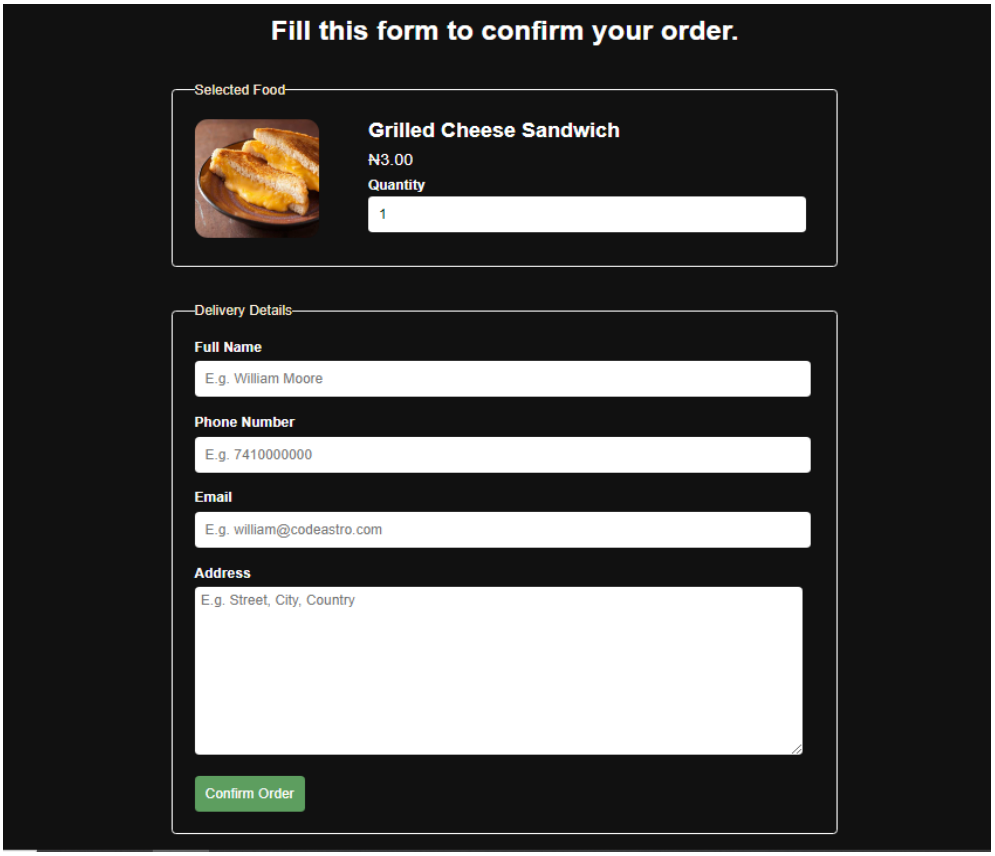


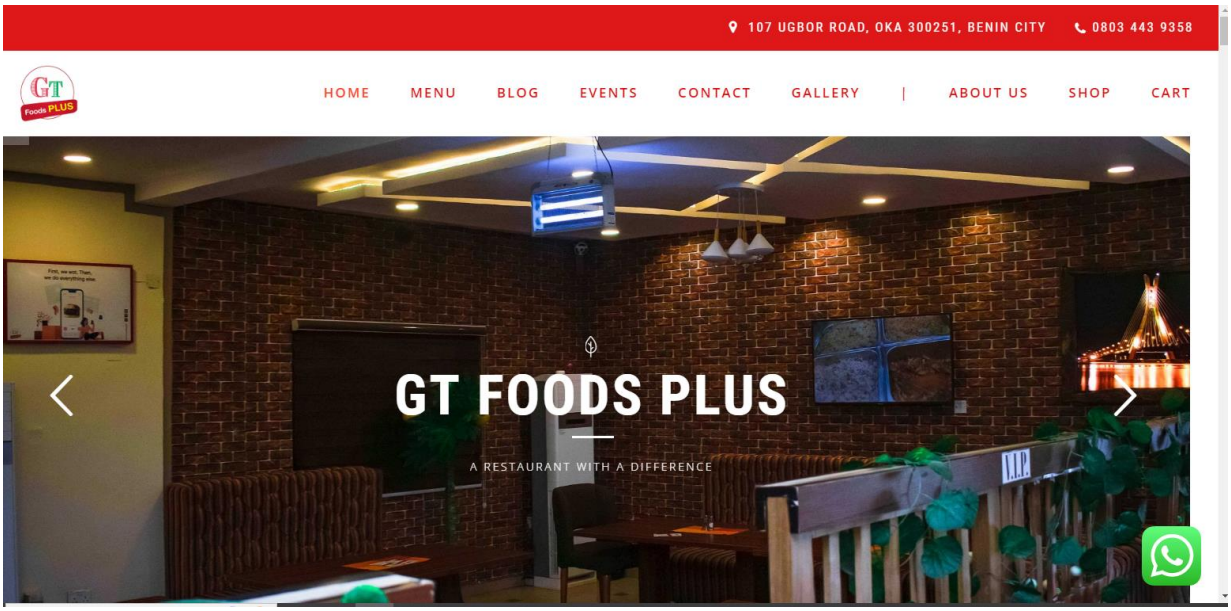
Fig 4.2: Place food order or customers

This design specification allows the users to the customers to place their orders food selected food items. When the customer checkout an order the system will then place a booking of those selected food items.

4.3 Output Specification and Design

This design start from the submitted by guest (a mentioned on the registration card) the processing of the data (creation of customers file) and the output desired information via the visual display unit or the print out.

System Homepage



The home page output design specification involves necessary link that will enable customers to easily navigate from one page to another.

Administrator (Fast food Manager) Dashboard

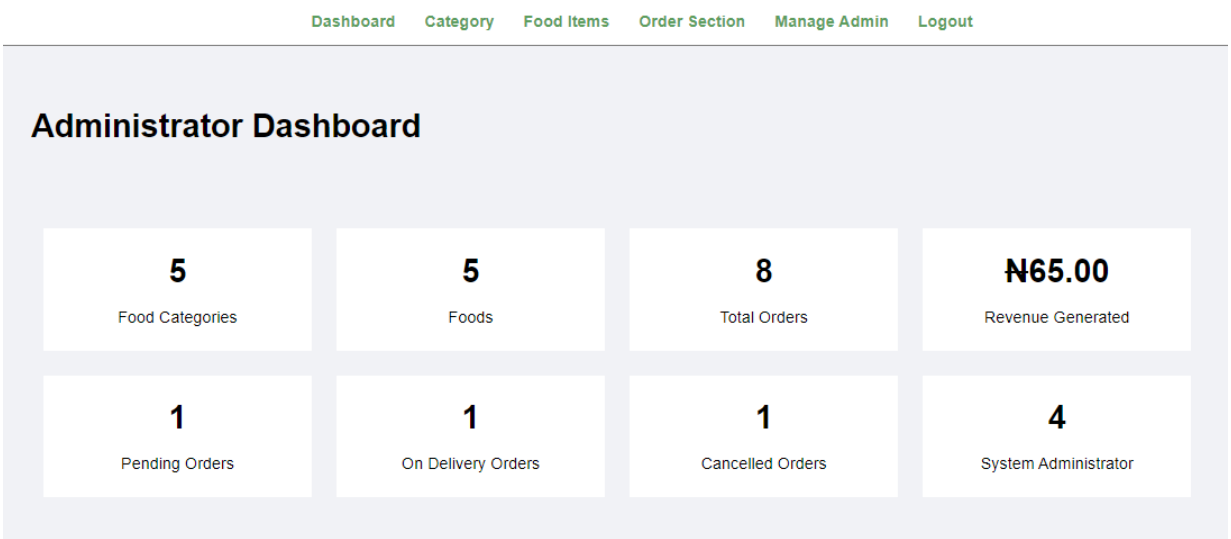


Fig 4.3: Administrator Dashboard (Fast food Manager)

The fastfood manager output design provides summarized details of items, customers booking, staff details, etc. This dashboard also provides useful navigations for the administrator to navigate from one page to another.

List of Food Menu

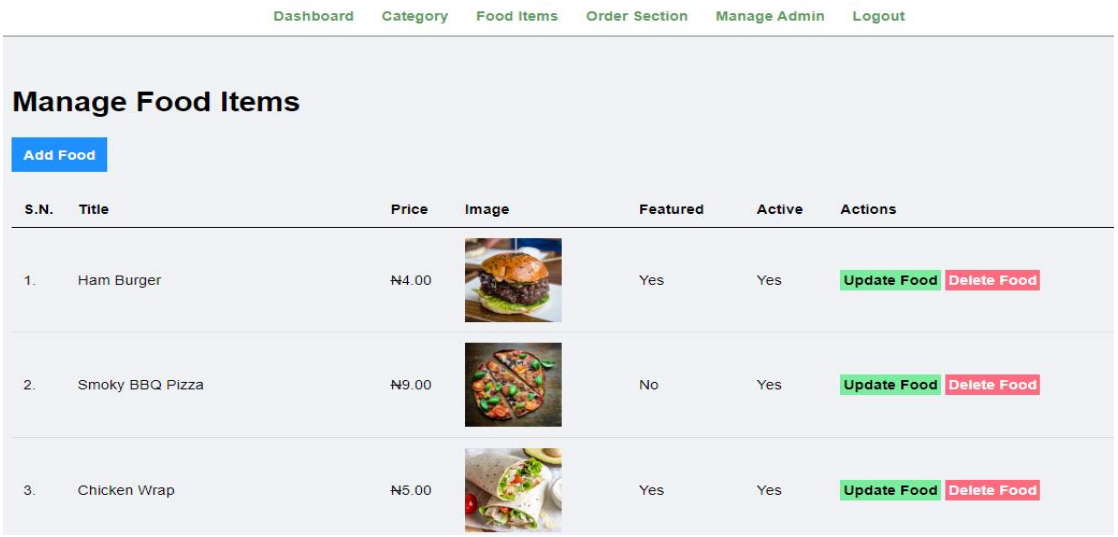
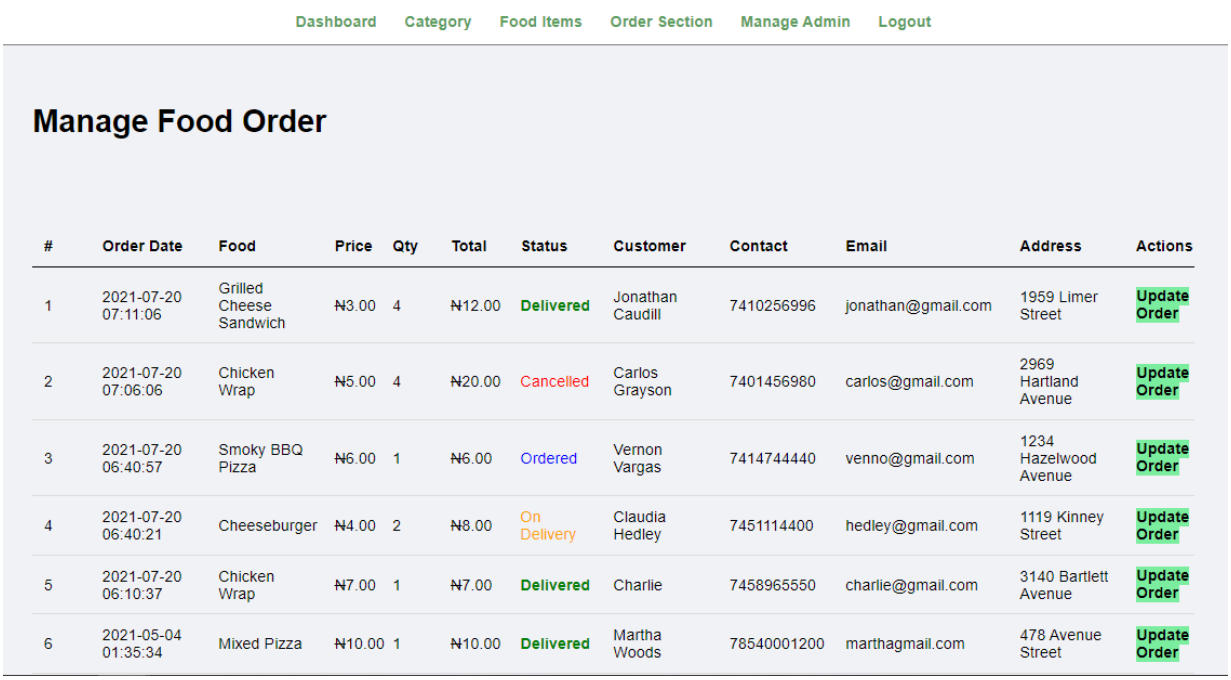


Fig 4.4: Food Menu

The food menu provides details about all available food items in the fastfood. From this page customers can see food menu, kind of food, recipes.

Reports



#	Order Date	Food	Price	Qty	Total	Status	Customer	Contact	Email	Address	Actions
1	2021-07-20 07:11:06	Grilled Cheese Sandwich	₦3.00	4	₦12.00	Delivered	Jonathan Caudill	7410256996	jonathan@gmail.com	1959 Limer Street	Update Order
2	2021-07-20 07:06:06	Chicken Wrap	₦5.00	4	₦20.00	Cancelled	Carlos Grayson	7401456980	carlos@gmail.com	2969 Hartland Avenue	Update Order
3	2021-07-20 06:40:57	Smoky BBQ Pizza	₦6.00	1	₦6.00	Ordered	Vernon Vargas	7414744440	venno@gmail.com	1234 Hazelwood Avenue	Update Order
4	2021-07-20 06:40:21	Cheeseburger	₦4.00	2	₦8.00	On Delivery	Claudia Hedley	7451114400	hedley@gmail.com	1119 Kinney Street	Update Order
5	2021-07-20 06:10:37	Chicken Wrap	₦7.00	1	₦7.00	Delivered	Charlie	7458965550	charlie@gmail.com	3140 Bartlett Avenue	Update Order
6	2021-05-04 01:35:34	Mixed Pizza	₦10.00	1	₦10.00	Delivered	Martha Woods	78540001200	marthagmail.com	478 Avenue Street	Update Order

Fig 4.6: Report

This section provides computerized report for the Fast food manager. All orders and place on each day is being recorded in the report table. This however provides flexibility in sales report and order accumulation for the day.

4.4 System Requirement

In this section, it deals with the specification of the requirement which must be met for the proper and smooth operation of a new system and this must be viewed carefully to void/prevent errors. This system requirement can be categorized into the following hardware requirement.

a) Software requirement

b) Man power requirement or operational

c) Environmental requirement

4.4.1 Hardware Requirement

This has to do with the basic hardware which the system needs for optimum performance, they are:

The system unit with the following configuration platinum 4MB processor chip 4GB of RAM.

1. MD ROM drive.
2. Pentium 4 – Dual Core and Above ,Micro Processor with at least 2.20 GHz
3. Colour Printer
4. Monitor, Keyboard& laser jet printer with auto paper feed or better ups.
5. Alternative power supply
6. A minimum of 500GB Hard Disk Drive
7. An uninterrupted Power Supply for Power Backup

4.4.2 Software Requirement

Software comprises the programs and appropriate documentation designed in a particular computer language or package for the realization of the proposed system, blows are the software requirements needed for the proposed system:

1. Windows Operating system (7, 10,8, Apple Mac, etc)
2. Wamp Apache (Local Host).
3. Hypertext Preprocessor (PHP) version 5.5 and above.
4. Browser (Google Chrome, Opera Mini, or Mozilar Fire Fox).
5. MYSQL Database.

4.4.3 Manpower of Operational Requirement

This deal with the skill and personal energy which is necessary and pro-requisite for the functioning of the system these include:

a) A data analyst and a programmer for the system maintenance

b) Computer Operator employees will act as operators of the system.

4.4.4 Environmental Requirement

This has to do with the overall requirement of the environmental in which the system will operate. This includes-

a) File fighting device

b) Dust free environment

c) Air condition room

4.5 Program Design

The program was designed using a module approach; the programming language used for this project work is PHP, MSQLi, HTML5 and CSS3. The program was written to create and update custom expert system modules involved in the program.

4.6 Users Guide

To use this software, the following steps must be followed;

1. Open your browser
2. Type in the web address of the portal to get you to the home page
3. Use the hyper links to navigate around the web portal

4.6.1 Choice Of Programming Language

In developing a restaurant ordering system there is much need to use high level sensitivity programming language. Upon the implementation of the system, the following are choice of language that will be used in the implementation of the system;

i. **Front-end (HTML5 and PHP 7):** Hypertext Pre-processor which stands for (PHP), have much reason why it is used for web development, firstly it is one of the current trend programming language in web technology and it's a free language with no licensing fees so the cost of using it is minimal. The system has higher Pipeline process that can handle the voting system and interact with many different database languages including MySQL as the back-end design.

i) **Back End (MYSQL):** Mysql is relational Database Management System software which is commonly used with PHP MySQL is very fast reliable and flexible Database Management System. It provides a very high performance and it is multi-threaded and multi user Relational Database management system. MySQL will provide high security and easy user interface.

JavaScript (Client Server): JavaScript is mainly used for web-based applications and web browsers. But JavaScript is also used beyond the

Web in software, servers and embedded hardware controls. Here the JavaScript is used for event handling and form validations.

4.7 Software Testing And Integration

4.7.1 The Test Plan

The test activities were carried out in stages. Each module was tested after and during Design using visual basic debugger.

4.7.2 System Testing

The modules tested include the module discussed earlier in the previous chapters. Each of these modules was tested with some test data. After each debugging stage, the module would be integrated into the main system.

4.7.3 Main System Driver Testing

The main diner, being the Home Page of the computerized system was tested for proper connectivity to the database, improper linkage to the database was immediately corrected and assurance was made to see that data were adequately retrieved and presented without errors.

4.7.4 Database Testing

Database testing was tested basically for connectivity and storage. The test started with the design stage, where efforts were ensured that the correct data representation was made.

4.7.5 Performance Evaluation

The performance of the system was very near the expected result. That is about 95% of the expected result.

CHAPTER FIVE

SUMMARY, CONCLUSION AND RECOMMENDATIONS

5.0 Summary

In this study we have discussed the design and implementation of online restaurant food ordering system for GT Fast food. We have also reviewed the design and implementation process of the system. With the help of this system, Fast foods vendors such as GT Fast food can easily enhance their delivery methods and food ordering. Using the application, the end users register online, read the E-menu card and select the food from the e-menu card to order food online.

Once the customer selects the required food item the chef will be able to see the results on the screen and start processing the food. This application nullifies the need of a waiter or reduces the workload of the waiter. This system is difficult to forge or cheat when compared to other systems in terms of payment for the food. It is very easy to use and has least maintenance.

It does not require any human intervention and thus can be called fully automated. It can also ensure that the people do not waste their precious time and use their time productively in the other works.

5.1 Conclusion

With proposed GT food plus system on board it will enhance customer’s experience by making the process of 'placing orders' a lot easier. In the new

system the customers can make an order for the food and avoid the hassles of waiting for the order to be taken by the waiter. The advantage is that in a crowded restaurant there will be chances that the waiters are overloaded with orders and they are unable to meet the requirements of the customer in a satisfactory manner. In long run, this will ensure that it helps to reduce labor cost. This system proves to be more cost effective and reliable over other systems. The system also enables the restaurant to know the items available in real time and make changes to their food and beverage inventory based on the orders placed and the orders completed.

5.3 Recommendations

i. Fast food Vendors should make sure that the website is SEO optimized and has a clear call to action.

ii. Using technology is an advantage for assigning orders to the restaurant delivery agents, and then tracking the orders once they are dispatched.

iii. Fast food Vendors or restaurants should adopt the method of online food ordering system as this can help improve productive and efficiency.

iv. It's also recommended that Uninterrupted Power Supply (UPS), should be put in place because of power fluctuation.

v. Lastly, administrator should always check for updated system drivers so as to help improve the performance of the system.

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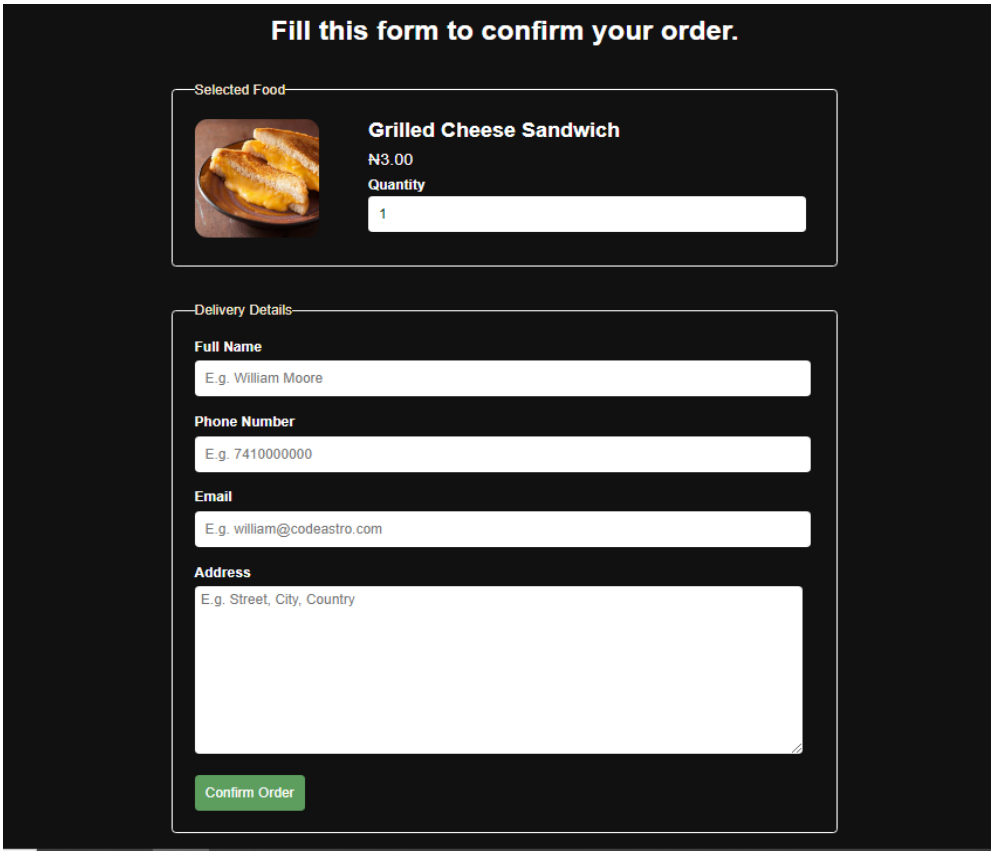
APPENDIX I: PROGRAM OUTPUT

Add food Item for admin

Place Food Order



Administrator (Fast food Manager) Dashboard

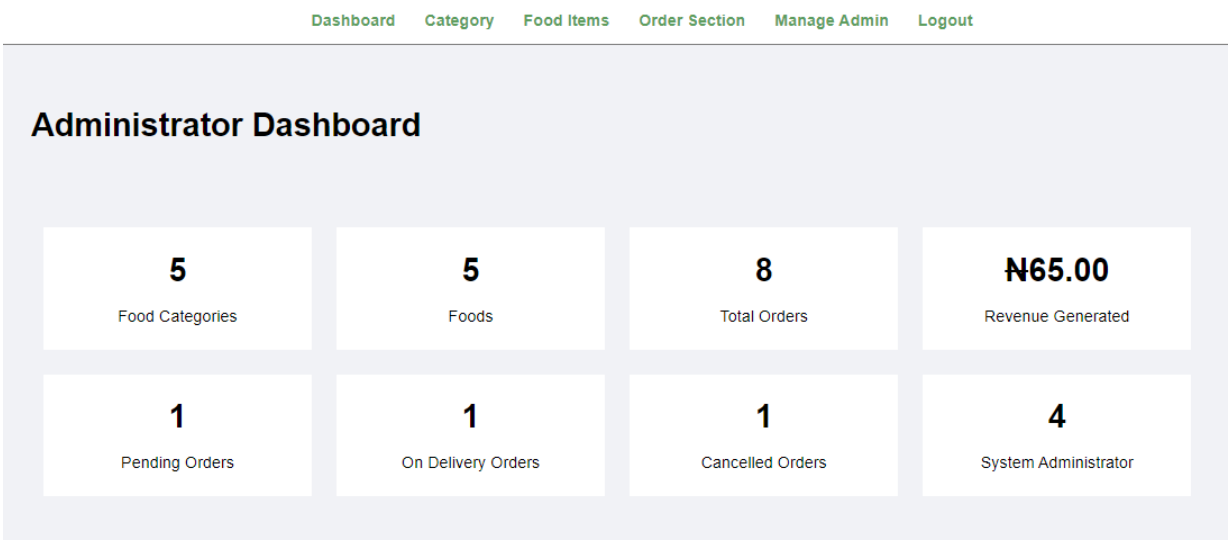


Fig 4.3: Administrator Dashboard (Fast food Manager)

List of Food Menu

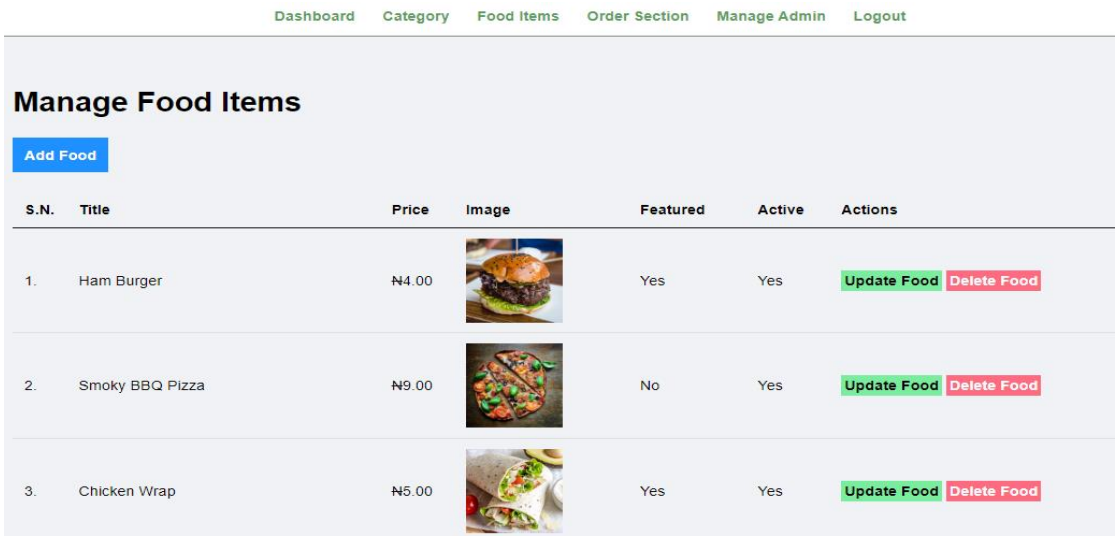


Fig 4.4: Food Menu

Reports

Dashboard Category Food Items Order Section Manage Admin Logout

Manage Food Order

#	Order Date	Food	Price	Qty	Total	Status	Customer	Contact	Email	Address	Actions
1	2021-07-20 07:11:06	Grilled Cheese Sandwich	₦3.00	4	₦12.00	Delivered	Jonathan Caudill	7410256996	jonathan@gmail.com	1959 Limer Street	Update Order
2	2021-07-20 07:06:06	Chicken Wrap	₦5.00	4	₦20.00	Cancelled	Carlos Grayson	7401456980	carlos@gmail.com	2969 Hartland Avenue	Update Order
3	2021-07-20 06:40:57	Smoky BBQ Pizza	₦6.00	1	₦6.00	Ordered	Vernon Vargas	7414744440	venno@gmail.com	1234 Hazelwood Avenue	Update Order
4	2021-07-20 06:40:21	Cheeseburger	₦4.00	2	₦8.00	On Delivery	Claudia Hedley	7451114400	hedley@gmail.com	1119 Kinney Street	Update Order
5	2021-07-20 06:10:37	Chicken Wrap	₦7.00	1	₦7.00	Delivered	Charlie	7458965550	charlie@gmail.com	3140 Bartlett Avenue	Update Order
6	2021-05-04 01:35:34	Mixed Pizza	₦10.00	1	₦10.00	Delivered	Martha Woods	78540001200	marthagmail.com	478 Avenue Street	Update Order

Report

APPENDIX II: PROGRAM OUTPUT

```
<?php include('partials/menu.php'); ?>

<div class="main-content">
   <div class="wrapper">
      <h1>Manage Food Items</h1>

      <br /><br />

            <!-- Button to Add Admin -->
            <a href="<?php echo SITEURL; ?>admin/add-food.php" class="btn-
primary">Add Food</a>

            <br /><br /><br />

            <?php
               if(isset($_SESSION['add']))
               {
                  echo $_SESSION['add'];
                  unset($_SESSION['add']);
               }

               if(isset($_SESSION['delete']))
               {
                  echo $_SESSION['delete'];
                  unset($_SESSION['delete']);
               }

               if(isset($_SESSION['upload']))
               {
                  echo $_SESSION['upload'];
                  unset($_SESSION['upload']);
               }

               if(isset($_SESSION['unauthorize']))
               {
                  echo $_SESSION['unauthorize'];
                  unset($_SESSION['unauthorize']);
               }

               if(isset($_SESSION['update']))
               {
```

```
        echo $_SESSION['update'];
        unset($_SESSION['update']);
    }

?>

<table class="tbl-full">
    <tr>
        <th>S.N.</th>
        <th>Title</th>
        <th>Price</th>
        <th>Image</th>
        <th>Featured</th>
        <th>Active</th>
        <th>Actions</th>
    </tr>

    <?php
        //Create a SQL Query to Get all the Food
        $sql = "SELECT * FROM tbl_food";

        //Execute the qUery
        $res = mysqli_query($conn, $sql);

        //Count Rows to check whether we have foods or not
        $count = mysqli_num_rows($res);

        //Create Serial Number VAriable and Set Default VAlue as 1
        $sn=1;

        if($count>0)
        {
            //We have food in Database
            //Get the Foods from Database and Display
            while($row=mysqli_fetch_assoc($res))
            {
                //get the values from individual columns
                $id = $row['id'];
                $title = $row['title'];
                $price = $row['price'];
                $image_name = $row['image_name'];
                $featured = $row['featured'];
                $active = $row['active'];
```

```
                    ?>

                    <tr>
                        <td><?php echo $sn++; ?>. </td>
                        <td><?php echo $title; ?></td>
                        <td>$<?php echo $price; ?></td>
                        <td>
                            <?php
                                //CHeck whether we have image or not
                                if($image_name=="")
                                {
                                    //WE do not have image, DIslpay Error Message
                                    echo "<div class='error'>Image not Added.</div>";
                                }
                                else
                                {
                                    //WE Have Image, Display Image
                                    ?>
                                    <img src="<?php echo SITEURL;
?>images/food/<?php echo $image_name; ?>" width="100px">
                                    <?php
                                }
                            ?>
                        </td>
                        <td><?php echo $featured; ?></td>
                        <td><?php echo $active; ?></td>
                        <td>
                            <a href="<?php echo SITEURL; ?>admin/update-
food.php?id=<?php echo $id; ?>" class="btn-secondary">Update Food</a>
                            <a href="<?php echo SITEURL; ?>admin/delete-
food.php?id=<?php echo $id; ?>&image_name=<?php echo $image_name; ?>"
class="btn-danger">Delete Food</a>
                        </td>
                    </tr>

                    <?php
                }
            }
            else
            {
                //Food not Added in Database
                echo "<tr> <td colspan='7' class='error'> Food not Added Yet.
</td> </tr>";
```

```
                }

            ?>


        </table>
    </div>

</div>

<?php include('partials/footer.php'); ?>


<?php include('partials/menu.php'); ?>

<?php
    //CHeck whether id is set or not
    if(isset($_GET['id']))
    {
        //Get all the details
        $id = $_GET['id'];

        //SQL Query to Get the Selected Food
        $sql2 = "SELECT * FROM tbl_food WHERE id=$id";
        //execute the Query
        $res2 = mysqli_query($conn, $sql2);

        //Get the value based on query executed
        $row2 = mysqli_fetch_assoc($res2);

        //Get the Individual Values of Selected Food
        $title = $row2['title'];
        $description = $row2['description'];
        $price = $row2['price'];
        $current_image = $row2['image_name'];
        $current_category = $row2['category_id'];
        $featured = $row2['featured'];
        $active = $row2['active'];

    }
    else
    {
        //Redirect to Manage Food
```

```
        header('location:'.SITEURL.'admin/manage-food.php');
    }
?>


<div class="main-content">
    <div class="wrapper">
        <h1>Update Food</h1>
        <br><br>

        <form action="" method="POST" enctype="multipart/form-data">

        <table class="tbl-30">

            <tr>
                <td>Title: </td>
                <td>
                    <input type="text" name="title" value="<?php echo $title; ?>">
                </td>
            </tr>

            <tr>
                <td>Description: </td>
                <td>
                    <textarea name="description" cols="30" rows="5"><?php echo
$description; ?></textarea>
                </td>
            </tr>

            <tr>
                <td>Price: </td>
                <td>
                    <input type="number" name="price" value="<?php echo $price;
?>">
                </td>
            </tr>

            <tr>
                <td>Current Image: </td>
                <td>
                    <?php
                        if($current_image == "")
                        {
```

```
                    //Image not Available
                    echo "<div class='error'>Image not Available.</div>";
                }
                else
                {
                    //Image Available
                    ?>
                    <img src="<?php echo SITEURL; ?>images/food/<?php echo
$current_image; ?>" width="150px">
                    <?php
                }
            ?>
        </td>
    </tr>

    <tr>
        <td>Select New Image: </td>
        <td>
            <input type="file" name="image">
        </td>
    </tr>

    <tr>
        <td>Category: </td>
        <td>
            <select name="category">

                <?php
                    //Query to Get ACtive Categories
                    $sql = "SELECT * FROM tbl_category WHERE active='Yes'";
                    //Execute the Query
                    $res = mysqli_query($conn, $sql);
                    //Count Rows
                    $count = mysqli_num_rows($res);

                    //Check whether category available or not
                    if($count>0)
                    {
                        //CAtegory Available
                        while($row=mysqli_fetch_assoc($res))
                        {
                            $category_title = $row['title'];
                            $category_id = $row['id'];
```

```
                        //echo "<option
value='$category_id'>$category_title</option>";
                        ?>
                        <option <?php if($current_category==$category_id){echo
"selected";} ?> value="<?php echo $category_id; ?>"><?php echo
$category_title; ?></option>
                        <?php
                    }
                }
                else
                {
                    //CAtegory Not Available
                    echo "<option value='0'>Category Not Available.</option>";
                }

            ?>

            </select>
        </td>
    </tr>

    <tr>
        <td>Featured: </td>
        <td>
            <input <?php if($featured=="Yes") {echo "checked";} ?>
type="radio" name="featured" value="Yes"> Yes
            <input <?php if($featured=="No") {echo "checked";} ?>
type="radio" name="featured" value="No"> No
        </td>
    </tr>

    <tr>
        <td>Active: </td>
        <td>
            <input <?php if($active=="Yes") {echo "checked";} ?> type="radio"
name="active" value="Yes"> Yes
            <input <?php if($active=="No") {echo "checked";} ?> type="radio"
name="active" value="No"> No
        </td>
    </tr>

    <tr>
```

```
            <td>
                <input type="hidden" name="id" value="<?php echo $id; ?>">
                <input type="hidden" name="current_image" value="<?php echo
$current_image; ?>">

                <input type="submit" name="submit" value="Update Food"
class="btn-secondary">
            </td>
        </tr>

    </table>

    </form>

    <?php

        if(isset($_POST['submit']))
        {
            //echo "Button Clicked";

            //1. Get all the details from the form
            $id = $_POST['id'];
            $title = $_POST['title'];
            $description = $_POST['description'];
            $price = $_POST['price'];
            $current_image = $_POST['current_image'];
            $category = $_POST['category'];

            $featured = $_POST['featured'];
            $active = $_POST['active'];

            //2. Upload the image if selected

            //CHeck whether upload button is clicked or not
            if(isset($_FILES['image']['name']))
            {
                //Upload BUtton Clicked
                $image_name = $_FILES['image']['name']; //New Image NAme

                //CHeck whether th file is available or not
                if($image_name!="")
                {
                    //IMage is Available
```

```
                //A. Uploading New Image

                //REname the Image
                $ext = end(explode('.', $image_name)); //Gets the extension of the
image

                $image_name = "Food-Name-".rand(0000, 9999).'.'.$ext; //THis
will be renamed image

                //Get the Source Path and DEstination PAth
                $src_path = $_FILES['image']['tmp_name']; //Source Path
                $dest_path = "../images/food/".$image_name; //DEstination Path

                //Upload the image
                $upload = move_uploaded_file($src_path, $dest_path);

                /// CHeck whether the image is uploaded or not
                if($upload==false)
                {
                    //FAiled to Upload
                    $_SESSION['upload'] = "<div class='error'>Failed to Upload
new Image.</div>";
                    //REdirect to Manage Food
                    header('location:'.SITEURL.'admin/manage-food.php');
                    //Stop the Process
                    die();
                }
                //3. Remove the image if new image is uploaded and current
image exists
                //B. Remove current Image if Available
                if($current_image!="")
                {
                    //Current Image is Available
                    //REmove the image
                    $remove_path = "../images/food/".$current_image;

                    $remove = unlink($remove_path);

                    //Check whether the image is removed or not
                    if($remove==false)
                    {
                        //failed to remove current image
```

```
                    $_SESSION['remove-failed'] = "<div class='error'>Faile to
remove current image.</div>";
                    //redirect to manage food
                    header('location:'.SITEURL.'admin/manage-food.php');
                    //stop the process
                    die();
                }
            }
        }
        else
        {
            $image_name = $current_image; //Default Image when Image is
Not Selected
        }
    }
    else
    {
        $image_name = $current_image; //Default Image when Button is not
Clicked
    }



    //4. Update the Food in Database
    $sql3 = "UPDATE tbl_food SET
        title = '$title',
        description = '$description',
        price = $price,
        image_name = '$image_name',
        category_id = '$category',
        featured = '$featured',
        active = '$active'
        WHERE id=$id
    ";

    //Execute the SQL Query
    $res3 = mysqli_query($conn, $sql3);

    //CHeck whether the query is executed or not
    if($res3==true)
    {
        //Query Exectued and Food Updated
```

```
                $_SESSION['update'] = "<div class='success'>Food Updated
Successfully.</div>";
                header('location:'.SITEURL.'admin/manage-food.php');
            }
            else
            {
                //Failed to Update Food
                $_SESSION['update'] = "<div class='error'>Failed to Update
Food.</div>";
                header('location:'.SITEURL.'admin/manage-food.php');
            }


        }

    ?>

  </div>
</div>

<?php include('partials/footer.php'); ?>
```