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Online Restaurant Management System

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DECLARATION

We, hereby, declare that the work presented in this Project is the outcome of the investigation performed by me under the supervision of Tarin Kazi, Senior Lecturer, Department of Computer Science & Engineering, Stamford University Bangladesh. We also declare that no part of this Project and thereof has been or is being submitted elsewhere for the award of any degree or Diploma.

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ABSTRACT

The Online Restaurant Management System provides convenience for the customers. It overcomes the disadvantages of the traditional queuing system. This system increases the takeaway of foods than visitors. Therefore, this system enhances the speed and standardization of taking the order from the customer. It provides a better communication platform. The user's details are noted electronically. This System set up menu online and the customers easily places the order with a simple mouse click. By using the food menu online anyone can easily track the orders, maintain customer's database and improve food delivery service. This system allows the user to select the desired food items from the displayed menu. The user's details are maintained confidential because it maintains a separate account for each user.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

This manuscript is proposing about all the features and dealings to develop the system. Especially it is containing details about objectives, possibility, plan replica, primary and functional requirements, database model and as final point coverage and analyzing the mechanisms. Once analyzing the mechanisms of the task that would be performed, the following point is to consider the problem and understand is framework. Online Restaurant Management System is a project which 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. Those 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. Admin is the most powerful user of the system [1].

1.2 What is Online Restaurant Management System?

Online restaurant is a process of ordering food from a local restaurant or food cooperative through a web page. Much like ordering consumer goods online, many of these allow customers to keep accounts with them in order to make frequent ordering convenient. A customer will search for a favourite restaurant, usually filtered via type of cuisine and choose from available items, and choose delivery or pick-up. Payment can be amongst others either by credit card or cash, with the restaurant returning a percentage to the online food company.

1.3 Background of the project

The online restaurant management system is one of the latest servicers most fast food restaurants in the western world are adopting. 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 project will enable customers go online and place order for their food. 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 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. But while trying to discuss the transfer method of the goods and services, attention is focused on the payment mode. In other words, how possible is it to pay for goods and services via the internet? This then leads to the discussion of the economic consequences of digital cash. 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 this system is that it greatly simplifies the ordering process for both the customer and the restaurant. 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. The greatest advantage of this system is its FLEXIBILITY [1].

1.4 Objective of the project

This project Online restaurant aim to be developed and brought to the market for maximum use and to create an avenue through the web where users can log on to our server and make a selection of whatever goods or food they like and subsequently pay via the internet. The following are the objectives this would bring:

1. The home page of this web interfile provides an avenue where customers will be able to gather more and reliable information about what the fast food industry really does.

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

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

4. 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.

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

1.5 Scope of the project

In this project, a fast food company is designed to enable customers order for food and get it delivered accordingly and also to reduce the long queues of customers at the counter ordering for food and to reduce the work lord on the employees. The following things are among other things that are discussed and what the website would handle:

- 1. About the fast food company
- 2. The fast food and the services offered there
- 3. Online purchase
- 4. Type of food provided [1].

1.6 Overview of Document

In chapter 1 we talk about basic things of our project report, what is online restaurant management system, scope of this project, objective of this document etc. we also give an overall preview of this document in this chapter.

In Chapter 2 we describe how we analysis the system model, which model we follow to do this project. According to the software development life cycle we follow the waterfall model for complete our project.

In Chapter 3 we describe the requirements gathering procedure and its constraints. Methodological explanation of the project battered near peripheral viewers. This section includes information such as data requirements, functional requirements and an over-all narrative of the system and its interaction with users from the perspective of the customer.

In Chapter 4 we describe the system design parts designed by unified model language, we fully document this part to understand easily for the users.

In Chapter 5 we discuss and give some tables structures and screenshots of our system for the form design and helps customer to use this system easily.

In Chapter 6 we describe the maintenance procedure of this project. We also discuss about the activities and problem phases of maintenance.

Finally at the end in Chapter 7 we give the conclusion of this document and talk about limitations and future plans what we will implement in future we hope so.

CHAPTER 2

SOFTWARE DEVELOMENT LIFE CYCLE

2.1 Software Development Life Cycle

The software industry includes many different processes, for example, analysis, development, maintenance and publication of software. This industry also includes software services, such as training, documentation, and consulting. Our focus here about software development life cycle (**SDLC**). So, due to that different types of projects have different requirements. Therefore, it may be required to choose the SDLC phases according to the specific needs of the project. These different requirements and needs give us various software development approaches to choose from during software implementation [2].

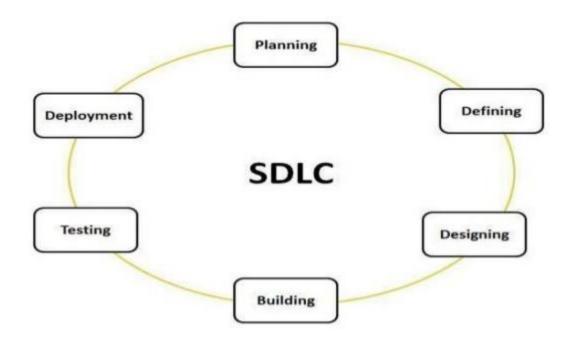


Figure 2.1.SDLC Phases

2.2 SDLC Models

There are various software development life cycle models defined and designed which are followed during software development process. These models are also referred as "Software Development Process Models". Each process model follows a Series of steps unique to its type, in order to ensure success in process of software development. Following are the most important and popular SDLC models followed in the industry [2]:

- 1. Waterfall model
- 2. V-Shaped model
- 3. Prototyping model
- 4. Spiral model
- 5. Iterative and Incremental model
- 6. Agile model
- 7. RAD model.

2.3 Scrutinizing Our Project Model

Selecting accurate model for developing of the software invention or request is very significant. Founded on the model the expansion and testing processes are accepted out. As Waterfall Model is more traditional and easy to gather requirements and analysing system, so we choose this model according to complete this project. This technique works well for big projects that may take numerous months to progress.

2.3.1 Waterfall Model

The Waterfall Model was first Process Model to be introduced. It is also referred to as a linear-sequential life cycle model. It is very simple to understand and use. In a waterfall model, each phase must be completed before the next phase can begin and there is no overlapping in the phases. Waterfall model is the earliest SDLC approach that was used for software development. The waterfall Model illustrates the software development process in a linear sequential flow; hence it is also referred to as a linear-sequential life cycle model. This means that any phase in the development process begins only if the previous phase is complete. In waterfall model phases do not overlap [3].

2.3.2 Waterfall Model Design

Waterfall approach was first SDLC Model to be used widely in Software Engineering to ensure success of the project. In "The Waterfall" approach, the whole process of software development is divided into separate phases. In Waterfall model, typically, the outcome of one phase acts as the input for the next phase sequentially. Following is a diagrammatic representation of different phases of waterfall model [3].

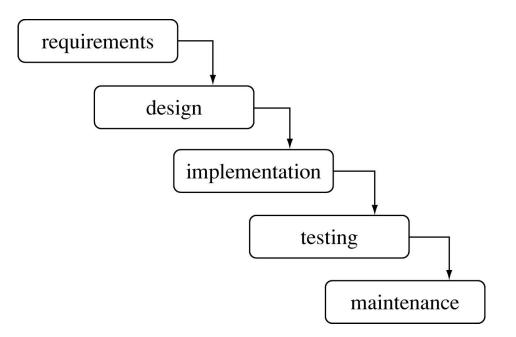


Figure 2.2. Waterfall Model

2.3.3 Waterfall Model Phases

The sequential phases in Waterfall model are:

1. Requirement Gathering and analysis: All possible requirements of the system to be developed are captured in this phase and documented in a requirement specification doc.

2. System Design: The requirement specifications from first phase are studied in this phase and system design is prepared. System Design helps in specifying hardware and system requirements and also helps in defining overall system architecture.

3. Implementation: With inputs from system design, the system is first developed in small programs called units, which are integrated in the next phase. Each unit is developed and tested for its functionality which is referred to as Unit Testing.

4. Integration and Testing: All the units developed in the implementation phase are integrated into a system after testing of each unit. Post integration the entire system is tested for any faults and failures.

5. Deployment of system: Once the functional and non-functional testing is done, the product is deployed in the customer environment or released into the market.

6. Maintenance: There are some issues which come up in the client environment. To fix those issues patches are released. Also to enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment.

All these phases are cascaded to each other in which progress is seen as flowing steadily downwards (like a waterfall) through the phases. The next phase is started only after the defined set of goals are achieved for previous phase and it is signed off, so the name "Waterfall Model". In this model phases do not overlap [3].

2.4 Advantages and Disadvantages of Waterfall Model

2.4.1 Advantages of Waterfall Model:

1) Waterfall model is simple to implement and also the amount of resources required for it are minimal.

2) In this model, output is generated after each stage (as seen before), therefore it has high visibility. The client and project manager gets a feel that there is considerable progress. Here it is important to note that in any project psychological factors also play an important role.

3) Project management, both at internal level and client's level, is easy again because of

visible outputs after each phase. Deadlines can be set for the completion of each phase and evaluation can be done from time to time, to check if project is going as per milestones.

4) This methodology is significantly better than the haphazard approach to develop software. It provides a template into which methods of analysis, design, coding, testing and maintenance can be placed.

5) This methodology is preferred in projects where quality is more important as compared to schedule or cost.

2.4.2 Disadvantages of Waterfall Model

1) Real projects rarely follow the sequential flow and iterations in this model are handled indirectly. These changes can cause confusion as the project proceeds.

2) It is often difficult to get customer requirements explicitly. Thus specifications can't be freezed. If that case arises baseline approach is followed, wherein output of one phase is carried forward to next phase. For example, even if SRS is not well defined and requirements can't be freezed, still design starts. Now if any changes are made in SRS then formal procedure is followed to put those changes in baseline document.

3) In this model we freeze software and hardware. But as technology changes at a rapid pace, such freezing is not advisable especially in long-term projects.

4) This method is especially bad in case client is not IT-literate as getting specifications from such a person is tough.

5) Even a small change in any previous stage can cause big problem for subsequent phases as all phases are dependent on each-other.

6) Going back a phase or two can be a costly affair [4].

CHAPTER 3

REQUIREMENT GATHERING/ANALYSIS

3.1 Requirement Analysis

Requirements analysis in systems engineering and software engineering, encompasses those tasks that go into determining the needs or conditions to meet for a new or altered product or project, taking account of the possibly conflicting requirements of the various stakeholders, analysing, documenting, validating and managing software or system requirements.^[2]

Requirements analysis is critical to the success or failure of a systems or software project.^[3] The requirements should be documented, actionable, measurable, testable, traceable, related to identified business needs or opportunities, and defined to a level of detail sufficient for system design [5].

3.2 System Requirement

Our system can be used in windows XP, windows 7, and windows 8 with 32 bit, and 64 bit operating system and also supported for other platform such as Linux OS X.

- For Windows XP based computers, a 486 / 66 MHz or higher processor with 8 MB.
- For Windows 7 and Windows 8 based computers, higher processor with 2 GB ram.

3.3 Software and Hardware Requirements

3.3.1 Software Requirements:

- Web server software: Apache Tomcat, Wamp.
- Server side scripting tool: PHP-5.6.
- Database tools: MYSQL DBMS.
- Compatible operating system: Windows, Mac.
- Front end design tool: Html5, CSS3, Java script, Word press, J Query.
- Software tools: Wordpress CMS, Revolution Slider, Newsletter subscription, Wocommerce, Social sharing.

3.3.2 Hardware Requirements:

- Hardware recommend by all the software needed.
- RAM: 256MB or more
- Hard Drive: 10 GB or more
- Communication hardware to serve client request

3.4 User Requirements

To deliver the best service to the users we tried to find out the users necessities which are below:

Administrator Aspect:

- Monitoring the whole system from admin panel.
- Taking back up of the database.
- Creating, deleting and modifying the records.
- Add users for the admin panel.
- Add customers and other staff.
- Keeping the customer's record like their details.
- Organizing their member registration system.
- Approve the notice to post.
- Monitoring the transaction system.

Customer Aspect:

- Signing in and signing up to the system.
- Changing their password.
- Resetting forgot password.

3.5 Functional Requirements

In Software engineering and systems engineering, a functional requirement defines a function of a system or its component. A function is described as a set of inputs, the behaviour, and outputs.

Functional requirements may be calculations, technical details, data manipulation and processing and other specific functionality that define what a system is supposed to accomplish.^[1] Behavioural requirements describing all the cases where the system uses the functional requirements are captured in use cases. Functional requirements are supported by non-functional requirements (also known as quality requirements), which impose constraints on the design or implementation (such as performance requirements, security, or reliability). Generally, functional requirements are expressed in the form "system must do <requirement>", while non-functional requirements are "system shall be <requirement>". The plan for implementing functional requirements is detailed in the system design. The plan for implementing non-functional requirements is detailed in the system architecture.

As defined in requirements engineering, functional requirements specify particular results of a system. This should be contrasted with non-functional requirements which specify overall characteristics such as cost and reliability. Functional requirements drive the application architecture of a system, while non-functional requirements drive the technical architecture of a system [6].

3.6 Non-functional Requirements

In systems engineering and requirements engineering, a non-functional requirement is a requirement that specifies criteria that can be used to judge the operation of a system, rather than specific behaviours. They are contrasted with functional requirements that define specific behaviour or functions. The plan for implementing functional requirements is detailed in the system design. The plan for implementing non-functional requirements is detailed in the system architecture, because they are usually Architecturally Significant Requirements. [7].

3.7 Business Requirements

Business requirements in the context of software engineering or the software development life cycle, is about eliciting and documenting business requirements of business users such as customers, employees, and vendors early in the development cycle of a system to guide the design of the future system. Business requirements are often captured by business analysts, who analyse business activities and processes, and often study As-is process to define a target To-be process.

Business requirements often include

- Business context, scope, and background, including reasons for change
- Key business stakeholders that have requirements
- Success factors for a future/target state
- Constraints imposed by the business or other systems
- Business process models and analysis, often using flowchart notations to depict either 'asis' and 'to-be' business processes
- Logical data model and data dictionary references
- Glossaries of business terms and local jargon
- Data flow diagrams to illustrate how data flows through the information systems (different from flowcharts depicting algorithmic flow of business activities) [8].

3.8 Data and Category Requirements

There are dissimilar classes of users namely admin, customer and other staff. Depending upon the category of users the access rights are obvious. It means if the user is an administrator then he/she can be able to adjust the data delete, add etc. All other users expect the restaurant only have the rights to save the info about database. The database stores the detail of customer's proper time. Admin should be able to update restaurant records.

CHAPTER 4

SYSTEM DESIGN (UML)

4.1 Use Case

In software and systems engineering, a use case is a list of actions or event steps, typically defining the interactions between a role and a system, to achieve a goal [9].

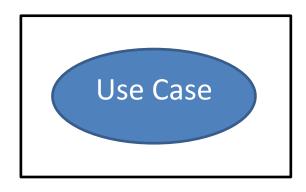


Figure 4.1Use-case

4.1.1 Elements of Use Case Diagram

Actor:

An actor in the Unified Modelling Language (UML) specifies a role played by a user or any other system that interacts with the subject [10].

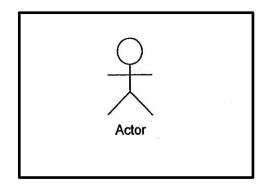


Figure 4.2 Actor

Association:

An association between an actor and a use case indicates that the actor and the use case somehow interact or communicate with each other [11]

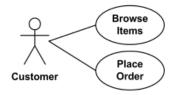


Figure 4.3 Associations in Use-Case

Includes

Include is used to extract use case fragments that are *duplicated* in multiple use cases. The included use case cannot stand alone and the original use case is not complete without the included one. This should be used sparingly an only in cases where the duplication is significant and exists by design (rather than by coincidence [12].

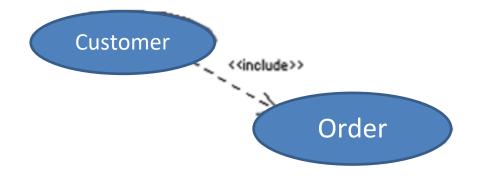


Figure: 4.4 Include Relation in Use-Case

4.1.2 Actor Depiction

Actors are exterior entities that cooperate with the structure. Actor pledges system activities for the determination of finishing some task. Actors in this project are as follows:

Admin: Monitor the system, add product, add customer, add others staff etc.

Customer: Signing in and signing up to the system, changing their password and resetting forgot password.

4.1.3 Use-Case Diagram for Online Restaurant Management System

A use case diagram at its simplest is a representation of a user's interaction with the system and depicting the specifications of a use case. A use case diagram can portray the different types of a system and the various ways that they interact with the system.

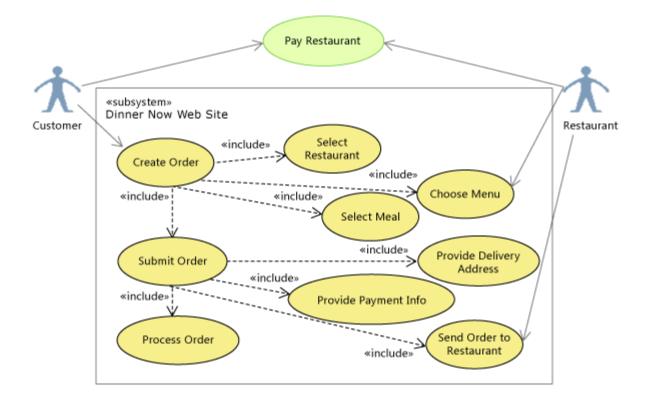


Figure: 4.5 Use-Case Diagram for Online Restaurant Management System

4.2 Class Diagram of Online Restaurant Management System

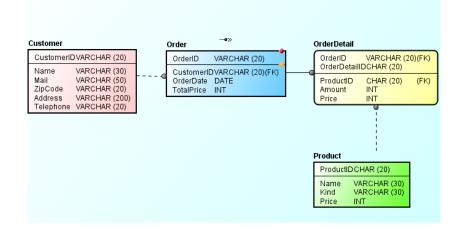


Figure: 4.6 Class diagram of Online Restaurant Management System

4.3 Sequence Diagram

A Sequence diagram is an interaction diagram that shows how objects operate with one another and in what order. It is a construct of a message sequence chart. A sequence diagram shows object interactions arranged in time sequence [13]

4.3.1 Sequence Diagram for Admin

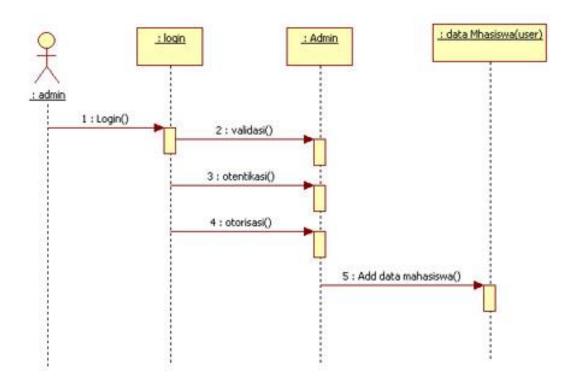


Figure: 4.7 Sequence Diagram for Admin

4.3.2 Sequence Diagram for Customer

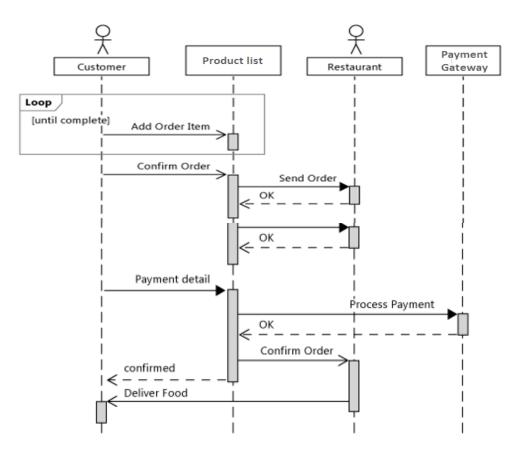


Figure: 4.8 Sequence Diagram for Customer

4.3.4 Sequence Diagram of Online Restaurant Management System

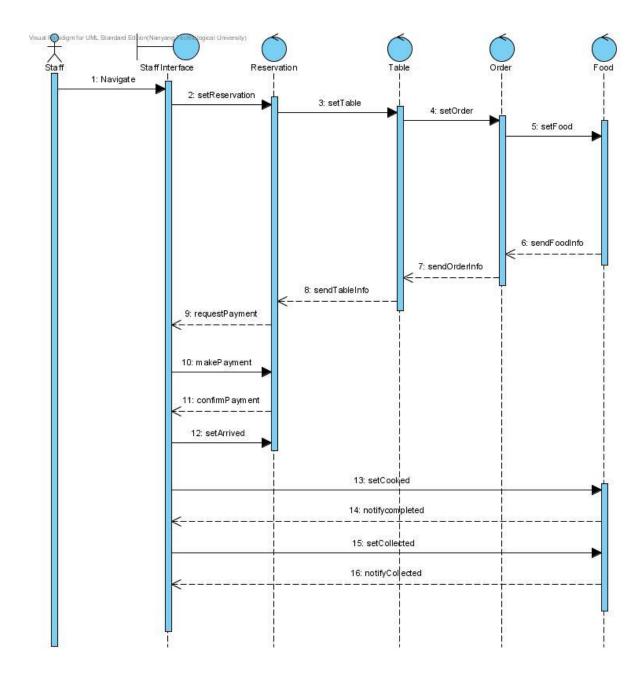


Figure: 4:9 Sequence Diagram of Online Restaurant Management System

4.4 Entity-Relationship Model

An entity relationship model, also called an entity-relationship (ER) diagram, is a graphical representation of entities and their relationships to each other, typically used in computing in regard to the organization of data within databases or information systems [14].

4.4.1 Entity-Relationship Diagram

An entity-relationship diagram (ERD) is a data modelling technique that graphically illustrates an information system's entities and the relationships between those entities. An ERD is a conceptual and representational model of data used to represent the entity framework infrastructure [15].

4.4.2 Relational Model for Online Restaurant Management System

User (id, user_login, user_pass, user_nikename, user_email, user_url, user_registered, user_activation_key, user_status, display_name)

Item (order_item_id, order_item_name, order_item_type, order_id)

Options (option_id, option_name, option_value, autoload)

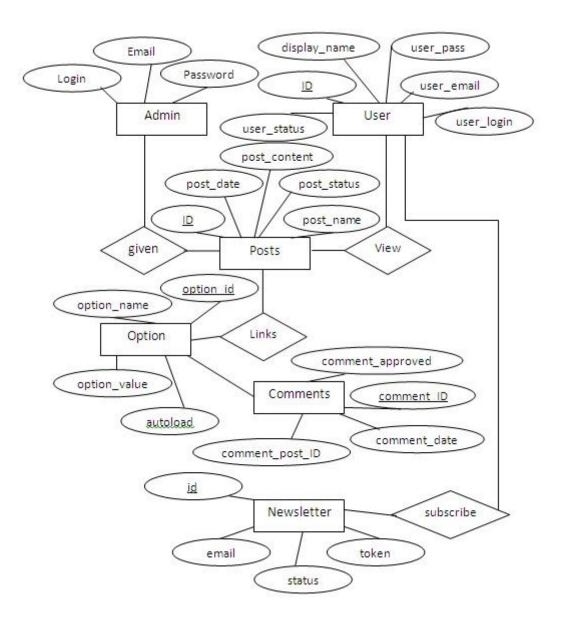
Usermeta (<u>umeta_id</u>, user_id, meta_key, meta_value)

Comments (<u>comment id</u>, comment_post_id, comment_author, comment_author_email, comment_author_url, comment_author_IP, comment_date, comment_date_gmt, comment_content, comment_karm, comment_approved, comment_agents, comment_type, comment_ parent, user_id)

Link (<u>link_id</u>, link_name, link_image, link_target, link_description, link_visible, link_owner, link_rating, link_updated, link_rel, link_note, link_rss)

Terms (term id, name, slug, term_group)

4.4.3 E-R Diagram for Online Restaurant Management System



.Figure 4.10 E-R Diagram for Online Restaurant Management System

CHAPTER 5

DATA DEFINATIONS AND FORM DESIGN

5.1 Data Definition

This section describes the tables those are used in the online restaurant management system.

5.1.1 Database Restaurant Online Management System

Table:

Different types of information tables those are used in this system discussed.

5.1.2 Table structure for commentmeta (pjtwp_commentmeta)

The commentmeta data is the information you provide to viewers about each comment.

	# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
	1 meta id	bigint(20)		UNSIGNED	No	None	AUTO_INCREMENT	🥜 Change 🤤 Drop 🔊 Primary 🔃 Unique 🐖 Index 🕎 Spatial 🗢 More
	2 comment_id	bigint(20)		UNSIGNED	No	0		🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🗾 Index 🛐 Spatial 🗢 More
1	3 meta_key	varchar(255)	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🐖 Index 🕎 Spatial 🗢 More
	4 meta_value	longtext	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🐖 Index 🕎 Spatial 🗢 More

5.1.3 Table structure for comments (pjtwp_comments)

A comment is a text note added to source code to provide explanatory information, usually about the function of the code.

# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1 comment ID	bigint(20)		UNSIGNED	No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary 頂 Unique 🗢 More
2 comment_post_ID	bigint(20)		UNSIGNED	No	0		🥜 Change 🥥 Drop 🤌 Primary ᠾ Unique 🗢 More
3 comment_author	tinytext	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop <i> </i> Primary 🔟 Unique 🗢 More
4 comment_author_email	varchar(100)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🌽 Primary 🔟 Unique 🗢 More
5 comment_author_url	varchar(200)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🄑 Primary ᠾ Unique 🗢 More
6 comment_author_IP	varchar(100)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🄑 Primary ᠾ Unique 🗢 More
7 comment_date	datetime			No	0000-00-00 00:00:00		🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🗢 More
8 comment_date_gmt	datetime			No	0000-00-00 00:00:00		🥜 Change 🥥 Drop 🌽 Primary ᠾ Unique 🗢 More
9 comment_content	text	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🔊 Primary ᠾ Unique 🗢 More
10 comment_karma	int(11)			No	0		🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🗢 More
11 comment_approved	varchar(20)	utf8mb4_unicode_ci		No	1		🥜 Change 🥥 Drop 🄑 Primary 🔟 Unique 🗢 More
12 comment_agent	varchar(255)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🄑 Primary 🔟 Unique 🗢 More
13 comment_type	varchar(20)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🗢 More
14 comment_parent	bigint(20)		UNSIGNED	No	0		🥜 Change 🥥 Drop <i> </i> Primary 👿 Unique 🗢 More
15 user_id	bigint(20)		UNSIGNED	No	0		🥜 Change 🥥 Drop 🄑 Primary 🔟 Unique 🗢 More

5.1.4 Table structure for links (pjtwp_links)

A link is a selectable connection from one word, picture, or information object to another.

# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1 link id	bigint(20)		UNSIGNED	No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary ᠾ Unique 🐖 Index 🗢 More
2 link_url	varchar(255)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🌽 Primary 🔟 Unique 🗾 Index 🗢 More
3 link_nam	ne varchar(255)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique ह Index 🗢 More
4 link_ima	ge varchar(255)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🗾 Index 🗢 More
5 link_targ	et varchar(25)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🛃 Index 🗢 More
6 link_des	cription varchar(255)	utf8mb4_unicode_ci		No			🥜 Change 🤤 Drop 🤌 Primary ᠾ Unique 🐖 Index 🗢 More
7 link_visi	ble varchar(20)	utf8mb4_unicode_ci		No	Y		🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🛃 Index 🗢 More
8 link_owr	her bigint(20)		UNSIGNED	No	1		🥜 Change 🥥 Drop 🄑 Primary ᠾ Unique 🗾 Index 🗢 More
9 link_ratio	ng int(11)			No	0		🥜 Change 🥥 Drop 🔌 Primary ᠾ Unique 🛃 Index 🗢 More
10 link_upd	ated datetime			No	0000-00-00 00:00:00		🥜 Change 🥥 Drop 🔗 Primary ᠾ Unique 🗾 Index 🗢 More
11 link_rel	varchar(255)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔌 Primary 🔟 Unique 🛃 Index 🗢 More
12 link_note	es mediumtext	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🗾 Index 🗢 More
13 link_rss	varchar(255)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🤌 Primary ᠾ Unique 🐖 Index 🗢 More

5.1.5 Table structure for newsletter (pjtwp_newsletter)

A newsletter is a regularly distributed publication generally about one main topic that is of interest to its subscribers

1	# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
	1 <u>id</u>	int(11)			No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🖉 Primary 🔟 Unique 🐖 Index 🗢 More
	2 email	varchar(100)	utf8_general_ci		No			🥜 Change 🥥 Drop 🔑 Primary 👿 Unique 🐖 Index 🗢 More
	3 name	varchar(100)	utf8_general_ci		No			🥜 Change 🥥 Drop 🔌 Primary 頂 Unique 🐖 Index 🗢 More
	4 surname	varchar(100)	utf8_general_ci		No			🥜 Change 🥥 Drop 🌽 Primary 👿 Unique 🐖 Index 🗢 More
6	5 sex	char(1)	utf8_general_ci		No	n		🥜 Change 🥥 Drop 🤌 Primary 🔟 Unique 🐖 Index 🗢 More
	6 status	char(1)	utf8_general_ci		No	S		🥜 Change 🥥 Drop 🌽 Primary 👿 Unique 🐖 Index 🗢 More
E	7 created	timestamp			No	CURRENT_TIMESTAMP		🥜 Change 🥥 Drop 🌽 Primary 🔟 Unique 🐖 Index 🗢 More
	8 token	varchar(50)	utf8_general_ci		No			🥜 Change 🥥 Drop 🌽 Primary 🔟 Unique 🐖 Index 🗢 More
m	9 feed	tinyint(4)			No	0		🥜 Change 🥥 Drop <i> </i> Primary <u> </u> Unique 🐖 Index 🗢 More
	10 feed_time	bigint(20)			No	0		🥜 Change 🥥 Drop 🌽 Primary ᠾ Unique 🐖 Index 🗢 More
	11 country	varchar(4)	utf8_general_ci		No			🥜 Change 🥥 Drop 🌽 Primary 頂 Unique 🐖 Index 🗢 More
	12 list_1	tinyint(4)			No	0		🥜 Change 🥥 Drop 🌽 Primary 👿 Unique 🐖 Index 🗢 More
6	13 list_2	tinyint(4)			No	0		🥜 Change 🥥 Drop 🤌 Primary 🔟 Unique 🐖 Index 🗢 More
	14 list_3	tinyint(4)			No	0		🥜 Change 🥥 Drop 🌽 Primary 🔟 Unique 🐖 Index マ More
	15 list_4	tinyint(4)			No	0		🥜 Change 🥥 Drop 🌽 Primary 🔟 Unique 🐖 Index 🗢 More
	16 list_5	tinyint(4)			No	0		🥜 Change 🥥 Drop 🔑 Primary 😈 Unique 🐖 Index 🗢 More

5.1.6 Table structure for newsletter emails (pjtwp_newsletter_emails)

The email newsletter is a powerful marketing and communication tool that has various useful functions. It reminds your users about you; it informs users about your products; it tells them what you have been up to; and it helps you build a unique relationship with them.

#	Name	Туре	Collation	Attributes	Null	Default	Extra	Action	
1	id	int(11)			No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop	Primary ▼ More
2	message	longtext	utf8_general_ci		Yes	NULL		🥜 Change 🥥 Drop	Primary ▼More
3	message_text	longtext	utf8_general_ci		Yes	NULL		🥜 Change 🥥 Drop) <i>≫</i> Primary ▼More
4	subject	varchar(255)	utf8_general_ci		No			🥜 Change 🥥 Drop	Primary ▼More
5	type	varchar(50)	utf8_general_ci		No			🥜 Change 🥥 Drop	o <i>i</i> Primary ▼ More
6	created	timestamp			No	CURRENT_TIMESTAMP		🥜 Change 🥥 Drop	Primary ▼More
7	status	enum('new', 'sending', 'sent', 'paused')	utf8_general_ci		No	new		🥜 Change 🥥 Drop	Primary ▼More
8	total	int(11)			No	0		🥜 Change 🥥 Drop	Primary ▼More
9	last_id	int(11)			No	0		🥜 Change 🥥 Drop	o <i>,</i> ⊘ Primary ▼ More
10	sent	int(11)			No	0		🥜 Change 🥥 Drop	Primary

5.1.7 Table structure for newsletter stats (pjtwp_newsletter_stats)

Newsletter stats (statistics) a number of newsletter open rate and CTR *statistics*. *Statistics* and studies that show benefits of email marketing.

# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1 <u>id</u>	int(11)			No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary ᠾ Unique 🀖 Index 🗢 More
2 user_id	int(11)			No	0		🥜 Change 🥥 Drop 🔑 Primary 👿 Unique 🗾 Index 🗢 More
3 email_id	int(11)			No	0		🔗 Change 🥥 Drop 🔑 Primary 🔟 Unique 🐖 Index 🗢 More
4 link_id	int(11)			No	0		🔗 Change 🥥 Drop 🔑 Primary 👿 Unique 🛃 Index 🗢 More
5 created	timestamp			No	CURRENT_TIMESTAMP		🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🐖 Index 🗢 More
6 url	varchar(255)	utf8_general_ci		No			🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🖉 Index 🗢 More
7 anchor	varchar(200)	utf8_general_ci		No			🥜 Change 🕲 Drop 🔑 Primary ᠾ Unique 🐖 Index 🗢 More
8 ip	varchar(20)	utf8_general_ci		No			🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🛃 Index 🗢 More
9 country	varchar(4)	utf8_general_ci		No			🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🐖 Index 🗢 More

5.1.8 Table structure for options(pjtwp_options)

An option is a contract that gives the buyer the right, but not the obligation, to buy or sell an underlying asset at a specific price on or before a certain date.

#	Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1	option id	bigint(20)		UNSIGNED	No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary ᠾ Unique 🐖 Index 🛐 Spatial 🗢 More
2	option_name	varchar(191)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🄑 Primary 😈 Unique 🗾 Index 🕎 Spatial マ More
3	option_value	longtext	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🔌 Primary ᠾ Unique 🐖 Index 🕎 Spatial 🗢 More
4	autoload	varchar(20)	utf8mb4_unicode_ci		No	yes		🖉 Change 🥥 Drop 🔑 Primary ᠾ Unique 🐖 Index 🕎 Spatial 🗢 More

5.1.9 Table structure for postmeta (pjtwp_postmeta)

Post Meta is the information in WordPress that displays on a post and tells the reader archive information about the article or post.

# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1 meta id	bigint(20)		UNSIGNED	No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary 🔃 Unique 🀖 Index 🛐 Spatial 📺 Fulltext 🗢 Mo
2 post_id	bigint(20)		UNSIGNED	No	0		🥜 Change 🥥 Drop 🤌 Primary ᠾ Unique 🀖 Index 🕎 Spatial 📺 Fulltext 🗢 Mo
3 meta_key	varchar(255)	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🖉 Index 🛐 Spatial 📺 Fulltext 🗢 Mo
4 meta_value	longtext	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🥥 Drop 🤌 Primary 🔟 Unique 🖉 Index 🕎 Spatial 📺 Fulltext 🗢 Mo

5.1.10 Table structure for posts (pjtwp_posts)

A post refers to an article published on an Internet newsgroup, forum, or other bulletin board area. It is also the act of publishing such a message.

	Browse 🧏 Structur	e 📑 SQL	Search	é Insert		Export 📑 Impor	rt 🖭 Privileges	🤌 Operations 🏁 Triggers
1	# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
11	1 <u>ID</u>	bigint(20)		UNSIGNED	No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🔻 More
	2 post_author	bigint(20)		UNSIGNED	No	0		🥜 Change 🥥 Drop 🤌 Primary 😈 Unique 🗢 More
1	3 post_date	datetime			No	0000-00-00 00:00:00)	🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🗢 More
	4 post_date_gmt	datetime			No	0000-00-00 00:00:00)	🥜 Change 🥥 Drop 🌽 Primary 🔟 Unique 🗢 More
1	5 post_content	longtext	utf8mb4_unicode_c		No	None		🥜 Change 🤤 Drop 🔑 Primary 🔟 Unique 🗢 More
	6 post_title	text	utf8mb4_unicode_c		No	None		🔗 Change 🥥 Drop 🖉 Primary 😈 Unique 🗢 More
	7 post_excerpt	text	utf8mb4_unicode_c		No	None		🥜 Change 🤤 Drop 🔑 Primary 🔟 Unique 🗢 More
	8 post_status	varchar(20)	utf8mb4_unicode_c		No	publish		🥜 Change 🥥 Drop 🌽 Primary ᠾ Unique 🗢 More
-	9 comment_status	varchar(20)	utf8mb4_unicode_ci		No	open		🥜 Change 🥥 Drop 🔌 Primary 🔟 Unique 🗢 More
•	10 ping_status	varchar(20)	utf8mb4_unicode_c		No	open		🥜 Change 🥥 Drop 🌽 Primary 🔟 Unique 🗢 More
	11 post_password	varchar(20)	utf8mb4_unicode_c		No			🥜 Change 🤤 Drop 🌽 Primary 📆 Unique 🗢 More
	12 post_name	varchar(200)	utf8mb4_unicode_c		No			🥜 Change 🥥 Drop 🌽 Primary 👖 Unique 🗢 More
	13 to_ping	text	utf8mb4_unicode_c		No	None		🥜 Change 🥥 Drop 🔊 Primary 🔟 Unique 🗢 More
	14 pinged	text	utf8mb4_unicode_c		No	None		🥜 Change 🤤 Drop 🖉 Primary 🧕 Unique 🗢 More
1	15 post_modified	datetime			No	0000-00-00 00:00:00)	🥜 Change 🤤 Drop 🌽 Primary 📷 Unique 🗢 More
1	16 post_modified_gmt	datetime			No	0000-00-00 00:00:00)	🖉 Change 🥥 Drop 🔑 Primary 😈 Unique 🗢 More

5.1.11 Table structure for rivslider css (pjtwp_rivslider_css)

In web design terminology, the term Slider is used for a slideshow added into a web page. A cascading style sheet (*CSS*) is a Web page derived from multiple sources with a defined order of precedence where the definitions of any style element.

# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1 <u>id</u>	int(9)			No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🖉 Primary 🗓 Unique 🐖 Index 🕎 Spatial 📺 Fulltext 🔄 Distinct values
2 handle	text	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🖉 Primary 🔟 Unique 🌠 Index 🛐 Spatial 📊 Fulltext 📊 Distinct values
3 settings	text	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🥥 Drop 🔊 Primary 🔟 Unique 🐖 Index 🛐 Spatial 📊 Fulltext 📊 Distinct values
4 hover	text	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🥥 Drop 🖉 Primary 🗓 Unique 🐖 Index 🛐 Spatial 📊 Fulltext 🔲 Distinct values
5 params	text	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🖉 Primary 🔟 Unique 🐖 Index 🛐 Spatial 📊 Fulltext 📰 Distinct values

5.1.12 Table structure for rivslider layer animations (pjtwp_rivslider_layer_animations)

A layer of colorful graphics and spicy design techniques. Each item will *animate* and fade into the slider.

	#	# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
E	1	1 <mark>id</mark>	int(9)			No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🖉 Primary 👿 Unique 🌉 Index 🛐 Spatial 🕞 Fulltext 📰 Distinct values
E] 2	2 handle	text	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🔑 Primary 👿 Unique 🖉 Index 🛐 Spatial 🕞 Fulltext 🔄 Distinct values
E		3 params	text	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🔊 Primary 🔟 Unique 🀖 Index 🛐 Spatial 📊 Fulltext 📰 Distinct values

5.1.13 Table structure for rivslider settings (pjtwp_rivslider_ settings)

A slider or track bar is a graphical control element with which a user may set a value by moving an indicator, usually in a horizontal fashion. In some cases user may also click on a point on the slider to change the setting .

#	Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1	id	int(9)			No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary ᠾ Unique 🌉 Index 🕎 Spatial 🖷 Fulltext 🗐 Distinct values
2	general	text	utf8mb4_unicode_ci		No	None		🥜 Change 🤤 Drop 🔊 Primary ᠾ Unique 🕼 Index 🛐 Spatial 📺 Fulltext 🔄 Distinct values
3	params	text	utf8mb4_unicode_ci		No	None		🖉 Change 🤤 Drop 🔊 Primary 🗊 Unique 🐖 Index 🛐 Spatial 📻 Fulltext 📻 Distinct values

5.1.14 Table structure for rivslider slider (pjtwp_rivslider_slider)

In web design terminology, the term Slider is used for a slideshow added into a web page.

#	Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1	id	int(9)			No	None	AUTO_INCREMENT	🥜 Change 🤤 Drop 🖉 Primary ᠾ Unique 🌠 Index 🕎 Spatial 📺 Fulltext 🗢 More
2	title	tinytext	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🌽 Primary 😈 Unique 🐖 Index 🛐 Spatial 📺 Fulltext 🗢 More
3	alias	tinytext	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🥥 Drop 🔌 Primary 🔃 Unique 🐖 Index 🛐 Spatial 📺 Fulltext 🗢 More
4	params	text	utf8mb4_unicode_ci		No	None		🖉 Change 🥥 Drop 🖉 Primary 🔟 Unique 🖉 Index 🛐 Spatial 🛐 Fulltext 🗢 More

5.1.15 Table structure for rivslider slides(pjtwp_rivslider_slides)

A slides the images horizontally or vertically (usually horizontally) ... of all or featured images is up to the designer of the application in mind.

Browse	Struc	ture 📔 SQL	Search	3	i Insert	Export		Import	e Priv	vileges	J Operations	s 🏼 🎎 Triggers	
# Name	Туре	Collation	Attributes	Null	Default	Extra		Action					
1 <u>id</u>	int(9)			No	None	AUTO_INCREM	ENT	🥜 Change	🔵 Drop	Prim	ary ᠾ Unique 🦉	Index 🛐 Spatial	T Fulltext ▼ More
2 slider_id	int(9)			No	None			🥜 Change	Drop	🤌 Prim	ary 😈 Unique 💈] Index 🛐 Spatial	Ţ Fulltext ▼ More
3 slide_order	int(11)			No	None			🥜 Change	Drop	🤌 Prim	ary 🔟 Unique 🖉	Index 🛐 Spatial	Ţ Fulltext ▼ More
4 params	text	utf8mb4_unicode_c	i	No	None			🖉 Change	Drop	Prim	ary 👿 Unique 🖉	Index 🛐 Spatial	T Fulltext ▼ More
5 layers	text	utf8mb4_unicode_c	i	No	None			🖉 Change	Drop	Prim	ary 😈 Unique 🖉	Index 🛐 Spatial	Ţ Fulltext マ More

5.1.16 Table structure for rivslider static slides(pjtwp_rivslider_static_slides)

a website design has *static* or *sliding* banners is one of those . meaning it will require a user to either wait for the slide

Browse	Kructure	SQL	Sea	rch	∄ ∉ Ins	sert 🔜 Export	📑 Import		Privileges	Je Operations	28 Triggers	
# Name	Type Collatio	on	Attributes	Null	Default	Extra	Action					
1 <u>id</u>	int(9)			No	None	AUTO_INCREMEN	T 🥜 Change	Drop	Primary	😈 Unique 🐖 Ind	ex 🛐 Spatial 📺	Fulltext Distinct values
2 slider_id	int(9)			No	None		🥜 Change	Drop	🔑 Primary	😈 Unique 🗾 Ind	ex 🛐 Spatial 👖	Fulltext Distinct values
3 params	text utf8mb4	_unicode_ci		No	None		🥜 Change	Drop	Primary	😈 Unique 🐖 Ind	ex 🛐 Spatial 📺	Fulltext 🔲 Distinct values
4 layers	text utf8mb4	unicode_ci		No	None		🖉 Change	Drop	Primary	😈 Unique 🐖 Ind	ex 🛐 Spatial 🔫	Fulltext Distinct values

5.1.17 Table structure for termmeta (pjtwp_termmeta)

Term Meta allows developers to store key/value pairs of data along with a category, tag, or any custom taxonomy.

# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1 meta id	bigint(20)		UNSIGNED	No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary 🔟 Unique 🐖 Index 🛐 Spatial 📺 Fulltext 🗢 More
2 term_id	bigint(20)		UNSIGNED	No	0		🥜 Change 🥥 Drop 🄑 Primary 😈 Unique 🐖 Index 😰 Spatial 🝸 Fulltext 🗢 More
3 meta_key	varchar(255)	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🤤 Drop 🔌 Primary 🔟 Unique 🐖 Index 🕎 Spatial 📺 Fulltext 🗢 More
4 meta_value	longtext	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🥥 Drop 🔑 Primary 📵 Unique 🐖 Index 🛐 Spatial 📺 Fulltext 🗢 More

5.1.18 Table structure for terms (pjtwp_terms)

Fixed period for which a loan, insurance policy, or bond is issued, a time or fixed deposit is made, or a contract lasts

	# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
[f]	1 term id	bigint(20)		UNSIGNED	No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary 🔟 Unique 🐖 Index 🕎 Spatial 🗊 Fulltext 🗢 More
	2 name	varchar(200)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🗾 Index 🕎 Spatial Ţ Fulltext 🗢 More
	3 <mark>slug</mark>	varchar(200)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🌠 Index 🛐 Spatial 🖷 Fulltext 🗢 More
	4 term_group	bigint(10)			No	0		🥜 Change 🥥 Drop 🔑 Primary 😈 Unique 🗾 Index 🛐 Spatial 📺 Fulltext 🗢 More

5.1.19 Table structure for term relationships (pjtwp_term_relationships)

Term relationship is a common, contemporary term for intimate interpersonal relationships

#	* Name	Туре	Collation	Attributes	Null	Default Extra	Action
	object id	bigint(20)		UNSIGNED	No	0	🥜 Change 🥥 Drop 🔊 Primary 🔟 Unique 🌌 Index 🕎 Spatial 📺 Fulltext 📄 Distinct values
	<u>term taxonomy id</u>	bigint(20)		UNSIGNED	No	0	🥜 Change 🥥 Drop 🔊 Primary ᠾ Unique 🐖 Index 🛐 Spatial 🗊 Fulltext 📄 Distinct values
	term_order	int(11)			No	0	🥜 Change 🥥 Drop 🔑 Primary ᡙ Unique 🐖 Index 🛐 Spatial 🗃 Fulltext 📄 Distinct values

5.1.20 Table structure for term texonomy (pjtwp_term_texonomy)

Taxonomy, a set of terms that describe various types of military operations and equipment.

# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1 term taxonomy id	bigint(20)		UNSIGNED	No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🖉 Primary 🔃 Unique 🌠 Index 🛐 Spatial 🗢 More
2 term_id	bigint(20)		UNSIGNED	No	0		🔗 Change 🥥 Drop 🌽 Primary 😈 Unique 🗾 Index 🕎 Spatial 🗢 More
3 taxonomy	varchar(32)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🐖 Index 🕎 Spatial 🗢 More
4 description	longtext	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🌌 Index 🕎 Spatial 🗢 More
5 parent	bigint(20)		UNSIGNED	No	0		🥜 Change 🥥 Drop 🔌 Primary 🔃 Unique 🐖 Index 🕎 Spatial 🗢 More
6 count	bigint(20)			No	0		🥜 Change 🥥 Drop 🔑 Primary 😈 Unique 🐖 Index 🝞 Spatial 🗢 More

5.1.21 Table structure for usermeta (pjtwp_usermeta)

If you're a developer and have ever used post, comment, or user meta, you're pretty much already familiar with the foundations of term meta.

# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1 <u>umeta id</u>	bigint(20)		UNSIGNED	No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary 🔟 Unique 🐖 Index 🛐 Spatial 📺 Fulltext 🗢 More
2 user_id	bigint(20)		UNSIGNED	No	0		🥜 Change 🥥 Drop 🤌 Primary ᠾ Unique 🐖 Index 🕎 Spatial 🛐 Fulltext 🗢 More
3 meta_key	varchar(255)	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🥥 Drop 🔌 Primary 📵 Unique 🌉 Index 🕎 Spatial 📺 Fulltext 🗢 More
4 meta_value	longtext	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🥥 Drop 🌽 Primary ᠾ Unique 🐖 Index 🕎 Spatial 👔 Fulltext 🗢 More

5.1.22 Table structure for users (pjtwp_users)

A user is another name of an account capable of logging into a computer or service.

	#	Name	Туре	Collation	Attributes	Null	Default	Extra	Action
0	1	1 <u>ID</u>	bigint(20)		UNSIGNED	No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary 🛐 Unique 🗢 More
	2	2 user_login	varchar(60)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🗢 More
	3	3 user_pass	varchar(255)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🄑 Primary 🔟 Unique 🗢 More
	4	user_nicename	varchar(50)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🤌 Primary 🔟 Unique マ More
	5	user_email	varchar(100)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🗢 More
	6	user_url	varchar(100)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🗢 More
	7	/ user_registered	datetime			No	0000-00-00 00:00:00		🥜 Change 😂 Drop 🔑 Primary 🔟 Unique 🗢 More
	8	user_activation_key	varchar(255)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🗢 More
10	9	user_status	int(11)			No	0		🥜 Change 🥥 Drop 🔑 Primary 頂 Unique 🗢 More
	10	display_name	varchar(250)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🗢 More

5.1.23 Table structure for woocommerce attribute texonomies (pjtwp_woocommerce_attribute_texonomies)

In addition to product categories and tags — which are obvious but pretty pedestrian uses of taxonomies — WooCommerce has a neat feature called "product attributes".

# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1 attribute id	bigint(20)			No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary ᠾ Unique 🀖 Index 🛐 Spatial 🗢 More
2 attribute_name	varchar(200)	utf8mb4_unicode_ci		No	None		🔗 Change 🥥 Drop 🄑 Primary 🔟 Unique 🐖 Index 🛐 Spatial マ More
3 attribute_label	longtext	utf8mb4_unicode_ci		Yes	NULL		🔗 Change 🥥 Drop 🔑 Primary ᠾ Unique 🌌 Index 🕎 Spatial 🗢 More
4 attribute_type	varchar(200)	utf8mb4_unicode_ci		No	None		🖉 Change 🔘 Drop 🌽 Primary ᠾ Unique 🌌 Index 🛐 Spatial 🗢 More
5 attribute_orderby	varchar(200)	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🔌 Primary ᠾ Unique 🌌 Index 🛐 Spatial 🗢 More

5.1.24 Table structure for woocommerce downloadable product permissions(pjtwp_woocommerce_downloadable_product permissions)

Grant access to downloadable products after payment grants access to files when Processing, rather than when the order is Completed.

#	Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1	permission id	bigint(20)			No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary 🔟 Unique 🗢 More
2	download_id	varchar(32)	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🗢 More
3	product_id	bigint(20)			No	None		🥜 Change 🥥 Drop 🤌 Primary 🔟 Unique 🗢 More
4	order_id	bigint(20)			No	0		🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🗢 More
5	order_key	varchar(200)	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🌽 Primary 🔟 Unique 🗢 More
6	user_email	varchar(200)	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🔑 Primary 頂 Unique 🗢 More
7	user_id	bigint(20)			Yes	NULL		🥜 Change 🥥 Drop 🤌 Primary ᠾ Unique 🗢 More
8	downloads_remaining	varchar(9)	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🗢 More
9	access_granted	datetime			No	0000-00-00 00:00:00)	🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🗢 More
10	access_expires	datetime			Yes	NULL		🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🗢 More
11	download_count	bigint(20)			No	0		🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🗢 More

5.1.25 Table structure for woocommerce order itemmeta (pjtwp_woocommerce_order_itemmeta)

The ordered item (meta) so that when the customer goes to their account page to view the order, they see the serial number listed there under the product(s) that was purchased.

	# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
[[]]	1 meta id	bigint(20)			No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary ᠾ Unique 🌌 Index 🕎 Spatial 🗢 More
	2 order_item_id	bigint(20)			No	None		🥜 Change 🥥 Drop 🌽 Primary 🗓 Unique 🐖 Index 🛐 Spatial 🗢 More
	3 meta_key	varchar(255)	utf8mb4_unicode_c	i	Yes	NULL		🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🐖 Index 🛐 Spatial 🗢 More
	4 meta_value	longtext	utf8mb4_unicode_ci	i	Yes	NULL		🖉 Change 🥥 Drop 🌽 Primary ᠾ Unique 🗾 Index 🕎 Spatial 🗢 More

5.1.26 Table structure for woocommerce order items (pjtwp_woocommerce_order_items)

Product shipping classes are a great way to group similar products for shipping. For example, if your store sells a couple of very large, bulky items you may want to put them in their own shipping class with their own unique shipping cost.

# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1 order item id	bigint(20)			No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🖉 Primary ᠾ Unique 🌉 Index 🕎 Spatial 🗢 More
2 order_item_name	longtext	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🗾 Index 🛐 Spatial 🗢 More
3 order_item_type	varchar(200)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🐖 Index 🛐 Spatial 🗢 More
4 order_id	bigint(20)			No	None		🔗 Change 🥥 Drop 🔑 Primary 😈 Unique 🗾 Index 🍞 Spatial マ More

5.1.27 Table structure for woocommerce tax rate (pjtwp_woocommerce_tax_rate)

Tax rates is one of the first tasks you want to perform when setting up a store. Taxes can be a complex matter, but WooCommerce aims to make setup as straightforward as possible.

	#	Name	Туре	Collation	Attributes	Null	Default	Extra	Action
[7]	1	tax rate id	bigint(20)			No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🖉 Primary 🔟 Unique 🀖 Index 🗢 More
	2	tax_rate_country	varchar(200)	utf8mb4_unicode_ci		No			Or Change Orop Primary Unique Index ✓ More Index
	3	tax_rate_state	varchar(200)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🐖 Index 🗢 More
	4	tax_rate	varchar(200)	utf8mb4_unicode_ci		No			🔗 Change 🥥 Drop 🔑 Primary 🔟 Unique 🐖 Index 🗢 More
	5	tax_rate_name	varchar(200)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🐖 Index 🗢 More
	6	tax_rate_priority	bigint(20)			No	None		🖉 Change 🥥 Drop 🌽 Primary 🔟 Unique 🐖 Index 🗢 More
	7	tax_rate_compound	int(1)			No	0		🔗 Change 🥥 Drop 🔑 Primary 🔟 Unique 🐖 Index 🗢 More
	8	tax_rate_shipping	int(1)			No	1		🔗 Change 🥥 Drop 🔑 Primary 📵 Unique 🐖 Index 🗢 More
[]]	9	tax_rate_order	bigint(20)			No	None		🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🐖 Index 🗢 More
	10	tax_rate_class	varchar(200)	utf8mb4_unicode_ci		No			🥜 Change 🥥 Drop 🔑 Primary 👔 Unique 🛐 Index 🗢 More

5.1.28 Table structure for woocommerce tax rate locaions (pjtwp_woocommerce_tax_rate_locaions)

This sales tax calculator returns sales tax rates based on geolocation, which is more accurate than sales tax rates based on ZIP codes, states or counties alone.

# Name	Туре	Collation	Attributes	Null	Default	Extra	Action
1 location id	bigint(20)			No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🐖 Index 🕎 Spatial 🗢 More
2 location_code	varchar(255)	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🐖 Index 🕎 Spatial 🗢 More
3 tax_rate_id	bigint(20)			No	None		🥜 Change 🥥 Drop 🔑 Primary 🔟 Unique 🀖 Index 🕎 Spatial 🗢 More
4 location_type	varchar(40)	utf8mb4_unicode_ci		No	None		🥜 Change 🥥 Drop 🌽 Primary 🕕 Unique 🛐 Index 🕎 Spatial 🗢 More

5.1.29 Table structure for woocommerce termmeta (pjtwp_woocommerce_termmeta)

Sometimes, something simple can cause big problems. The Problem WooCommerce recently made some significant changes to their plugin.

-	#	Name	Туре	Collation	Attributes	Null	Default	Extra	Action
	1	<u>meta id</u>	bigint(20)			No	None	AUTO_INCREMENT	🥜 Change 🥥 Drop 🔊 Primary ᠾ Unique 🌉 Index 🗢 More
	2	woocommerce_term_id	bigint(20)			No	None		🔗 Change 🥥 Drop 🔑 Primary ᠾ Unique 🗾 Index 🗢 More
12	3	meta_key	varchar(255)	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🤤 Drop 🔑 Primary 🔟 Unique 🐖 Index 🗢 More
	4	meta_value	longtext	utf8mb4_unicode_ci		Yes	NULL		🥜 Change 🤤 Drop 🔑 Primary ᠾ Unique 🐖 Index 🗢 More

5.1.30 Table structure for yith wcwl (pjtwp_yith_wcwl)

The Wish List function itself serves as a way for your customers to select and track their desired items for purchase at a later date.

	# Name	Туре	Collation Attributes	Null	Default	Extra	Action
100	1 <u>ID</u>	int(11)		No	None	AUTO_INCREMENT	🥜 Change 🤤 Drop 🔊 Primary 🔟 Unique 🐖 Index 🛐 Spatial 🗢 More
	2 prod_id	int(11)		No	None		🥜 Change 🥥 Drop 🔑 Primary ᠾ Unique 🐖 Index 🛐 Spatial 🗢 More
	3 quantity	int(11)		No	None		🥜 Change 🥥 Drop 🔌 Primary ᠾ Unique 🐖 Index 🕎 Spatial 🗢 More
	4 user_id	int(11)		No	None		🥜 Change 🥥 Drop 🌽 Primary ᠾ Unique 🐖 Index 🕎 Spatial 🗢 More
	5 dateadded	timestamp		No	CURRENT_TIMESTAMP		🥜 Change 😂 Drop 🔌 Primary 闻 Unique 🐖 Index 🕎 Spatial 🗢 More

5.2 Form Design

This section describes form those are used into the system.

5.2.1 Login page

Logins are used to gain access to and control of computers, networks, and bulletin boards, as well as other services and devices.

FoodCorner Fresh Fast Food	Free Ship On All Pro	ping ducts	Money Back Guarantee	Special w Offer	eekly	🕿 : 00 00 Search f	00 000 🛒	0 Items - & 0.00 👻
Categories 😒	Home	About Us	Shop	Services	FAQs	Blog	Contact Us	
Burger	Login							
Cakes & Bakery	Login							
Juice Corner	Username or e	email address *						
Pizza	admin@1							
Shawarma	Password *							
Snacks		•						
Recent Posts	Login 🗌	Remember me						
→ Vegetables pizza	Lost your pass	word?						
→ Vegetable Spring Rolls								
→ Vegetables Paneer Frankie / Kathi rolls								

Figure: 5.1 Login page

5.2.2 Home page

A home page or a start page is the initial or main web page of a website or a browser. The initial page of a website is sometimes called main page as well.

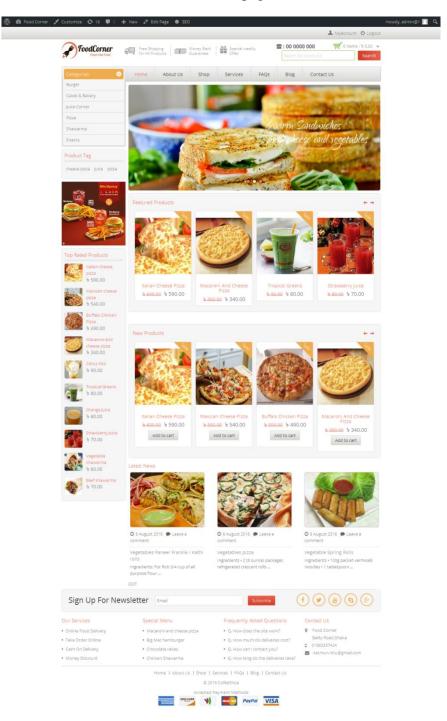
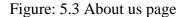


Figure: 5.2 Home page

5.2.3 About us page

About Us pages should provide information about the Restaurant. This is important as it will *define* the parameters of what is allowed.

FoodCorner Fresh Fast Food	Free Ship On All Pro	oping oducts	Money Back Guarantee	Special w Offer	eekly	2:00 0000 000 Items - is 0.00 Search for products Search		
Categories 📀	Home	About Us	Shop	Services	FAQs	Blog	Contact Us	
About Us								
Our Story								
cost. Food corner is a work in p continue to invest all our effort in	rogress, and we h pushing the bour	ope to get better o idaries of technolo	vertime. We gy.We have p	are firm believers ermanent staffs a	in using techr nd part-time s	nology and edu staffs. All of our	right at your door-step and at no additional cation to improve Bangladesh, and we will staffs are well educated. They know their ck and monitoring when we pick someone	
Nazmun Nahar (Founder & CE	EO)							
		350					ent of web-based portfolio management	
Before Food corner Nazmun Nal software. Nazmun Nahar gradua Humaira Akter (Founder & CC	ted from Stamford	350					ent of web-based portfolio management	



5.2.4 Shop page

"Shop" page which will be used to display your recent products but also used in the theme's .

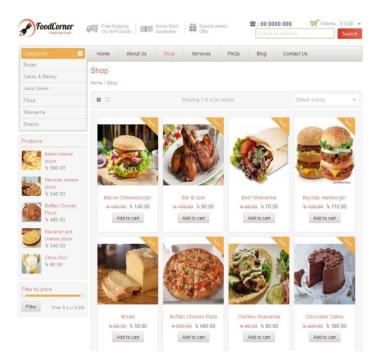


Figure: 5.4 Shop page

5.2.5 Search bar

A search box is usually a single-line text box with the dedicated function of accepting user input to be Web search engine.

Search for products	Search

Figure: 5.5 Search bar

5.2.6 Categories

A class or division of people or things regarded as having particular shared characteristics.

Categories	0
Burger	
Cakes & Bakery	
Juice Corner	
Pizza	
Shawarma	
Snacks	

Figure: 5.6 Categories

5.2.7 PopUp

Containing folded cut-out pictures that rise up to form a three-dimensional scene or figure when the page is turned.

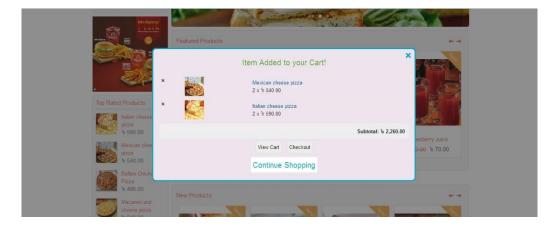


Figure: 5.7 PopUp

5.2.8 Newsletter

A newsletter is a regularly distributed publication that is generally about one main topic of interest to its subscribers. Newspapers and leaflets are types of newsletters.

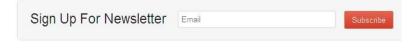


Figure: 5.8 Newsletter

5.2.9 Social Share

Sending photos, videos, product recommendations and Web site links to friends with *social* networking accounts.



Figure: 5.9 Social Share

5.2.10 Footer Link

Site after site that we visit lately has been showing a tendency for using footer links to run their internal SEO link structure and anchor text .

Our Services	Special Menu	Frequently Asked Questions	Contact Us
Online Food Delivery	Macaroni and cheese pizza	• Q. How does the site work?	♀ Food Corner
Take Order Online	Big Mac hamburger	• Q. How much do deliveries cost?	Bailly Road,Dhaka
Cash On Delivery	Chocolate cakes	• Q. How can I contact you?	 01965337424 nazmun.nitu@gmail.com
Money Discount	Chicken Shawarma	• Q. How long do the deliveries take?	Martin and Comparison

Figure: 5.10 Footer Link

5.2.11 Checkout Page

Procedure by which a hotel guest formally vacates his or her room and settles the hotel bill.

Billing Details		Ship to a different address?
country langladesh		Order Notes Notes about your order, e.g. special notes for delivery
Irst Name 📩	Last Marrie 🕈	
Insurnation	ratea	
Company Name		
ddress *		
acte		
own / City *		
elev-		
Hatrict #	Postcode / Zip	
Dhaka *	1217	
mail Address *	Phone *	
nazmun.ntu@email.com	086545	
ur order		
roduct		Total
alian cheese pizza × 1		b 590.00
art Subtotal		b 590.00

Figure: 5.11 Checkout page

CHAPTER 6

MAINTENANCE

6.1 Software Maintenance

Software maintenance in software engineering is the modification of a software product after delivery to correct faults, to improve performance or other attributes.^[1]

A common perception of maintenance is that it merely involves fixing defects. However, one study indicated that over 80% of maintenance effort is used for non-corrective actions.^[2] This perception is perpetuated by users submitting problem reports that in reality are functionality enhancements to the system. More recent studies put the bug-fixing proportion closer to 21%. [16].

6.1.1 Software Maintenance Process

This section describes the six software maintenance processes as:

- 1. The implementation process contains software preparation and transition activities, such as the conception and creation of the maintenance plan; the preparation for handling problems identified during development; and the follow-up on product configuration management.
- 2. The problem and modification analysis process, which is executed once the application has become the responsibility of the maintenance group. The maintenance programmer must analyze each request, confirm it (by reproducing the situation) and check its validity, investigate it and propose a solution, document the request and the solution proposal, and finally, obtain all the required authorizations to apply the modifications.
- 3. The process considering the implementation of the modification itself.
- 4. The process acceptance of the modification, by confirming the modified work with the individual who submitted the request in order to make sure the modification provided a solution.
- 5. The migration process (platform migration, for example) is exceptional, and is not part of daily maintenance tasks. If the software must be ported to another platform without any change in functionality, this process will be used and a maintenance project team is likely to be assigned to this task.
- 6. Finally, the last maintenance process, also an event which does not occur on a daily basis, is the retirement of a piece of software [16].

The maintenance process model described in IEEE, the Standard for Software Maintenance, starts the software maintenance effort during the post-delivery stage and discusses items such as planning for maintenance and measures outside the process model. That process model with the IEEE maintenance faces is depicted in Figure.

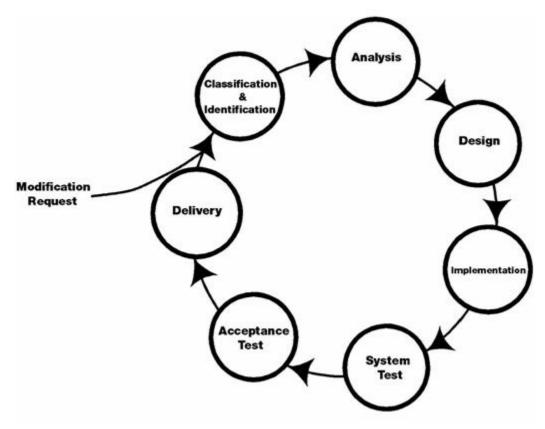


Figure: 6.1 Maintenance process model

6.1.2 Maintenance Activities

In the late 1970s, a famous and widely cited survey study by Lientz and Swanson, exposed the very high fraction of life-cycle costs that were being expended on maintenance. They categorized maintenance activities into four classes:

- Adaptive Maintenance
- Corrective Maintenance
- Perfective Maintenance
- Preventive Maintenance

Corrective maintenance: Reactive modification of a software product performed after delivery to correct discovered problems.

Adaptive maintenance: Modification of a software product performed after delivery to keep a software product usable in a changed or changing environment.

Perfective maintenance: Modification of a software product after delivery to improve performance or maintainability.

Preventive maintenance: Modification of a software product after delivery to detect and correct latent faults in the software product before they become effective faults.

There is also a notion of pre-delivery/pre-release maintenance which is all the good things you do to lower the total cost of ownership of the software. Things like compliance with coding standards that includes software maintainability goals. The management of coupling and cohesion of the software. The attainment of software supportability goals (SAE JA1004, JA1005 and JA1006 for example). Note also that some academic institutions are carrying out research to quantify the cost to ongoing software maintenance due to the lack of resources such as design documents and system/software comprehension training and resources (multiply costs by approx. 1.5-2.0 where there is no design data available) [16].

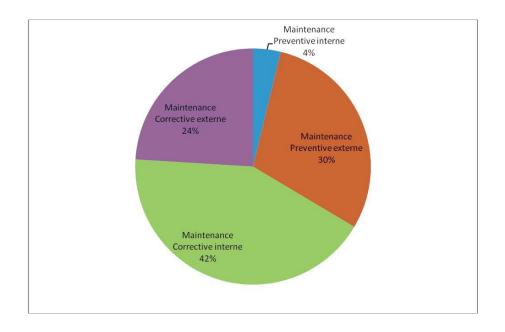


Figure: 6.2 Maintenance Activities

6.1.3 Difficulties of Maintenance

There are four key difficulties that can sluggish down the maintenance process.

- Formless code
- Maintenance programmers having inadequate knowledge of the system
- Documentation being inattentive
- Out of Date or inadequate

The achievement of the maintenance stage trusts on these problems being earlier in the life sequence. In our system we try to follow the maintenance phases to complete those activities. The code is structured and we have adequate knowledge about programming [16].

CHAPTER 7

CONCLUSION

7.1Conclusion

The Online Restaurant Management System (ORMS) is for computerizing the working in a restaurant. It is a great improvement over the manual system. The computerization of the system has speed up the process. In the current system, the front office managinig is very slow. The restaurant managing system was thoroughly checked and tested with dummy data and thus is found to be very reliable. The software takes care of all the requirements of an average restaurant and is capable to provide easy and effective storage of information related to customers that come up to the restaurant. It provides the home delivery facilities to the customer. It also billing facility such as cash on or pay with bkash. The system is also provides location flexibilities in Dhaka city.

7.2 Limitations

For upcoming improvement, there are some proposals to advance our project abilities.

- There is no email verification system.
- There is no online bill payment system.
- There is no security protection such as SSL, Sitelock.
- SMS alert system is not available right now.
- There is no online secured payment getting system.

7.3 Future Plans

- We will add more features to improve our project.
- There will be email verification system.
- We will add SSL security system.
- New product update newsletter will be added.
- SMS alert system is easier for the customer.
- We also work on online payment gateway integration.
- Additionally, it is just a beginning. Supplementary the system may be used in various other types of reviewing process.

Reference

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DESIGN_AND_IMPLEMENTATION_OF_ONLINE_FOOD_ORDERING_SYSTEM.pdf. Accessed: Oct. 24, 2016.

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