Online Restaurant Management System

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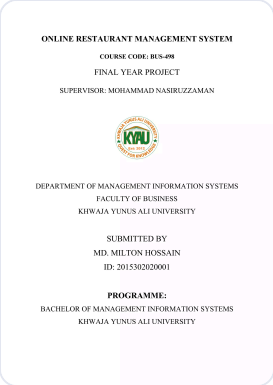

ONLINE RESTAURANT MANAGEMENT SYSTEM

COURSE CODE: BUS-498

FINAL YEAR PROJECT

SUPERVISOR: MOHAMMAD NASIRUZZAMAN

DEPARTMENT OF MANAGEMENT INFORMATION SYSTEMS
FACULTY OF BUSINESS
KHWAJA YUNUS ALI UNIVERSITY

SUBMITTED BY
MD. MILTON HOSSAIN
ID: 2015302020001

PROGRAMME:
BACHELOR OF MANAGEMENT INFORMATION SYSTEMS
KHWAJA YUNUS ALI UNIVERSITY

To 1-Feb-2019

Mohammad Nasirozzaman

Assistant Professor & Head

Management Information Systems

KhwajaYunus Ali University

Enayetpur, Sirajganj.

Subject: Submission of Internship Project Report.

Dear Sir,

It gives me enormous pleasure to submit the Internship Report on **"Online Restaurant Management System"** as per your instruction. I expect this report to be informative as well as comprehensive.

Working in Advance Technology Innovation Limited (ATI) was an inspiring experience for me. I feel the immense knowledge and experience that will facilitate me a lot in my future career life. With my limited knowledge, I have tried my level best to prepare the report worthwhile.

Your acceptance and appreciation would surely inspire me. For any further explanations about the report, I will be gladly available to clarify the ins and outs.

Sincerely Yours,

Md. Milton Hassain

ID: 2015302020001

Batch: 5th

Management Information Systems (MIS)

KhwajaYunus Ali University

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Online Restaurant Management System

1. **ONLINE RESTAURANT MANAGEMENT** SYSTEM COURSE CODE: BUS-498 FINAL YEAR PROJECT SUPERVISOR: MOHAMMAD NASIRUZZAMAN DEPARTMENT OF MANAGEMENT INFORMATION SYSTEMS FACULTY OF BUSINESS KHWAJA YUNUS ALI UNIVERSITY SUBMITTED BY MD. MILTON HOSSAIN ID: 2015302020001 PROGRAMME: BACHELOR OF MANAGEMENT INFORMATION SYSTEMS KHWAJA YUNUS ALI UNIVERSITY

2. **1 To 1-Feb-2019 Mohammad Nasiruzzaman Assistant** Professor & Head Management Information Systems KhwajaYunus Ali University Enyatpur, Sirajgonj. Subject: Submission of Internship Project Report. Dear Sir, It gives me enormous pleasure to submit the Internship Report on “Online Restaurant Management System” as per your instruction. I expect this report to be informative as well as comprehensive. Working in Advance Technology Innovation Limited (ATI) was an inspiring experience for me. I feel the immense knowledge and experience that will facilitate me a lot in my future career life. With my limited knowledge, I have tried my level best to prepare the report worthwhile. Your acceptance and appreciation would surely inspire me. For any further explanations about the report, I will be gladly available to clarify the ins and outs. Sincerely Yours, Md. Milton Hossain ID: 2015302020001 Batch: 5th Management Information Systems (MIS) KhwajaYunus Ali University Online Restaurant Management System

3. **2 DECLARATION I hereby declare** that this project report entitled “Online Restaurant Management System that is submitted and written by me under the supervision of Mohammad Nasiruzzaman, Assistant Professor, Management Information Systems, Khwaja Yunus Ali University. I also declare that neither this final year project nor any part of this project has been submitted elsewhere for award of any degree.

4. **3 DEDICATION To my beloved** Parents and Teachers Student: _____ Date: 1-Feb-2019 (MD. MILTON HOSSAIN) Teacher: _____Date: ……..... (MOHAMMAD NASIRUZZAMAN)

5. **4 APPROVAL ONLINE RESTAURANT MANAGEMENT** SYSTEM By MD. MILTON HOSSAIN APPROVED ---------- Mohammad Nasiruzzaman Project Supervisor ---------- Mohammad Taherul Alam, MSc Examiner-1 ---------- Md. Hasan Tawhid Examiner-2 ---------- Professor M.A Mannan Dean, School of Business Examiner-3

6. **5 ACKNOWLEDGEMENTS In the name** of Allah, the Almighty and Most Merciful..... First and foremost, I would like to take this opportunity to express my appreciation to my supervisor, Mohammad Nasiruzzaman who has helped me a lot in sharing his knowledge and giving me useful guide and advises for the project. During the duration of the project, Mohammad Nasiruzzaman has given his full effort and encouraging me to implement this project. Besides that, I would like to express my gratitude to all colleagues who has shared their knowledge and skills with me which enables me to fulfill this project especially to Atiqur Rahman (Project coordinator) of ATI Ltd. Last but not least, I would like to thank to my family and friends who have given me tremendous support and encouragement during this time.

7. **6 TABLE OF CONTENTS**

11. **10 ABSTRACT Online Restaurant Management** System is a web application to manage activities of restaurant. This is a process of order food from a restaurant by using online system. This System provides service to restaurant and also to the customers. The system provides services for order food and reservation management. This System provides menu and report management to customer and employee. The main objective to build the system is to provide order and reservation service through online. With this system, online order and reservation management will become easier and systematic to replace traditional system. In traditional restaurant manage is not easy. The activities of traditional restaurant take more time for order & reservation. We cannot think modern restaurant without restaurant management system. It makes the business dynamic. Without restaurant management system, we cannot manage the activities of restaurant functionalities effectively and efficiently. There are much functionality exists in online restaurant management system like dynamic reports, dynamic invoice, employee information, client information, manage website contents dynamically, online order information. During the development of Online Restaurant Management System, the Agile Software Development Methodology & Rapid Application Development have been used for System Development. Previous restaurant management system, the employees of restaurant use paper as a result the activities of restaurant take more times to operate. Software Development and Design Tools have been used in restaurant management system those are Sublime Text, Dreamweaver Notepad++, Axure RP, Microsoft Visio 2013, Apache Server and MySQL Database. Furthermore, this Project has been developed for Restaurants Management to enhance business activities.
12. **11 CHAPTER-1 1 INTRODUCTION 1.1 Chapter** Overview This Chapter will give a brief overview on online restaurant management system. 1.2 Project Introduction Online Restaurant Management System is the complete stack of technology for managing the Restaurant Business. This system is developed to automate day to day activities of a Restaurant. Restaurant is a kind of business that serves people all over world with ready-made food. This Restaurant Management System can be used by employees in a Restaurant to handle the customers, their orders and can help them easily to place orders. The Restaurant menu is organized by categories (Rice/Biriani, Mashed, Snacks, Fish, Meat, Dessert, Drink/Beverage) of menu items. Each menu item has a Name, Price and Associated Recipe. A recipe for a menu item has a chef, preparation instruction sands associated ingredients. Customer has to become a member to order a meal in online then he can access the later part of the system. This Project helps customer for making online order and reservation. The option of becoming member is only an attempt to avoid placing the fake bookings. After successful login, the customer can access the menu page with the items listed according to the desired time. The main point of developing this system is to help restaurant administrator for managing the restaurant business and help customer for online order and reserve table. In proposed system user can search for a menu according to his choice i.e. category of food and later he can order a meal. The main objective to develop this project is many restaurants have a lot difficult to manage the business such as customer order and reservation table. If the customer books an order and later wants to cancel the order, he/she is permitted to do this only within a specific time period. By using manual customer order is difficult to restaurants's authority to keep the correct customer information and maybe loss the customer information. The customer is also given with the facility to view the status of the order and if the order is ready then he can go and get it. So, Online Restaurant Management System will help the restaurant administrator to manage restaurant and customer can easily make their online order and reservation table.
13. **12 At management perspect,** initially the staff member has to login, and according to his designation, the privileges are set. If the staff member is a cook, then he is allowed to edit only the order items status, indicating which menu items he has prepared. Finally, it can say that a Restaurant Management System is designed for the Foodservice Industry. Restaurant Management System helps to capture transactions and manage inventory with accuracy and generally that runs every day processes more efficiently. 1.3 Problem Statement with Current System Today Restaurant Management System is a dynamic system. The Previous system was static model. The current system of the restaurant uses computerized desktop system for the daily operation, although, the Desktop system is not up-to-date enough to cover the existing need. The restaurant uses software program such as Desktop system or MS- Excel for recording the employee, financial or other kinds of data. When new employee is hired, his/her personal and official information is kept in MS-Excel. It is not enough for dynamic to operate business effectively and efficiently. There are many limitations have in the system.

Some limitations have been given below: ⊠ The current order system is done manually by the restaurant's employee which could introduce human errors. ⊠ There are difficulties when the owner is trying to retrieve the order and payment details because the information was done by using paper and handled manually by waiter and cashier. ⊠ The service response time is slow since the process of order is done manually by the waiter especially during peak hours. ⊠ There is no billing system to operate financial activities dynamically. ⊠ They cannot take a timely order and provide a timely service. Due to lack of staff and waiter. ⊠ Need more paper to take the order so it is more cost for restaurant. ⊠ Waiters who will take a long time to take the customer order and deliver foods according customer's need.

14. **13 1.4 Justification Project justification** is a process of analyzing a business environment. ⊠ Restaurant Management System includes many features and functions thats make to run a business more efficiently and ultimately for more profitable. ⊠ It helps making a smart buying decision when purchasing hospitality business software and hardware. ⊠ This System handles a high amount of credit card and cash transactions. ⊠ This system helps restaurant owners to filter their sales and customer data for business growth. ⊠ This system helps to control inventory management. 1.5 Restaurant Management Function Every System has functions thats perform to operate specific tasks. Some functions of Restaurant Management System have given below with short description. ⊠ Reducing Order Processing time: Restaurant Management System reduces the order processing time by online order. Customer can place order food by online so order processing time is reduced. ⊠ Incoming Order Management: Manager can manage incoming order by the system. Restaurant Management System has order management system that is managed systematically. Each and every order has unique number. ⊠ Inventory Management: Restaurant Management System has inventory module that holds for business the ultimate goal of resale. Inventory management is a discipline primarily about specifying the shape and placement of stocked goods. ⊠ Analytics: Restaurant Management System has analytics function that analyzes monthly, weekly and yearly sales report. ⊠ Billing: Restaurant Management System has billing function that generates bills of food items. Every bill has description of food menu items and price. ⊠ Order Deliver: Restaurant Management has order deliver system when deliver boy delivers order then manager needs to transfer online order into deliver list. ⊠ Menu Management: Restaurant Management has menu manage system. User can insert, update, delete, and view the food menu items. ⊠ Modify Website Contents: Restaurant Management System has important function for modifying website contents. User can update or modify website slider, news, and picture.

15. **14 1.6 The important** of Restaurant Management System Restaurant Management is a key to any restaurant success. It takes a significant amount of time and invest to get the formula right the current mix of all the ingredients that makes a restaurant do well the operations, the marketing, the user experience online, the guest experience offline and not to mention good food that keeps guests smacking their lips. Restaurant Management System helps to capture transactions and manage inventory with accuracy and generally and run every day processes more efficiently. The Restaurant Management ecosystem is now very advanced mostly automated and will help to focus time and energy on the quality of food and customer service at the restaurant. However, the challenging part is to zero down on a specific system or technology set that will prove to be the right fit for Restaurant. The technologies and restaurant software available in the industry that will provide products for restaurant operations, online order, customer relationship management, table reservation, restaurant analytics, inventory management, loyalty management, website and app builders and so forth. 1.7 Existing Solution There are many Computerized Restaurant Management Systems available but for each system has some disadvantages or missing features. The most common type of restaurant management system contains a static order entry computer system usually in the shape of a desktop computer with a touch screen. Typically, this common approach is adequate for the restaurants requirements but still requires handwritten orders to be relayed to the order entry in the computer system. Many computerized system has no invoice system to generate bill but this system has this feature builtin.

16. **15 1.8 Project Proposal The** aim of this project is to create a Restaurant Management System that can incorporate the benefits of all the existing solutions but without any of the drawbacks as well as including many new features. The table is showing the proposed features of the system. Feature Description Automated stock control. Real-time view of ingredient stock levels so only the meals with enough ingredient stock can be sold. Meal option and preference selection. Flexible

meal options available for the customer. Wireless order system. Waiters no longer required walking to and from the central order computer system. Advanced discount function. Calculating the best price for the customer. Order alerts Kitchen and bar staff in direct communication with waiters allowing the kitchen to notify the waiter that service is required. Flexible GUI design. Software capable of being used on any sized screen and so must have a flexible design. Order logging. All orders logged for future query generation. Large kitchen order display Easy tracking and viewing of all active orders 1.9 Facts and Finding Facts and findings establishes what the existing system does and what the problems are existed and leads to a definition of a set of options from which users may choose their required system. This section will map out different perspective which related to the project that will be developed. It focused on the how far the online order and reservation table is important to customers and administrators. In the other situation, it will describe any element or method which is useful to be used for the purpose of searching and gathered use information in developing this system.

17. **16 1.10 Complete Visualization** of Restaurant Management System.

18. **17 Figure-1: Complete Visualization** of Restaurant Management System

19. **18 1.11 Benefits of** Restaurant Management System What does a Restaurant Management System do? Some benefits have been listed down. These benefits are main reasons for getting a system. ⊠ Track down sales for each item: All transactions are captured by the system, including orders, payments, and expenses, so sales data are accurate and spot on to the last item. Revenues, therefore, are accurately giving the real health of operation. ⊠ Generate financial statements fast and accurately: Where transactions are captured digitally, manual errors are avoided. For example, each transaction is time-stamped and the recorded with other details such as sold items and the employee's name who performed the transaction. Sales data is also synced with inventory and CRM to update their records as well. ⊠ Better Customer Service: This is probably the best reason why use Restaurant Management System to make customers happy. Most Restaurant Management Systems come with a CRM. This module records customer information like name, contact details, and transactions. With more knowledge of customer that can deliver a more satisfying service. ⊠ Access Database in Universally: Most Restaurant Management Software today is cloud- hosted, which let's access the system and data from a web browser. Real-time sales transactions and track employee performance even on the go. Remote data access is also useful when presenting to a client or investor. ⊠ Efficient Staff Management: A Restaurant Management System with an employee scheduler will help allocate more staff during peak hours and less on downtime. By aggregating sales data with staff schedule, you can match demand with supply and ensure resources those are optimized, neither over nor under-utilized. ⊠ Cost Saving There are many areas where you can squeeze out savings. With a better-managed employee schedule and inventory, you cut losses to your daily operations. Likewise, variances are avoided or at least significantly reduced, adding more savings to your budget.

20. **19 1.12 The Pillars** of CRM success This system helps to growth Customer Relationship Management. ⊠ Analysis: Restaurant Management System has analysis system that generated monthly and weekly report. CRM will give access to a lot of data this data will help to make segments and target accordingly. The tool will also generate reports for better sense of data. ⊠ Feedback Management: Restaurant Management System has Feedback system. Customer can give feedback. So it creates successful CRM. ⊠ More Menus: Restaurant Management System has more menu system which customer would see and give order. ⊠ Customer Information: Restaurant Management System has customer information. It includes like Customer Name, Mobile, E-mail, and Address. with this information, Restaurant employee can contact with customer for better relationship management. ⊠ Bill Information: Restaurant Management System has bill information option that contains food items and payment information. With this information, employee can give information to customers when customers want to know the price of foods. ⊠ Ease of use: Restaurant management system is a simple techonology system that is easy to operate. User can use the system easily. So Customer will become interest to use the system and it will make strong relationship with customers. ⊠ Fast Service: It helps to provide first service to customer by taking online order and deliver food. Thus, this software creates strong relationship with customers. ⊠ Universal Access: Anyone can access the software by registering an account. Customer can give order by online in staying anywhere. Finally, the Restaurant Management System will make strong relationship with customer by providing best services and effective management.

21. **20 CHAPTER-2 2 REQUIREMENT ANALYSIS** PHASE 2.1 Chapter Overview: This chapter will discuss project background, problem statement, overcome the problem and details of module. 2.2 Project Background The restaurant management system is a computerized online system for managing the restaurant business. The main theme of developing this system is to help restaurant administrator to manage the restaurant business and help customer for online order and reserve table. The project is developing because many restaurants have a lot difficult to manage the business such as customer order and reservation table. By manual system using paper, customer order is difficult to restaurant authority for keeping the correct customer information and maybe lost the customer information. So, Online Restaurant Management System will develop to help the Restaurant Administrator to manage Restaurant Management and for customer to make their online order and reservation table. Consequently, this project will upgrade the manual system and make the business fast and systematic to manage business activities. 2.3 Problem Statement Nowadays, many restaurants manage their business manually, especially customer order, daily book keeping etc. Restaurant waiter takes the customer order by manual system using paper. The Restaurant waiter may be lost and duplicate the customer information because of using manual system. Restaurant authority uses the tradional paper to keep employee information but this is difficult for restaurant administrator to find personnel information, Sometimes, waiter and customer information are important to restaurant administrator for reference in the future. Sometimes the company security information is difficult to hide for using paper. As a result, the current system (manual system) is not effective and efficient to use anymore because the current system cannot save, manage and monitor the restaurant personnel information and unable to generate report.
22. **21 2.4 Overcome the** above Problem The objectives of the project are: ⊠ To develop Online Order and Reservation System in Restaurant Management. ⊠ To develop User Interface for Online Restaurant Management System. ⊠ To provide Online Menu Information for customer. 2.5 Scope This section consists of three components which is Target User, Target Area and Project Deliverables. 2.5.1 Target User The groups of user will use the system are customer and administrator. Every user will have to register to become a member for use the System. This online order divided into two types of customer; it is customer dine-in and takeaway order. For dine in order option, customer will have a view menu, able to make online order and a reservation for specific table. On the otherhand, takeaway order option, customer can view menu and online order without reservation table. After customer makes online order, customer can take order the date that customer was choose during make online order. Event though, customer must confirm online order with restaurant three days before customer take the order for dine-in customer and for take-away customer will be confirm one hour before it whether by email or phone. Administrator is the person who will manage the entire system. This type of user will also do maintenance and control the application of this system. Administrator takes a responsibility to register new customer, register new waiter, register new menu into database, and etc. 2.5.2 Target Area This system will be placed at restaurant. Project Deliverables Regarding to the module that had been identified, the flow of an activity will be described in term of customer registration module, customer online order and reservation module, waiter module, feedback module, menu module and generate report module.
23. **22 2.5.3 Project Deliverables Regarding** to the module that had been identified, the flow of an activity will be described in term of customer registration module, customer online order and reservation module, waiter module, feedback module, menu module and generate report module. 2.6 Customer Registration Module Customer registration module contains customer's information such as customer personal information and other information related to that customer. Then, all of this information is recorded into database. 2.7 Customer Online Order and Reservation Module Customer online order and reservation module provides a form that needs to be fullfilled in term of order food and reservation table via online. 2.8 Waiter Module Waiter module contains waiter information such as waiter personal information, task schedule and other information related to that waiter. Then, all of this information will be recorded into database. 2.9 Feedback Module Based on food or everything about the restaurant, customer can send any suggestion or comment to the restaurant with feedback form. From this form, side of restaurant will know their weaknesses and strengths. 2.10 Menu Module Menu module is food that restaurant prepared for customer. This module, customer can view the menu and make decision for order. 2.11 Generate Report Module System provides an option for generate a report. The

contents of the report as the following: Generate sales Report The report of customer order and reservation table. Daily sales Report Weekly sales Report Monthly sales Report Order Report

24. **23 2.12 Project Objective The** objective of this project is to build an electronic Restaurant Management System using all of the skills and techniques from the field ensuring that no common development mistakes are reproduced. Project Management is critical to all software engineering projects and keeping to a project plan will be of similar importance. One of the main objectives of any Business is to maximize profit by increasing efficiency and decreasing overheads without compromising customer satisfaction. Currently, many restaurants use a paper-based system to communicate between the restaurant and kitchen which can be shown to be one of the least efficient approaches. Even though this approach is implemented in successful profitable restaurants, there are several problems which could be seen as reducing the restaurant's efficiency: Miscommunication caused by handwriting. Unmanageable order logging. Inefficient restaurant-kitchen communication. Difficult order tracking and time management. Difficult stock management. Limited statistical output. By introducing an electronic Restaurant Management System these problems can be avoided or improved. The following points are advantages of Restaurant Management System that will improve the business activities. Increase profitability by eliminating unnecessary wasteful purchases. Develop online order and reservation system in Restaurant. Develop interface for online restaurant management System. Provide menu information to customers. Get better prices from vendors by order smarter, levering detailed purchase history Increase efficiency through detailed reporting Increase sales and productivity by knowing the status of all restocking and special orders

25. **24 2.13 Proposed Restaurant** Management System Nowadays, many restaurants take customer order by manually. In traditional booking system, a customer has to go to restaurant or make a phone call in order to get his meal reserved. Today, restaurant authority takes the customer order by using paper. Customer does some formal conversation like hello, hi, etc. Then he demands for today's menu and do some discussion over menu items then he orders. It takes 5 to 10 minutes to book the order so there is probability of lost and duplicates customer information. Restaurant management system puts the order in a queue with specific priority according to time and quantity, and then a cook is assigned for the specific order to complete it. Besides, the restaurant waiter keeps information by using paper and this is difficult for Restaurant Administrator to find employees information, consequently it can do missing the paper and difficult to arrange the schedule. Initial problem is that the customer has to get connected over the phone. it would be harder if the restaurant is very popular and busy. Sometimes, waiter information and customer information is important to restaurant administrator for reference in the future. The chances of committing mistakes at the restaurant side in providing a menu list for a specific time would be more. Furthermore, Restaurant authority needs to manage the food menu. As customer won't have the menu list with him, it would be harder for him to remember the entire list (with price as well.) and come to a decision, i.e. customer is provided with less time to make decision. Besides this section is for customer viewer the menu that restaurant prepared and make their order. There might be some communication problems or sometimes language might be a barrier. As a result, the outdated system is not effective and efficient to use anymore. As entire booking has to be done manually at the restaurant end, the chances of mistaken occurrence is high as well. The outdated system cannot save, manage and monitor the restaurant waiter information, menu information, customer order information and generate report well. Even assigning orders (or some menu from the order) to a specific cook can be cumbersome if it is done parallel with the bookings of the order.

26. **25 CHAPTER-3 3 TECHNICAL APPROACH Restaurant** Management System is online web based application that is support all operating system from a single codebase. This software has been developed for restaurant activities. The Restaurant Management System has light button, easy interface, and easy functionalities. 3.1 Project Plan & Duration To make the restaurant management system, Developer has worked some days those days developer has done whose works those are given below: Project Activity Duration Before, during and after project development, Developer has spent time in different activities. Those activities that Developer has spent time are given below: Part 1 – Project Name of Activity Duration Dependency Propose an idea 1 Day 1 Select Subject 2 Days 1 Start Dissertation 2 Days 1 Meeting with my Supervisor 3 Days 1 Define aim and objectives 2 Days 1 Finalize the proposal 1 Day 2 Submit Proposal 1 Day 1 Set Deadlines for each stage with my supervisor to keep up-to date 7 Days 1 Part 2 –Setting Goals Selecting platform choice 1

Day 7 Selecting software choice 2 Days 7 Requirement gathering 2 Days 5 Develop Methodology 3 Days 5 Identify stakeholders 1 Day 3 Identify Requirement / Non-functional requirements 2 Days 2 Par 3 --Project Management / Requirement Analysis / UML Schematic Models Analysis stakeholders 3 Days 3 Setting features / measureable goals and requirements 2 Days 2 Create Work Break down Structure 4 Days 2 Create Gantt chart 2 Days 9 Create Risk Matrix 3 Days 11 Write Method of data collection 3 Days 1 Write Use Case Description 5 Days 2 Use Case Diagram 3 Days 2 Class Diagram 3 Days 2

27. **26 Part 4 –** Design & Implementation Normalization / ERD 1 Day 3 Database Design Concept 2 Days 3 Graphical User Interface 5 Days 3 Order GUI 5 Days 3 Billing System 5 Days 2 Management GUI 7 Days 1 Flow chart 2 Days 2 Management Stock Control 4 Days 5 Code Documentation 21 Days 4 Implementing Visual Basic Programming 15 Days Part 5 – Testing Testing Techniques 10 Days 1 Unit Testing 11 Days 1 User Acceptance Testing 7 Days 1 Usability Testing 7 Days 1 Part 6 – Finishing Phase Unite all into one document 2 Days 3 Write Conclusion 1 Day 3 Write Reference 1 Day 2 Create Presentation slider 2 Days 1 Submit Dissertation 1 Day 1 3.2 Gantt chart Figure-2: Gantt chart CHAPTER-4 4 SYSTEM ANALYSIS PHASE 4.1 Chapter overview: Figure: Project Timeline

28. **27 Chapter 4 This chapter** will discuss Project Methodology, Facts and Finding, Key Feature, parts of the software, Hardware & software requirement 4.2 Literature Review The second phase in delivering a system is Literature Review and Methodology. The purpose of Literature Review is to help for explaining how far the question needs to be investigated to maps out the requirement needed. A Literature Review is a summary of previous research on a topic. Literature Review can be either a part of a larger report of a research project. This chapter explains about facts or statement which known as Literature Review that will be used as guidance in developing the system. Other that, methodology will elaborate Prototyping model approach. To develop this system, methodology should be choosed for one important part of the Literature 4.3 Project Methodology During the development of Restaurant Management System, Agile Methodology and Rapid Application Model has been used to develop project. Develooper has collected requirement from restaurant. The collected requirements are invoice, food menu, management process, chef information, raw material information, booking system, order process system and more things. Axure RP and Star UML have been used to Rapid Application Development. This is prototype model that helps dynamic design. Develooper has designed and collecting feedback from restaurant manager then they provide new requirements further as their requirements Develooper has designed the project. The following agile methodology, Develooper has used in my restaurant management system project.

29. **28 4.4 Rapid Application** Development Figure-3: Rapid Application Development Work Process Planning Collect Requirement Requirement analysis & Specification Design Code Prototype Unit Test Integration Test System & Acceptance Test System Design Mockup Design Database Design

30. **29 ⊠ Planning: In** planning phase, to develop a new system which is a first step is to identify a need for the “Customer Order System” and also plan how to develop the functional requirements of a system. This will include determining whether a business problem or opportunity exits, conducting a feasibility study to determine the developing a project plan. ⊠ Analysis: In this phase, Develooper has analyzed the current system and investigates any problem associated with it. Other sources of information about system and the new requirement would be investigated at this time. The output from this stage would probably be no more than a set of notes. ⊠ Design: After the requirements have been determined, the necessary specifications for the hardware software and data resources and the information products thats will satisfy the functional requirement of the proposed system. The design will serve as a blueprint for the system and help detect problem before these errors. Develooper has created the system design by review the work with the scope to ensure the design meets the objective and requirement of the Customer Order System. ⊠ Feedback: After designing the system, Develooper has presented the system to client for taking feedback. They had given new requirements. Develooper has designed further on the basis of feedback. Second time, Develooper has represented the system design to clients in that time they gave new option and requirements. Finally, Develooper has represented the whole design, prototype, user case diagram and workflow of the restaurant management system. They gave permission to develop the system in that time. ⊠ Implementation: The implementation phase is described as those activities that begin when the system design has been completed. These phases are producing software code according to plan, analysis and system design that have been

done. Coding and debugging is the act of creating the final system. The requirement documentation should be referred to throughout the rest of the system development process to ensure the developing project aligns with the needs and requirements or scope. The system also is tested to evaluate its actual functionality in relation to expected or intended functionality.

31. **30 4.5 The Key** Features of the software Figure-5: Key Feature of the System Scalable Seamless Integration Cloud Based Security Easy Menu Update Easy to Use Payment Integration Centralized Database Theft Control

32. **31 The Key Feature** of Restaurant Management System is given below: ⊠ Easy Menu Update: Restaurant Management System has easy menu update system. User can update food menu easily. ⊠ Cloud Based Security: Cloud-based security services using Software as a Service (SAAS) model. The Restaurant Management System host will be cloud based security. ⊠ Seamless Integration: The Restaurant Management System has Seamless Integration features. Developer can add further integration with Restaurant Management System. ⊠ Scalable: This System handles data process after workload. This system increases its level of performance or efficiency even tested by larger and larger operational demands. ⊠ Easy to use: The Restaurant Management System is easy to use functions. User can create invoice easily and rapidly. ⊠ Payment Integration: Restaurant Management System includes payment integration. Customer's payment information keeps in restaurant management system ⊠ Centralized Database: This system has centralized Database. All Data are kept in one database. ⊠ Theft Control: Unauthorized cannot access in this system. Only valid user can access in this system. ⊠ Security: Against external threats, malware, data security & network security. Restaurant Management System stores sensitive customer data. As you can imagine, it must be able to protect that data and your network from attacks. Good software security architecture separates the wheat from the chaff. ⊠ Mobility: The days of bulky hardware sitting and occupying space at restaurant are over. A mobile restaurant management system allows you to take orders as they move. This will impact order processing time and give a head start over the competition. The above features make the Restaurant Management System more dynamics and user- friendly.

33. **32 4.6 Parts of** the Software Every System has some parts those are important to make proper system. Some effective parts are described below: ⊠ Database: The Manager of Restaurant generally uses paper to keep record that was unsecured to find information immediately. It was not dynamic to generate report. In the current Restaurant Management System, there is high secured database to keep information in dynamically. ⊠ User Interface: It interacts between Machine and Human to perform action by computer. It satisfies the expectation of user. It helps User to operate software easily and efficiently. In the current system, there has highlighted interface. ⊠ Security: Unauthorized cannot access in the current system. It is highly secured with Server Scripting PHP Language and Database Language MySQL. Previous System was not secured. Anyone can see the business secured information because these were kept record in register book. ⊠ Analysis: The current system helps to analysis report of Restaurant like bill, Raw Material, Payment etc. Previous System has not these facilities. As a result, Restaurant Manager could not analysis report accurately. ⊠ Report Generation: Dynamic Report is not generated in old System. In the present system, Dynamic Report is generated in effectively and efficiently. Math calculation is generated in the current System. ⊠ Dynamic Content Management: Website Contents can be updated easily from the Dashboard. This function did not exist in old system.

34. **33 4.7 User of** the System Every System has user. Restaurant Management System has some users these are described below: ⊠ Admin: Restaurant Management System has admin user who controls all the system like privileges other members, inviting and removing member, changing member roles. ⊠ Manager: Manager keeps food menu information in the Restaurant Management System. He generates MIS Report of the organization. ⊠ Customer: Customer is the most important user of the Restaurant Management System. Customer can order in the restaurant management system after creating an account. 4.8 Requirement Analysis The Restaurant Management System is a web based application. The main purpose of "Restaurant Management System" is to provide a convenient and easy way for a customer to book table. To develop this System, Software and Hardware Requirements are necessary. Requirements which are needed are given below briefly. Hardware Requirements: ⊠ Processor – At least 2.0 GHZ ⊠ RAM – At least 2GB Software Requirements: ⊠ Operating System – Windows. ⊠ Runtime Environment – Net Framework 4.5 ⊠ Front End – PHP, HTML, CSS, JavaScript,

Ajax. ⊠ Back End – MySQL ⊠ Editor Tools – Atom, Notepad ++, sublime. ⊠ Design Tools – Axure RP ⊠ Other Graphics Tools – Adobe Photoshop. Adobe Illustrator ⊠ Web Browser – Google Chrome, Firefox, or any compatible update browser.

35. **34 4.9 Project Develop** Languages There are two kinds of languages have used in “Restaurant Management System”. One is Programming Language and other is Database Language. Front End, Developer has used PHP, JavaScript, HTML, CSS & Back End, Developer has used MySQL Database Language in my “Restaurant Management System” ⊠ Programming Language & Markup Language: PHP, JavaScript, Ajax, HTML ⊠ CSS Framework: Bootstrap ⊠ Library: jQuery ⊠ Color Script Language: CSS ⊠ Database Language: MySQL 4.10 Why Developer used to develop the above Languages ⊠ Java Script: This language helps to make dynamic Website. Developer has used JavaScript at Dashboard, Website for “Slideshow, searching, line chart, delete data, view data, and various sections in website”. ⊠ PHP: This language helps to develop logical function in Website. Developer has used PHP in different section for creating function such as “Database Connection”, “Admin/User Login Validation”, “Data Insert, Update, Retrieve and Delete”. ⊠ HTML: This is markup script Language for creating web page. Developer has used it different section in my “Restaurant Management System” Such as for making “Header & Footer” in home page and dashboard. ⊠ CSS: Cascading Style Sheet is a Style sheet language that mostly used to design website. Developer has used this style sheet language in different section at my project. Such as Admin Panel, Home Page, Dashboard, Sidebar Navigation design.

36. **35 CHAPTER-5 5 SYSTEM DESIGN** PHASE 5.1 Chapter overview This chapter will show System Model Design, Flow of system, user case diagram, identify relationship, conceptual database, logical database, physical database. 5.2 System Model Design Figure-6: System Model Design Customers Web Ordering System DATABASE Order Receive Employees Menu Management System Admin

37. **36 5.3 Registration workflow** Process User goes to domain home page. If he/she has an account then he/she can login in restaurant management system otherwise he/she need to register an account after successful registration, they can login in home page. Figure-7: Registration Workflow Process 5.4 Login Workflow Process Figure-8: Login Workflow Process Sign Home Page Login Page Login Registration? Yes Registration Form Login Home Login Page No

38. **37 5.5 Admin Module** Workflow Process Figure-9: Admin Workflow Process System admin is a system controller. He / She gives access to users. Admin can access all functions. Some responsibilities of admin that are given below: ⊠ Generate Report ⊠ Monitor the user activities ⊠ Give Permission to user ⊠ Troubleshoot issues and outages ⊠ Set up accounts and workstations Start Sign up for user personal details Don e?? Log in Username & Password Generate Report Manage System End

39. **38 5.6 Diagrams: 5.6.1 Flowchart: The** following flowchart represents the workflow of Restaurant Management System. Figure-10: Flow Chart Database No Start Client Log In Valid Yes Place order Payment Yes No End Payment receipt

40. **39 5.6.2 User Case** Diagram Figure-11: User Case Diagram Orders Consumes Pays Cheek Customer Manager Chef Deliver Order Bring Check Gets Paid Processes Payroll Makes Food Manages Staff Kitchen Management Stock Delivery Boy Take Order Serves Food Bring Check Waiter

41. **40 5.7 Identification and** Relationship Entity Name Multiplicity Relationship Multiplicity Entity name Employee (1..*) Stores (*..1) Raw_material Employee (1..*) manages (*..1) Food_menu Employee (1..*) reserves (*..1) Reservation_food Employee (1..*) generates (*..1) Billing Employee (1..*) receives (1..1) Payment Employee (1..*) receives (1..1) Order customer (1..*) gives (1..1) Order customer (1..*) gives (1..1) Payment Order (1..1) delivers (1..1) Deliver_order 5.8 Database Design The main entities in the databases of the Restaurant Management System are Employee, Raw_materia, Reservation_food, Billing, Payment, Order, and Deliver_order. Details of each entity are given in the following table. Database design is the organization of data according to a database model. The following Database Design determines what data must be stored and how the data elements interrelate. With this information, Developer would begin to fit the data to the database model. Database design involves classifying data and identifying interrelationships. Developer has done three types database design conceptual, physical and logical those database design on the restaurant management system those has been given below ⊠ Conceptual Database Design: It helps to buid conceptual design of database which includes identification, entities, relationship, and attributes. Developer has developed conceptual designed on Restaurant Management System. ⊠ Logical Database Design: Logical database design is the process of deciding how to arrange the

attributes of the entities in a given business environment into database structures, such as the tables of a relational database. Physical Database Design: Developer has developed physical database design on Restaurant Management System. There are 26 tables which are interconnected via primary key and foreign key.

42. **41 5.8.1 Conceptual Database** Design 5.8.1.1 Class Diagram Figure: Class Diagram

43. **42 Figure-12: Class Diagram 5.8.2** Logical Database tbl_employee (employee_id,employee_name,employee_type,designation,mobile_number,email_address,joi n_date,employee_picture,salary) PRIMARY KEY employee_id tbl_customer(customer_id,customer_name,mobile_number,customer_address) PRIMARY KEY customer_id tbl_online_order (order_id,customer_id,food_item_name, food_item_price, total_person, address, order_date_time) PRIMARY KEY order_id FOREIGN KEY customer_id references tbl_customer (customer_id) tbl_deliver_order(deliver_order_id,order_id,deliver_boy_name,deliver_date_time) PRIMARY KEY deliver_order_id FOREIGN KEY order_id references tbl_order (order_id) tbl_payment (payment_id,customer_id,sub_total,discount,grand_total,payment_type,payment_date) PRIMARY KEY payment_id FOREIGN KEY customer_idreferences tbl_customer (customer_id) tbl_reservation_food(reservation_food_id,employee_id,food_name,food_quantity,reservation _date, PRIMARY KEY reservation_food_id FOREIGN KEY employee_id references tbl_employee(employee_id) tbl_raw_material(raw_material_id,employee_id,food_name,food_cost,purchase_date,buyer_n ame,seller_name) PRIMARY KEY raw_material_id FOREIGN KEY employee_id references tbl_employee (employee_id) tbl_billing (invoice_number,payment_id,bill_generated_by) PRIMARY KEY invoice_number FOREIGN KEY customer_id references tbl_customer (customer_id) FOREIGN KEY payment_id references tbl_payment(payment_id) tbl_food_menu(food_menu_id,employee_id,food_item_name, food_item_price) PRIMARY KEY food_menu_id FOREIGN KEY employee_id references tbl_employee (employee_id)

44. **43 5.8.3 Physical Database** Design Employee Table Reservations Food Table Raw Material Table CREATE TABLE employee(employee_id char(10) not null, employee_name varchar(50) not null, employee_type varchar(20) not null, employee_designation varchar(30) not null, employee_mobile_number char(15) not null, employee_email_address varchar(70) not null, employee_dob date, employee_join_date datetime, employee_salary decimal(5,2), employee_picture varchar(50) not null, PRIMARY KEY(employee_id)); CREATE TABLE reservation_food(reservation_food_id char(10) not null, employee_id char(10) not null, food_name varchar(50) not null, food_quantity int(3) not null, reservation_date datetime, CONSTRAINT reservation_food_PK PRIMARY KEY (reservation_food_id), CONSTRAINT employee_FK FOREIGN KEY (employee_id) REFERENCES employee(employee_id) ON DELETE CASCADE); CREATE TABLE raw_material(raw_material_id char(10) not null, employee_id char(10) not null, food_name varchar(50) not null, food_cost decimal(7,2) not noll, purchase_date varchar(30) not null, buyer_name varchar(50) not null, seller_name varchar(50) not null, CONSTRAINT raw_material_pk PRIMARY KEY (raw_material_id), CONSTRAINT raw_employee_fk PRIMARY KEY (employee_id) REFERENCES employee(employee_id) ON DELETE CASCADE);

45. **44 CREATE TABLE food_menu(food_menu_id** char(10), employee_id char(10), food_item_name char(50), food_item_price decimal(6,2), CONSTRAINT food_menu_pk PRIMARY KEY(food_menu_id), CONSTRAINT employee_food_fk FOREIGN KEY(employee_id) REFERENCES employee(employee_id) ON DELETE CASCADE); Food Menu Table Customer Table Online Order Table CREATE TABLE customer(customer_id char(10) not null, customer_name varchar(50) not null, mobile_number char(15) not null, customer_address varchar(50) not null, CONSTRAINT customer_pk PRIMARY KEY (customer_id)); CREATE TABLE onlineorder(online_order_id char(10) not null, customer_id char(10) not null, food_item_name varchar(50) not null, food_item_price decimal (6,2) not null, total_person int (3) not null, order_date_time varchar(30) not null, CONSTRAINT online_order_pk PRIMARY KEY (online_order_id), CONSTRAINT online_order_customer_fk FOREIGN KEY(customer_id) REFERENCES customer(customer_id) ON DELETE CASCADE);

46. **45 Payment Table Billing Table Client Table** CREATE TABLE payment(payment_id char(10) not null, customer_id char(10) not null, sub_total decimal(7,2) not null, discount int(3) not null, grand_total decimal(7,2) not null,

payment_type varchar(10) not null, payment_date varchar(30) not null, CONSTRAINT payment_pk PRIMARY KEY (payment_id), CONSTRAINT payment_customer_fk FOREIGN KEY (customer_id) REFERENCES customer(customer_id) ON DELETE CASCADE); CREATE TABLE billing(invoice_number char(10) not null, payment_id char(10) not null, bill_generated_by varchar(50), CONSTRAINT bill_pk PRIMARY KEY(invoice_number), CONSTRAINT payment_bill_fk FOREIGN KEY(payment_id) REFERENCES payment(payment_id)); CREATE TABLE client(clientId char(10) not null, name char(10) not null, gender varchar(50), eamil varchar(50), address varchar(100), password varchar(10), payment_id int(10) CONSTRAINT client_pk PRIMARY KEY(clientId), CONSTRAINT client_fk FOREIGN KEY(payment_id) REFERENCES payment(payment_id));

47. **46 CHAPTER-6 6 IMPLEMENTATION 6.1 Chapter** overview This Chapter will demonstrate what quality hardware and how quantity bandwidth needs to host software. 6.2 Hardware/Software Requirement This section lists the minimum hardware and software requirements needed to run the system efficiently. 6.2.1 Server Side Requirement Hardware Requirements Processor: Quad-core or Hexa-core Intel i7/Intel i9/Thread ripper/Xeon/. Motherboard: GPU that is compatible with OpenGL 3.2. (Integrated graphics cards Intel HD 4000 or above). RAM:16GB RAM. SSD: 500 MB Software Requirement Operating System: Windows Server 2016, Ubuntu Server Network Requirement Bandwidth: 10 MBPs (The number of 100 users) 6.2.2 Client Side Requirement Hardware Requirements Processor: Minimum Dual Core Processor. RAM:Minimum2GB. Hard Drive: Minimum 80 GB. Software Requirements Operating System: Windows XP or Above, Android, MAC, IOS, Linux Browser: Any HTML-5 Support Browser [Google Chrome, Mozilla Fire Fox, Safari, UC Browser]

48. **47 CHAPTER-7 7 DEVELOPMENT &** MAINTENANCE PHASE 7.1 Chapter Overview This Chapter will describe future development and conclusion of the Restaurant Management System. 7.2 Facing Problem during Development the Project Developer has faced some problems during development “Restaurant Management System” Web based Application. Some Problems are given below briefly. I. Requirement Gathering Phase: It is very important step. If the requirements are not good, the project will fail. At that time, Developer became disappointed when Developer was collecting information and data then what information and data will be helpful or appropriate for this project. II. During Design Phase: In this time. Developer was confused for drawing Flowchart because which flowchart will become better for this project. III. Development Phase: It is a critical part of the project. At this time, Developer has mistaken semicolon (;) at the end of statement. IV. Testing Phase: It is necessary part of the project. This part will help to test the whole project. In this time, Developer has faced some bugs of the project. 7.3 Future Development Future Development is very important for each project because it includes latest features in the System. It reduces software bugs and problems. It creates strong relationship with customer according their feedback or choices. Developer will integrate some dynamic features in my Restaurant Management System which features may integrate these are explaining briefly. Reporting module with real time mechanism. Latest design structure with seamless flow. E-mail & Mobile confirmation System. Online payment system. Point of Sale

49. **48 7.4 Conclusion Restaurant Management** System is a web based system that helps the restaurant business to perform activities with efficient and effective. It helps manager to manage cash flow. Manager can see analytics information to analyze business growth. By using this system manager can manage order, employee schedule. Restaurant Management Systems are the complete suite. It gives facilities the Online Order platform or the 3rd party integrations software and complete CRM solution, all of this encompasses a significant chunk of your restaurant needs. They are not the silted Restaurants Software and hardware packs sold in the past. They are smooth, easy to manage, affordable fast and the hottest things out there. In Project entitled “Restaurant Management System” Developer has tried my best to fulfill all the requirements of Restaurant. The Project being simple and flexible is running successfully. The main advantage of my project is that its simplicity attracts a lot of users. It can be easily run by a novice user. My software can be used in any kind of restaurant (Bar, Sandwich Shop, Pizzeria, Steak House, Café Shop, Deli, Buffet, and Catering business, Doughnut or Pastry Shop, Hotel restaurant/kitchen and more). The Restaurant Management System helps the Restaurant Manager to manage the Restaurant more effectively and efficiently by computerizing meal order, billing and inventory control. The system processes transaction and stores the resulting data. Reports will be generated from these data which

help the manager to make appropriate business decisions for the restaurant. For example, knowing the number of customers for a particular time interval, the manager can decide whether more waiters and chefs are required. This project when implemented it will remove all the security issues. Also, there will be speedy and secured authentication procedure for the maintenance of records. Data entry is fast and simple because it automatically picks up information about a customer from the database on subsequent visits. Therefore, our software will definitely prove to be a successful stepping stone in replacing the outdated manual method of maintaining secure records. The work plan also includes the detailed features of the technology used in the project defining the front end and back end. The objectives and scope of the project in future have been elaborated.

50. **49 REFERENCES Jenkins, S. (2013).** Web Design All-in-One For Dummies . Chicago: Pearson. Murach, J., & Boehm, R. H. (2017). Murch's PHP and MySQL (3rd Edition). California: Pearson. Nixon, R. (2016). MySQL The Missing manual . NewYork: ThomsonReuters. Quigley, E. (2009). PHP and MySQL. Boston: PRENTICE HALL. Ullman, L. (2017). PHP and MySQL for Dynamic Web sites(5th Edition). Bosom: Pearson. Gleditsch, N. P., Pinker, S., Thayer, B. A., Levy, J. S., & Thompson, W. R. (2013). The forum: Data Analysis. International Data Analysis Review, 15(3), 396-419.

51. **50 Appendix-I SYSTEM DEVELOPMENT PHASE Chapter** overview This chapter will show the source codes of system that identifies an application. In development stage, Developer has used methodology to make error free codes. System's Source code Every Web application based System has source codes. There are some source codes of "Restaurant Management System" is given below with explanation. Website Source Codes index.php <?php include("configDatabase.php"); include("dbConnection.php"); ?> <!DOCTYPE html> <html lang="en"> <head> <meta charset="utf-8"> <meta http-equiv="X-UA-Compatible" content="IE=edge"> <meta name="viewport" content="width=device-width, initial-scale=1"> <title>Khan Restaurant || Home</title> <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery .min.js"></script> <!-- Favicon --> <link rel="shortcut icon" href="assets/img/restaurantLogo.gif" type="image/x-icon"> <!-- Font awesome --> <link href="assets/css/font-awesome.css" rel="stylesheet"> <!-- Bootstrap --> <link href="assets/css/bootstrap.css" rel="stylesheet"> <!-- Slick slider --> <link rel="stylesheet" type="text/css" href="assets/css/slick.css"> <!-- Date Picker -->

52. **51 <link rel="stylesheet" type="text/css" href="assets/css/bootstrap-datepicker.css"> <!--** Fancybox slider --> <link rel="stylesheet" href="assets/css/jquery.fancybox.css" type="text/css" media="screen" /> <!-- Theme color --> <link id="switcher" href="assets/css/theme-color/default- theme.css" rel="stylesheet"> <!-- Main style sheet --> <link href="style.css" rel="stylesheet"> <!-- Google Fonts --> <link href='https://fonts.googleapis.com/css?family=Tangerine' rel='stylesheet' type='text/css'> <link href='https://fonts.googleapis.com/css?family=Open+Sans' rel='stylesheet' type='text/css'> <link href='https://fonts.googleapis.com/css?family=Prata' rel='stylesheet' type='text/css'> </head> <body> <!-- Pre Loader -->   <img src="assets/img/preloader.gif" alt=" loader img">   <!--START SCROLL TOP BUTTON --> Top <!-- END SCROLL TOP BUTTON --> <!-- Start header section --> <header id="mu-header"> <nav class="navbar navbar-default mu-main-navbar" role="navigation">   <!-- FOR MOBILE VIEW COLLAPSED BUTTON --> <button type="button" class="navbar-toggle collapsed" data-toggle="collapse" data-target="#navbar" aria- expanded="false" aria-controls="navbar">

53. **52 Toggle navigation <span** class="icon-bar">   </button> <!-- LOGO --> <img src="assets/img/logo.png" alt="Logo img">   <ul id="top-menu" class="nav navbar-nav navbar-right mu-main-nav"> HOME MENU RESERVATION GALLERY OUR TEAM BLOG CONTACT ABOUT US <li class="dropdown"> <img src = "assets/img/icon/userIcon.png" alt = "userIcon" data- toggle="tooltip" title = "Login" style = "width: 18px; margin-bottom:10px;">

 <ul class="dropdown-menu" role="menu"> Login Create Account   <!--/.nav-collapse --> </nav> </header> <!-- End header section --> <!-- Start Modal Login HTML -->   <h4 class="modal-title">Sign In</h4>

54. **53 <button type="button" class="close"** data- dismiss="modal" aria-hidden="true">×</button>   <form action="/examples/actions/confirmation.php" method="post">   <input type="text" class="form-control" name="username" placeholder="Username" required="required">   <input type="text" class="form-control" name="password" placeholder="Password" required="required">   <button type="submit" class="btn btn-primary btn-block btn-lg clientBtn">Sign In</button> Forgot Password? </form> Don't have an account? Create one   <!-- End Modal Login HTML --> <!-- Start Registration Modal HTML -->   <button type="button" class="close" data-dismiss="modal">×</button> <h4 class="modal-title">Client Registration</h4> <span style= "color: green;"id="message">

55. **54 <form method="post"** id="insertClientForm" action="">   <input type="text" name="name" id="name" placeholder="Client Name" class="form-control" />   <select name="gender" id="gender" class="form-control" required> <option value="Male">Choose Gender</option> <option value="Male">Male</option> <option value="Female">Female</option> </select>   <input type="text" name="mobile" id="mobile" placeholder="Mobile" class="form-control" />   <input type="email" name="clientEmail" id="clientEmail" placeholder="Email" class="form-control" />   <textarea name="clientAddress" id="clientAddress" placeholder="Address" class="form- control"> </textarea>

56. **55 <input type="text" name="password" id="password" placeholder="Password" class="form-control" />   <input type="text" name="confirmPassword" id="confirmPassword" placeholder="Confirm Password" class="form-control" /> <input type="hidden" name="client_id" id="client_id"/> <input type="submit" name="insert" id="insert" value="Save" class="btn btn-success clientBtn" class="form-control"/> </form>   <button type="button" class="btn btn- default" data-dismiss="modal">Close</button>   <!-- End Registration Modal HTML --> <!-- Start Registration Modal AJAX for Inserting Data --> <script> $(document).ready(function() { <!-- #insertClientForm grabs the form id--> $("#insertClientForm").submit(function(e) { e.preventDefault(); $.ajax({ <!-- insert.php calls the PHP file--> url: "insert.php", method: "post", data: $("form").serialize(), dataType: "text", success: function(strMessage) { $("#message").text(strMessage); $("#insertClientForm")[0].reset(); } }); }); }); </script> <!-- End Registration Modal HTML -->

57. **56 <?php $db = new** Database(); $query = "SELECT * FROM slider WHERE sliderId='1'"; $result = mysqli_query($db->link,$query); ?> <!-- Start slider --> <section id="mu-slider"> <!-- Top slider --> <!-- Top slider single slide --> <?php foreach($result as $key =>

$row){?> <?php echo "<img src = ".$row['sliderPicture']." height='487px'>"; ?> <?php }?> <!-- Top slider content --> Welcome <h2 class="mu-slider-title">To The Khan Restaurant</h2> Healthy Food Healthy Life <!-- / Top slider content --> <!-- / Top slider single slide --> <?php $query = "SELECT * FROM slider WHERE sliderId='2'"; $result = mysqli_query($db->link,$query); ?> <!-- Top slider single slide --> <?php foreach($result as $key=> $row){?> <?php echo "<img src = ".$row['sliderPicture']." height='487px'>"; ?> <?php } ?> <!-- Top slider content --> The Real <h2 class="mu-slider-title">GREEN FOODS</h2> Healthy Food Healthy Life <!-- / Top slider content --> <!-- / Top slider single slide --> <?php

58. **57 $query = "SELECT** * FROM slider WHERE sliderId='3'"; $result = mysqli_query($db->link,$query); ?> <!-- Top slider single slide --> <?php foreach($result as $key=> $row){?> <?php echo "<img src = ".$row['sliderPicture']." height='487px'>"; ?> <?php } ?> <!-- Top slider content --> Delicious <h2 class="mu-slider-title">SPICY MASALAS</h2> Healthy Food Healthy Life <?php $query = "SELECT * FROM slider WHERE sliderId='4'"; $result = mysqli_query($db->link,$query); ?> <!-- / Top slider content -->   <?php foreach($result as $key=> $row){?> <?php echo "<img src = ".$row['sliderPicture']." height='487px'>"; ?> <?php } ?> <!-- Top slider content --> Restaurant <h2 class="mu-slider-title">Comfortable Place</h2> Healthy Food Healthy Life <!-- / Top slider content --> <!-- / Top slider single slide -->   </section> <!-- End slider --> <!-- Start Counter Section --> <section id="mu-counter">

59. **58   <div** class="col-md-12"> <ul class="mu-counter-nav"> <li class="col-md-3 col-sm-3 col-xs-12"> Fresh <h3>55⁺</h3> Breakfast Items <li class="col-md-3 col-sm-3 col-xs-12"> Delicious <h3>130 ⁺</h3> Lunch Items <li class="col-md-3 col-sm-3 col-xs-12"> Hot <h3>35⁺</h3> Coffee Items <li class="col-md-3 col-sm-3 col-xs-12"> Satisfied <h3>3562⁺</h3> Customers   </section> <!-- End Counter Section --> <!-- Start Restaurant Menu --> <section id="mu-restaurant-menu">

60. **59   <div** class="mu-restaurant-menu-area"> Discover <h2>OUR MENU</h2>   <ul class="nav nav-tabs mu-restaurant-menu"> <li class="active">Breakfast Meals Curry Items Snacks Desserts Drinks <!-- Tab panes -->   <!--Start BD Desserts PHP Code--> <?php $db = new Database(); // call database class from 'dbConnection.php' file with new key word declare $query = "SELECT * FROM bdsnacks ORDER BY BDSnacksId ASC"; $read = $db- >select($query); // query function store in '$read' variable ?> <!--End BD Desserts PHP Code-- > <h3 class="media-heading menuHeader" >Bangladeshi </h3>

61. **60 <ul class="mu-menu-item- nav"> <?php while(** $row = $read->fetch_assoc()) { ?>   <img class="media-object" src="assets/img/menu/item-8.jpg" alt="img">   <h4 class="media-heading"><?php echo $row['foodItemName']; ?></h4> <?php echo $row['foodItemPrice']; ?> TK <span style="float:right";>☐   <?php } ?>   <!--Start BD Desserts PHP Code--> <?php $db = new Database(); // call

database class from 'dbConnection.php' file with new key word declare $query = "SELECT * FROM chsnoodles ORDER BY chsNoodlesId ASC"; $read = $db- >select($query); // query function store in '$read' variable

62. **61 ?> <!--End BD Desserts** PHP Code-- > <h3 class="media-heading menuHeader" >Chinese </h3> <ul class="mu-menu-item- nav"> <?php while($row = $read- >fetch_assoc()) { ?>   <img class="media-object" src="assets/img/menu/item-8.jpg" alt="img">   <h4 class="media-heading"><?php echo $row['foodItemName']; ?> </h4> <?php echo $row['foodItemPrice']; ?> TK <span style="float:right";>☐   <?php } ?>   <!--Start BD Desserts PHP Code--> <?php

63. **62 $db = new** Database(); // call database class from 'dbConnection.php' file with new key word declare $query = "SELECT * FROM jpnoodles ORDER BY jpNoodlesId ASC"; $read = $db- >select($query); // query function store in '$read' variable ?> <!--End BD Desserts PHP Code-- > <h3 class="media-heading menuHeader" >Japanese </h3> <ul class="mu-menu-item- nav"> <?php while($row = $read- >fetch_assoc()) { ?>   <img class="media-object" src="assets/img/menu/item-8.jpg" alt="img">   <h4 class="media-heading"><?php echo $row['foodItemName']; ?></h4> <?php echo $row['foodItemPrice']; ?> TK <span style="float:right";>☐   <?php } ?>

64. **63   <!--Start BD Desserts PHP Code--> <?php $db = new Database(); // call database class from 'dbConnection.php' file with new key word declare $query = "SELECT * FROM bdrice_biriani ORDER BY bdRiceBirianiId ASC"; $read = $db- >select($query); // query function store in '$read' variable ?> <!--End BD Desserts PHP Code-- > <h3 class="media-heading menuHeader" >Bangladeshi </h3> <h4 class="media-heading subMenuHeader" >Rice/Biriani </h4> <ul class="mu-menu-item- nav"> <?php while($row = $read- >fetch_assoc()) { ?>   <img class="media-object" src="assets/img/menu/item-8.jpg" alt="img">

65. **64 <h4 class="media-heading"><?php echo $row['foodItemName'];** ?></h4> <?php echo $row['foodItemPrice']; ?> TK <span style="float:right";>☐   <?php } ?>   <!--Start BD Desserts PHP Code--> <?php $db = new Database(); // call database class from 'dbConnection.php' file with new key word declare $query = "SELECT * FROM chsrice ORDER BY chsRiceId ASC"; $read = $db- >select($query); // query function store in '$read' variable ?> <!--End BD Desserts PHP Code-- > <h3 class="media-heading menuHeader" >Chinese </h3> <h4 class="media-heading subMenuHeader" >Rice </h4> <ul class="mu-menu-item- nav"> <?php while($row = $read- >fetch_assoc()) { ?>

66. **65 <img class="media-object" src="assets/img/menu/chineseRice.jpg" alt="img">   <h4 class="media-heading"><?php** echo $row['foodItemName']; ?></h4> <?php echo $row['foodItemPrice']; ?> TK <span style="float:right";>☐   <?php } ?>   <!--Start BD Desserts PHP Code--> <?php $db = new Database(); // call database class from 'dbConnection.php' file with new key word declare $query = "SELECT * FROM jprice ORDER BY jpRiceId ASC"; $read = $db- >select($query); // query function store in '$read' variable ?> <!--End BD Desserts PHP Code-- > <h3 class="media-heading menuHeader" >Japanese </h3> <h4 class="media-heading subMenuHeader" >Rice </h4> <ul class="mu-menu-item- nav"> <?php

67. **66 while($row =** $read- >fetch_assoc()) { ?>   <img class="media-object" src="assets/img/menu/item-8.jpg" alt="img">   <h4 class="media-heading"><?php echo $row['foodItemName']; ?></h4> <?php echo $row['foodItemPrice']; ?> TK <span style="float:right";>☐

 <?php } ?>   <!--Start BD Desserts PHP Code--> <?php $db = new Database(); // call database class from 'dbConnection.php' file with new key word declare $query = "SELECT * FROM bdfish ORDER BY bdFishId ASC";

68. **67 $read = $db- >select($query);** // query function store in '$read' variable ?> <!--End BD Desserts PHP Code-- > <h3 class="media-heading menuHeader" >Bangladeshi </h3> <h4 class="media-heading subMenuHeader">Fish</h4> <ul class="mu-menu-item- nav"> <?php while($row = $read- >fetch_assoc()) { ?>   <img class="media-object" src="assets/img/menu/bdfish.jpg" alt="img">   <h4 class="media-heading"><?php echo $row['foodItemName']; ?></h4> <?php echo $row['foodItemPrice']; ?> TK <span style="float:right";>☐   <?php } ?> <!--Start Sub Item-- >

69. **68 <!--Start BD Desserts** PHP Code--> <?php $db = new Database(); // call database class from 'dbConnection.php' file with new key word declare $query = "SELECT * FROM bdmeat ORDER BY bdMeatId ASC"; $read = $db- >select($query); // query function store in '$read' variable ?> <!--End BD Desserts PHP Code-- > <h4 class="media-heading subMenuHeader">Meat</h4> <ul class="mu-menu-item-nav"> <?php while($row = $read- >fetch_assoc()) { ?>   <img class="media-object" src="assets/img/menu/bdfish.jpg" alt="img">   <h4 class="media-heading"><?php echo $row['foodItemName']; ?></h4> <?php echo $row['foodItemPrice']; ?> TK <span style="float:right";>☐   <?php } ?>

70. **69 <!--End Sub Item--> <!--Start** Sub Item--> <!--Start BD Desserts PHP Code--> <?php $db = new Database(); // call database class from 'dbConnection.php' file with new key word declare $query = "SELECT * FROM bdvegetable ORDER BY bdVegetableId ASC"; $read = $db- >select($query); // query function store in '$read' variable ?> <!--End BD Desserts PHP Code-- > <h4 class="media-heading subMenuHeader">Vegetable</h4> <ul class="mu-menu-item-nav"> <?php while($row = $read- >fetch_assoc()) { ?>   <img class="media-object" src="assets/img/menu/bdfish.jpg" alt="img">   <h4 class="media-heading"><?php echo $row['foodItemName']; ?></h4> <?php echo $row['foodItemPrice']; ?> TK <span style="float:right";>☐   <?php } ?>