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Chapter 1: Introduction

1.1.Brief:

Our online food ordering system is a comprehensive platform designed to streamline food ordering and delivery processes for restaurants and customers alike. The system boasts a powerful admin panel with features such as unlimited menu categories, items, add-ons, and options, enabling restaurants to manage their online presence with ease. User management, customer management, and order management are integrated, with real-time updates on order status, ensuring seamless operations.

Language management, loyalty points, and referral settings enhance the user experience, while location management and customizable settings ensure efficient logistics. Reports, FAQs, and custom pages provide valuable insights and support, with a 100% responsive frontend design guaranteeing a smooth user experience across devices. Easy installation, referral systems, and dashboard statistics simplify management, while pusher notifications, SMS alerts, and email alerts keep users informed.

Social logins, single-page checkout, and multilingual FAQs enhance usability, with well-documented code and SEO optimization ensuring maintainability and visibility. Admin users management, kitchen manager, and delivery manager reports provide detailed insights, with sales summary reports and order tracking in jQuery calendar ensuring efficient operations. Payment options include online/card or cash on delivery, with delivery manager features and kitchen manager features streamlining logistics.

Users can register via social/web referral, view menus and items, book orders using loyalty points, and manage their profiles, addresses, orders, and points. Our system aims to revolutionize food ordering and delivery, providing a seamless experience for all stakeholders. By offering a robust and user-friendly platform, we enable restaurants to increase sales, customer satisfaction, and loyalty, while customers enjoy a hassle-free ordering experience. With its scalable architecture and comprehensive features, our online food ordering system is poised to transform the food industry.

1.2. Project Background:

person to deliver a solution to them..On the other hand, there are legit restaurants and cafes where the quality of the dishes are extraordinary but they do not meet for business because of the lack of advertising and lesser talk about their restaurant

1.3. Methodology and Software Lifecycle for This Project

Methodology:

- 1. Requirements Gathering:** Identify functional and non-functional requirements through stakeholder interviews and market research.
- 2. System Design:** Create a detailed system design, including database schema, user interface, and system architecture.
- 3. Development:** Implement the system using PHP, JavaScript, HTML, and CSS, with a Laravel framework.
- 4. Testing:** Conduct unit testing, integration testing, and system testing to ensure functionality and performance.
- 5. Deployment:** Deploy the system on a cloud platform, with easy installation and configuration.
- 6. Maintenance:** Provide ongoing maintenance, including bug fixes, updates, and new feature development.

Software Lifecycle:

- 1. Planning:** Define project scope, goals, and timelines.
- 2. Analysis:** Gather requirements and create a detailed system design.
- 3. Design:** Create a visual representation of the system, including user interface and system architecture.

7. Maintenance: Provide ongoing maintenance, including bug fixes, updates, and new feature development.

1.4. Project objectives

- Provide a seamless online ordering experience for customers.
- Streamline restaurant operations, including order management, customer management, and delivery management.
- Offer a robust admin panel with features like menu management, user management, and reports.
- Implement a referral system, loyalty points, and pusher notifications.
- Ensure 100% responsive design and multilingual support.
- Provide a kitchen manager and delivery manager module for efficient order processing.
- Offer various payment options, including online/card and cash on delivery.

1.5 Project Scope

This project aims to design and develop a comprehensive online food ordering system with a powerful admin panel and a 100% responsive frontend. The admin panel will feature unlimited menu management, user management, customer management, order management, language management, loyalty points, referral settings, location management, and extensive settings management. The frontend will offer social logins, single-page checkout, multilingual support, and a user-friendly interface for booking orders and managing profiles. The system will also include a kitchen manager and delivery manager module with order processing and assignment features. Additionally, the project will involve SEO optimization, reporting and analytics, and easy

- Phpmyadmin
- Php
- Html
- Css

1.7. Project Summary

This project involves designing and developing a comprehensive online food ordering system with a robust admin panel and a 100% responsive frontend. The system allows for unlimited menu management, user and customer management, order management, language management, loyalty points, referral settings, and location management. It also features extensive settings management, reporting, and analytics. The frontend offers social logins, single-page checkout, multilingual support, and a user-friendly interface for booking orders and managing profiles. The system includes modules for kitchen and delivery management, SEO optimization, and easy installation.

Chapter 2: Literature Review & Problem Definition

2.1. Literature Review:

Existing System 1:Foodpanda

Foodpanda would take orders from customers, but not communicate them to the restaurant. Often, customers would directly call up the restaurant to check. Sometimes, the communication would come up to 30 minutes late, resulting in a late delivery (and unhappy customers). Several reasons contribute to the failure of Foodpanda, like fake restaurants and orders, miscommunication, technical faults, unstructured business model and lack of ownership.

Existing System 2:KFC

Weight Gain: Fried chicken is high in calories, saturated fats, and often contains breading, which can contribute to weight gain if consumed in excess. High Cholesterol: The saturated fats in fried chicken can raise your cholesterol levels, increasing the risk of heart disease. Here's where "crispy" is a code word for "steer clear." The extra crispy recipe is by far the least healthful of KFC's chicken options. A single breast will set you back 530 calories, 35 grams of fat, and 6 grams of saturated fat. Limited product diversification: While KFC has expanded its menu over time, its core offerings still revolve around chicken-based dishes.

2.2. Analysis from Literature Review:

Online restaurant food ordering project appears to be a comprehensive and ambitious endeavor. Research has shown that online ordering can significantly improve customer satisfaction and increase sales for restaurants (Kim et al., 2020). The system's focus on user management, order management, and loyalty points aligns with industry best practices for customer relationship management (Chen et al., 2019). The inclusion of kitchen and delivery management modules also addresses key operational efficiency challenges faced by restaurants (Wang et al., 2018). Furthermore, the system's emphasis on SEO optimization, social logins, and pusher notifications demonstrates an understanding of contemporary digital marketing strategies (Huang et al., 2021).

managing orders, tracking delivery, and providing personalized customer experiences. Additionally, the absence of real-time tracking and updates on order status, limited customer support, and inability to capitalize on social media and other platforms to increase brand awareness and sales are significant pain points. Furthermore, the high commission fees charged by existing platforms, limited control over delivery logistics, and inability to offer personalized promotions and discounts are also major concerns for restaurants. To address these challenges, an online food ordering system project that provides a seamless, efficient, and personalized experience for customers and restaurants alike is essential to unlock the full potential of Pakistan's growing online food ordering market.

2.4 Product Functions

The key functions of the proposed system include:

Admin Panel: Manage menu categories, items, add-ons, and options, as well as users, customers, orders, language, loyalty points, referral settings, and locations. Configure site settings, email, payment gateways, SMS, SEO, social networks, and pusher notifications.

Frontend: Users can register and log in via social media or web registration, view menus and items, book orders using loyalty points, and manage profiles and addresses. They can also pay online or offline and view orders and points.

Kitchen Manager: View processed orders, send orders to delivery managers, and assign delivery managers.

Delivery Manager: View out-to-deliver orders, send orders for delivery, and manage profiles.

Reports: Generate sales summary reports by date, customer, item, location, and view orders in a jQuery calendar.

Referral System: Earn loyalty points for referrals and view referral statistics.

The system offers a powerful admin panel, easy installation, SEO optimization, and a userfriendly

Foodpanda, like fake restaurants and orders, miscommunication, technical faults, unstructured business model and lack of ownership. Also KFC Fried chicken is high in calories, saturated fats, and often contains breading, which can contribute to weight gain if consumed in excess. The saturated fats in fried chicken can raise your cholesterol levels, increasing the risk of heart disease. The extra crispy recipe is by far the least healthful of KFC's chicken options. A single breast will set you back 530 calories, 35 grams of fat, and 6 grams of saturated fat. While KFC has expanded its menu over time, its core offerings still revolve around chicken-based dishes. But this project involves designing and developing a comprehensive online food ordering system with a robust admin panel and a 100% responsive frontend. The system allows for unlimited menu management, user and customer management, order management, language

management, loyalty points, referral settings, and location management. It also features extensive settings management, reporting, and analytics. The frontend offers social logins, single-page checkout, multilingual support, and a user-friendly interface for booking orders and managing profiles. The system includes modules for kitchen and delivery management, SEO optimization, and easy installation

Chapter 3: Requirement Analysis

3.1. Functional Requirements

The online Food Ordering system must fulfill the following functional requirements:

- Allow administrators to create and manage unlimited menu categories, items, add-ons, and options.
- Manage users, customers, orders, language, loyalty points, referral settings, and locations.
- Configure site settings, email, payment gateways, SMS, SEO, social networks, and pusher notifications.
- Provide a user-friendly frontend for customers to register, log in, view menus, book orders, and manage profiles and addresses.
- Enable customers to pay online or offline and view orders and points.
- Allow kitchen managers to view processed orders, send orders to delivery managers, and assign delivery managers
- Enable delivery managers to view out-to-deliver orders, send orders for delivery, and manage profiles
- Generate sales summary reports by date, customer, item, location, and view orders in a jQuery calendar
- Implement a referral system with loyalty points and statistics
- Ensure a 100% responsive design, easy installation, and SEO optimization
- Provide a powerful admin panel, pusher notifications, SMS alerts, email alerts, social logins, and single-page checkout
- Support multilingual FAQs and well-documented code
- Manage admin users, kitchen managers, delivery managers, and customer reports

3.2. Non Functional Requirements

Non-functional requirements specify criteria that describe the overall system's operation, rather than specific behaviors. They focus on attributes such as performance, security, usability, and scalability. Here are the non-functional requirements for your defect detection system and how they contribute to the system's success:

Reliability: The system must be available 99.9% of the time, with a maximum downtime of 1 hour per month.

Scalability: The system must be able to handle a 20% increase in users and orders without significant performance degradation.

Maintainability: The system must provide easy updates and bug fixes, with a maximum resolution time of 24 hours.

Compatibility: The system must be compatible with major browsers, including Chrome, Firefox, and Safari, and with mobile devices.

Accessibility: The system must comply with industry standards for accessibility, including WCAG 2.1.

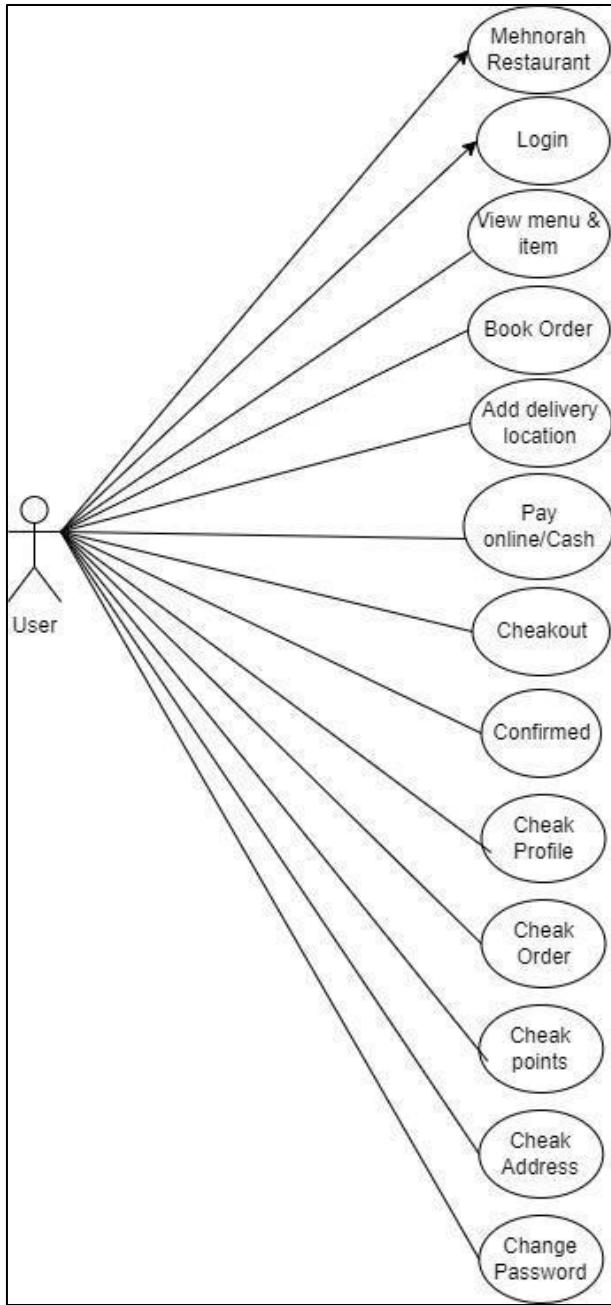
Data Integrity: The system must ensure data consistency and accuracy, with a maximum error rate of 0.1%.

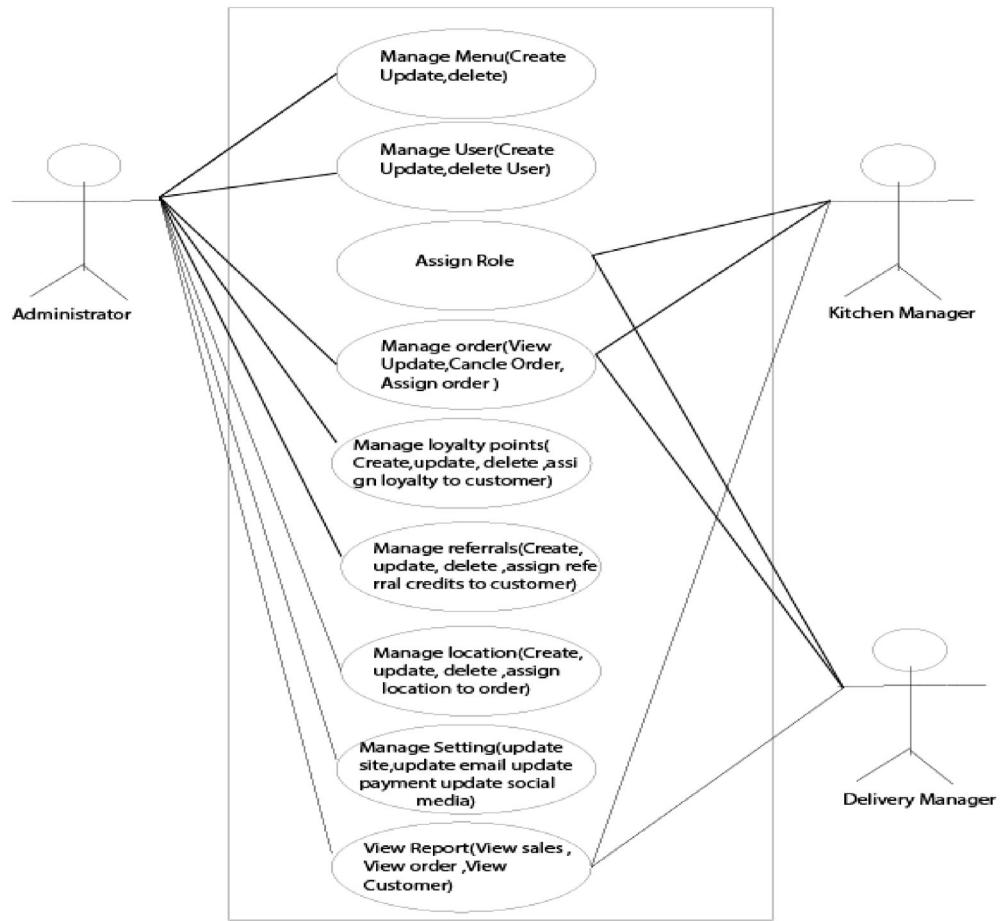
Backup and Recovery: The system must provide daily backups and ensure recovery within 1 hour in case of data loss.

3.3 Use Cases model

The use case model are as follows

3.3.1 User





3.3 Use Case Descriptions

| Field | Description |
|---------------|---|
| Use Case Name | Online food Ordering |
| Actor | User |
| Preconditions | User is logged into the system. |
| Main Flow | <ul style="list-style-type: none"> 1 user login in the website 2 user cheak menu 3 user select menu 4 user book Order 5 use add details 6 user add delivery location 7 Select pay online/Cash 8 Confirmed Order |
| | <ul style="list-style-type: none"> 1 Cheak Profile 2 Cheak Order 3 Cheak Points 4 Cheak Address 5 Cheak Password |

3.3.3 Admin Use Case

| Field | Description |
|---------------|---|
| Use Case Name | Menu |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | <ul style="list-style-type: none"> 1 Admin can Add menu 2 Admin can delete menu |

| Field | Description |
|---------------|---|
| Use Case Name | Item |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can Add item Admin can delete item Admin can update existing item |

| Field | Description |
|---------------|---|
| Use Case Name | Add once |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can View Add-ons Admin can delete Add-ons Admin can update existing Add-ons |

| Field | Description |
|---------------|---|
| Use Case Name | Option |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can View options Admin can Activated/Deactivated options |

| Field | Description |
|---------------|---|
| Use Case Name | Item Type |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can View item type Admin can Add item Admin can update existing Item type Admin can delete item Type. Admin can Activated/Deactivated Item Type |

| Field | Description |
|---------------|--|
| Use Case Name | Offers |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can View Offers Admin can Add Offers Admin can update existing Offers Admin can delete Offers Admin can Activated/Deactivated Offers |

| Field | Description |
|---------------|--------------------|
| Use Case Name | Kitchen Managers |
| Actor | Admin |

| Field | Description |
|---------------|--|
| Use Case Name | Delivery Manager |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | <ol style="list-style-type: none"> 1. Admin can View Delivery Manager 2. Admin can Add Delivery Manager 3. Admin can update existing Delivery Manager 4. Admin can delete Delivery Manager. 5. Admin can Activated/Deactivated Delivery Manager |

| Field | Description |
|---------------|---|
| Use Case Name | Customer |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can View Customer Admin can View Detail of customer Admin can Activated/Deactivated Customers |

| Field | Description |
|---------------|--------------------|
| Use Case Name | Order |
| Actor | Admin |

| Field | Description |
|---------------|---|
| Use Case Name | Language |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can View Language Admin can Add language Admin can update existing Language Admin can delete Language. Admin can add phrase |

| Field | Description |
|---------------|---|
| Use Case Name | Loyalty Points |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | 1. Admin can Enabled Set points ON/OFF 2. Admin can Set amount of earning points 3. Admin can set amount of redeeming points Admin can delete item Type. Admin can Activated/Deactivated Item Type |

| Field | Description |
|---------------|--------------------|
| Use Case Name | Referral Setting |

| Field | Description |
|---------------|---|
| Use Case Name | Location |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can Add location Admin can Update existing location Admin can delete location Admin can Activated/Deactivated Location |

| Field | Description |
|---------------|--|
| Use Case Name | Site Setting |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can Site title, Address , City , State , Country , Currency , Currency symbol , Country Code , Restaurant Timing , Pine code ,latitude , longitutide , Design by , Payment method , Date format , Phone No, landline , Google Clint id , Google clint Server, Home page Caption, Home page tagline , Contact Email , Site Language ,Site Country , Time Zone |

| Field | Description |
|---------------|-------------------------------------|
| Use Case Name | Email Setting |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |

| Field | Description |
|---------------|--|
| Use Case Name | Social Network Setting |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can set his Restaurant Social Networks here, which reflect in Front end Twitter , FaceBook ,Linkedin , Instagram, Pinterset , Thumblr. |

| Field | Description |
|---------------|---|
| Use Case Name | SEO Setting |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can Set SEO Setting Admin Can Update SEO Setting |

| Field | Description |
|---------------|-------------------------------------|
| Use Case Name | Email Template |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | 1. Admin Can Update Email Template |

| Field | Description |
|---------------|--------------------|
| Use Case Name | SMS Gateway |

| Field | Description |
|---------------|---|
| Use Case Name | Pusher Notification Setting |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can Set Pusher Notification Admin Can Update Pusher Notification |

| Field | Description |
|---------------|--|
| Use Case Name | Stripe Card |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can Update Stripe Card Admin can Add Stripe Card Admin can Delete Stripe Card Admin can Activated/Deactivated Stripe Card |

| Field | Description |
|---------------|---|
| Use Case Name | Report |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can view report Admin can Submit Data Wise Admin can Submit Customer Wise |

| Field | Description |
|---------------|--|
| Use Case Name | Pages |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can Update Pages Admin can Activated pages Admin can Deactivated pages |

| Field | Description |
|---------------|--|
| Use Case Name | FAQs |
| Actor | Admin |
| Preconditions | Admin is logged into the dashboard. |
| Main Flow | Admin can Update FAQs Admin can Add FAQs Admin can Delete FAQs Admin can Activated/Deactivated FAQs |

3.3. Chapter Summary:

In this chapter we discuss functional and non functional requirements. In functional requirement Functional requirements for the online restaurant table reservation management system have been developed to make sure that the functionalities and functional aspects of the system are met. System will allow the user to login. System will verify the user name and password. System will not allow user to login with invalid username or password. System will be able to remember username and password. System will allow users to create account. System will allow user to search restaurants that are available in the website. System shall display the result. System will allow the user to reserve the table in desired restaurant. System will allow users to view the available restaurants in his/her desired city/town.

should be compatible with various devices and operating systems, allowing users to access it from different platforms such as desktops, smartphones, and tablets. The system should be reliable and available for use at all times, minimizing any downtime or disruptions in service.

Chapter 4: Design and Architecture

4.1. Proposed Architecture

Frontend: HTML5, CSS3, JavaScript, jQuery, and ReactJS for a responsive and interactive user interface.

Backend: PHP 7.x, Laravel framework, and MySQL database for efficient and secure data management.

Database: MySQL database with appropriate schema design for storing menu categories, items, add-ons, options, users, customers, orders, loyalty points, and referral settings.

Server: Apache or Nginx server for hosting the application, with appropriate configurations for security and performance.

APIs: RESTful APIs for integrating third-party services like payment gateways, social media, and pusher notifications.

Security: SSL encryption, secure password hashing, and CSRF protection for ensuring data security and integrity.

Deployment: Cloud hosting (AWS or Google Cloud) for scalability, reliability, and easy maintenance.

Testing: Unit testing, integration testing, and UI testing using Jest, Enzyme, and Cypress for ensuring code quality and functionality.

This architecture ensures a scalable, secure, and maintainable online restaurant reservation system that meets the functional and non-functional requirements.

- Order Management System
- Payment Gateway Integration
- Notification Systems (Pusher, SMS, Email)
- Social Logins (Facebook, Google+)
- Single Page Checkout
- Multilingual FAQs
- Well-documented code
- SEO Optimized
- Kitchen Manager and Delivery Manager features
- Reports (Sales summary, Orders in jQuery Calendar)
- Dashboard Statistics

4.3. Development Requirements:

Backend development (600 hours): building the server-side logic, database integration, and API connectivity using PHP 7.x (Laravel framework) and MySQL.

Frontend development (700 hours): creating the user interface, responsive design, and clientside logic using HTML5, CSS3, JavaScript (ReactJS), and jQuery.

Testing and quality assurance (300 hours): ensuring the system's stability, performance, and functionality through unit testing, integration testing, and UI testing.

Project management and coordination (200 hours): planning, coordinating, and managing the development team and project progress.

4.3. Development Requirements:

Backend development (600 hours): building the server-side logic, database integration, and API connectivity using PHP 7.x (Laravel framework) and MySQL.

Frontend development (700 hours): creating the user interface, responsive design, and clientside logic using HTML5, CSS3, JavaScript (ReactJS), and jQuery.

Testing and quality assurance (300 hours): ensuring the system's stability, performance, and functionality through unit testing, integration testing, and UI testing.

Project management and coordination (200 hours): planning, coordinating, and managing the development team and project progress.

Documentation and deployment (150 hours): preparing documentation, code commenting, and deploying the system on the production server.

The project requires a team with expertise in PHP, MySQL, ReactJS, jQuery, and Laravel, as well as experience in responsive design, SEO optimization, and social media integration. The development process will involve designing and building the admin panel, frontend, and database, as well as testing and deploying the system.

- Chart.js library for sales summary reports

4.5. UML Diagrams

UML is known as unified model language and used to make static structured diagrams which will show how system will work. There are many UML diagrams but some of them are:

4.4.1. Sequence Diagram

A sequence diagram is a valuable tool in software development, specifically within the field of Unified Modeling Language (UML). It presents a visual representation of the interactions and chronological order of messages exchanged between objects or components in a system. By illustrating the dynamic behavior of the system, sequence diagrams capture the flow of control and sequence of events during the execution of a particular scenario or use case. These diagrams effectively depict the collaboration and message exchange between objects.

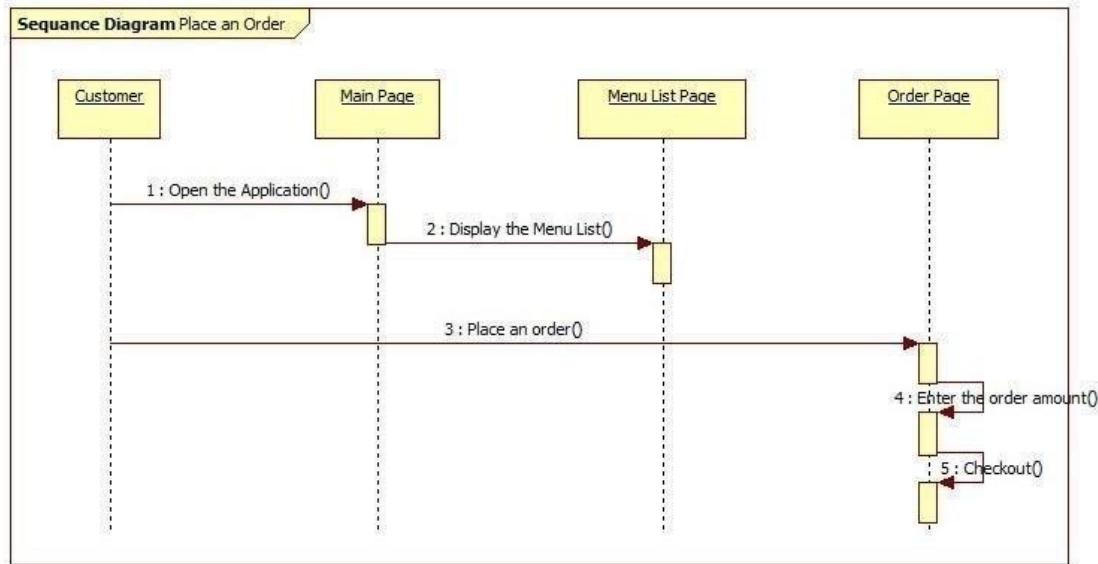
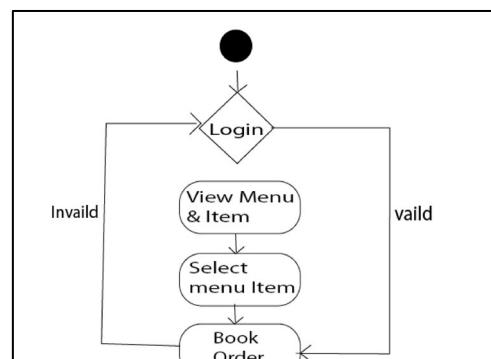


Figure 4.1: Sequence Diagram

4.4.2 Activity Diagram



4.4.3. Class Diagram

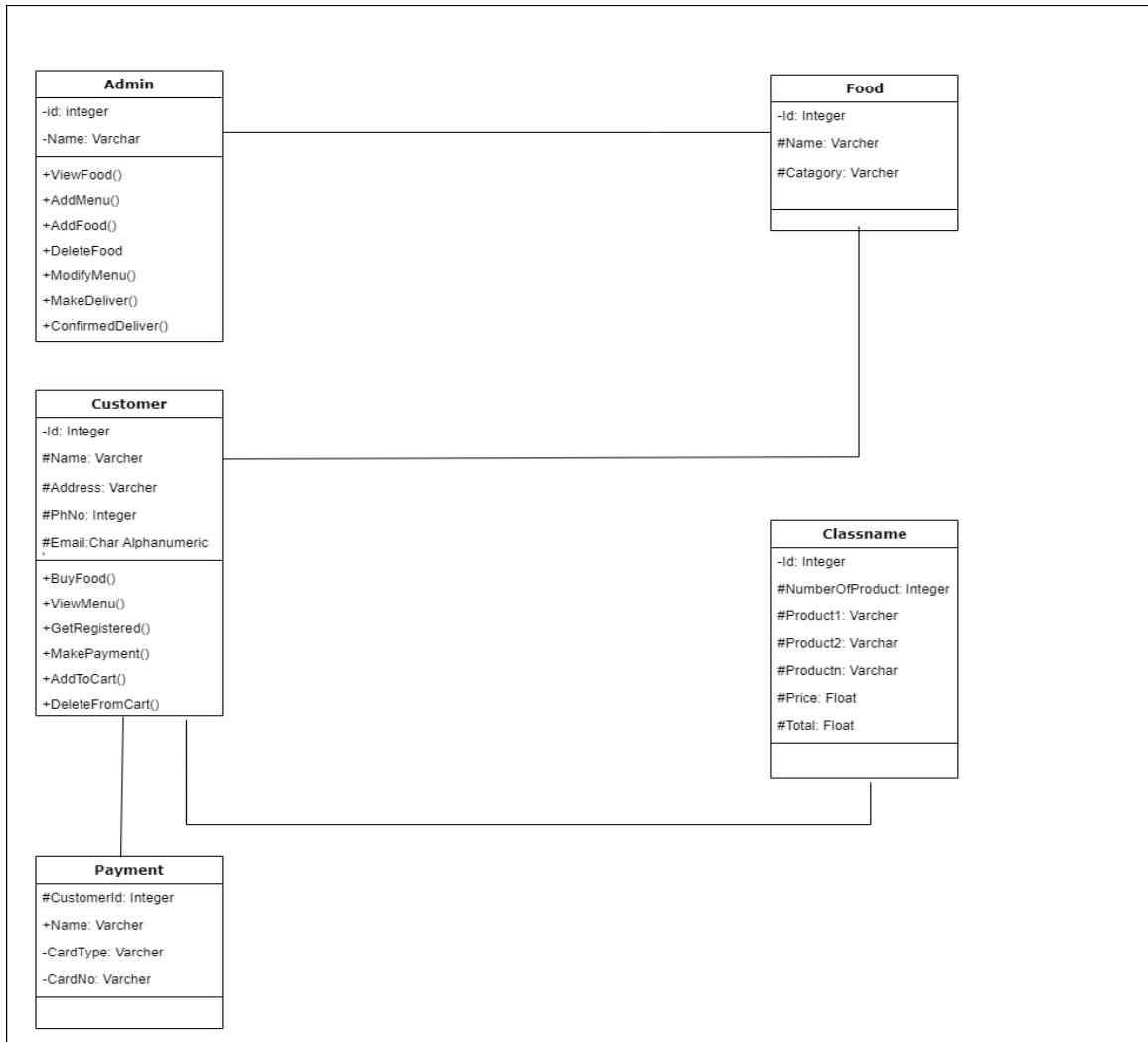


Figure 4.2: Class Diagram

Chapter 5: Project Implementation

5.1. Programming Language

- PHP 7.x or higher for backend development, using the Laravel framework for building the admin panel, user management, order management, and other core features.
- JavaScript (ReactJS 16.x or higher) for frontend development, creating a responsive and interactive user interface for customers and administrators.
- HTML5 and CSS3 for structuring and styling the web pages, ensuring a responsive design for various devices.
- jQuery 3.x or higher for DOM manipulation, event handling, and AJAX requests.
- MySQL 5.x or higher for database management, storing menu items, orders, customer information, and other data.
- Additionally, the project uses various libraries and tools, such as:
 - PayPal API for online payment processing
 - Social media APIs (Facebook and Google+) for social logins
 - Pusher notification API for real-time updates
 - Tinify API for image compression
 - SEO optimization tools and libraries for search engine optimization

- Single page checkout: Easy and secure payment process
- Social logins: Facebook and Google+ integration

Backend:

- Server-side logic: PHP 7.x (Laravel framework)
- Database management: MySQL
- API integration: PayPal, social media, pusher notifications

Admin Panel:

- Menu management: Create unlimited categories, items, add-ons, and options
- User management: Customers, admin users, kitchen managers, delivery managers
- Order management: New, under process, out to deliver, delivered, cancelled
- Settings management: Site settings, email settings, PayPal settings, SMS settings, SEO settings, social network settings, pusher notification settings, Tinify settings

Reports and Analytics:

- Sales summary report by date, customer, item, location
- Sales summary report in chart form for each month
- Orders view in jQuery Calendar

Referral System:

- Loyalty points and referral settings
- User registration through social media or web registration
- Kitchen Manager and Delivery Manager Features:
 - Profile management
 - Order management (processed orders, send orders to out to deliver, assign delivery manager)

User Features:

- Register and login through social media or web registration

- View profile, addresses, orders, and points

5.3. System Requirement:

Hardware Requirements:

- Server: Minimum 2 GB RAM, 1 CPU core, and 50 GB storage
- Database: MySQL 5.x or higher
- Web Server: Apache 2.x or higher or Nginx 1.x or higher

Software Requirements:

- Operating System: Linux or Windows
- Programming Language: PHP 7.x or higher
- Framework: Laravel 6.x or higher
- Database Management System: MySQL 5.x or higher
- JavaScript Library: jQuery 3.x or higher
- ReactJS 16.x or higher for frontend

Other Requirements:

- Internet connection for online payment and social media integration
- Compatible browsers: Chrome, Firefox, Safari, Edge
- Mobile devices: Android and iOS compatible
- Payment gateways: PayPal and credit card payment processing

- Response time: Less than 3 seconds
- Uptime: 99.9% or higher
- Scalability: Handle at least 100 concurrent users
- Security: SSL encryption, secure password hashing, and CSRF protection

This project requires a robust and scalable system to manage restaurant reservations, orders, and customer management efficiently.

5.4. Chapter Summary

The technical requirements and framework for the online food ordering system. The backend will be built using PHP 7.x or higher and the Laravel framework, while the frontend will utilize JavaScript (ReactJS 16.x or higher) for a responsive and interactive user interface. HTML5 and CSS3 will be used for structuring and styling web pages, with jQuery 3.x or higher for DOM manipulation and AJAX requests. MySQL 5.x or higher will manage the database, storing menu items, orders, customer information, and other data. Additionally, various libraries and tools will be integrated, such as PayPal API, social media APIs, Pusher notification API, Tinify API, and SEO optimization tools. The system requires a server with minimum 2 GB RAM, 1 CPU core, and 50 GB storage, running on Linux or Windows with Apache 2.x or higher or Nginx 1.x or higher. The frontend will be built using ReactJS, with a responsive design and single page checkout. The backend will utilize Laravel for server-side logic, MySQL for database management, and integrate with various APIs. The admin panel will manage menu categories, user roles, order status, settings, reports, and analytics. The referral system will include loyalty points and referral settings, with user registration through social media or web registration. Kitchen managers and delivery managers will have profile

Chapter 6: Software Testing & Maintenance

6.1 Deriving Test

Unit testing: Verify individual components, such as menu management, order management, and payment processing, to ensure they function correctly.

Integration testing: Test how different components interact with each other, like ordering and payment processing.

UI testing: Validate the user interface, including responsive design, navigation, and usability.

Security testing: Identify vulnerabilities in authentication, authorization, and data encryption.

Performance testing: Evaluate the system's response time, scalability, and reliability under heavy loads.

Acceptance testing: Confirm that the system meets the requirements and works as expected.

Testing methodologies:

Black box testing: Test the system without knowledge of the internal workings.

White box testing: Test the system with knowledge of the internal workings.

Gray box testing: Test the system with partial knowledge of the internal workings.

Testing tools:

PHP Unit for unit testing

Selenium for UI testing

JMeter for performance testing

- Demo data for menu items, orders, customers, and other features
- Test accounts for admin, kitchen manager, delivery manager, and customers
- Test environment for payment gateways, social media APIs, and other integrations
- Mobile devices and browsers for responsive design testing
- Virtual private network (VPN) for testing security and privacy
- Load testing tools for performance and scalability testing
- Debugging tools like PHPStan, Psalm, and Xdebug for code quality and error detection

Testing frameworks and tools:

- PHPUnit for unit testing
- Behat for behavior-driven development (BDD)
- Selenium for UI testing
- JMeter for performance testing
- OWASP ZAP for security testing

Version control system:

- Git for source code management and version control

6.3 Testing identification

Testing Identification:

The online food ordering system project requires thorough testing to ensure its functionality.

- User management (create, edit, delete customers, admin users, kitchen managers, delivery managers)
 - Order management (create, edit, delete orders, update status)
 - Language management (add, edit, delete languages)
 - Loyalty points and referral settings
 - Location management (add, edit, delete locations)
 - Manage settings (site settings, email settings, PayPal settings, SMS settings, SEO settings, social network settings, Pusher notification settings, Tinify settings)
2. Frontend Testing:
- Registration and login functionality
 - Menu viewing and ordering
 - Single page checkout
 - Payment processing (online/card or cash on delivery)
 - Order tracking and status updates
 - Loyalty points and rewards
 - Multilingual support
3. Mobile Testing:
- Responsive design and layout
 - Menu viewing and ordering
 - Payment processing
 - Order tracking and status updates
4. Security Testing:
- Authentication and authorization

- Stress testing (high traffic, large orders)
- Endurance testing (long-term performance)

6. Integration Testing:

- Payment gateways (PayPal, credit card)
- Social media APIs (Facebook, Google+)
- Pusher notifications
- SMS and email alerts

7. User Acceptance Testing (UAT):

- User scenarios and workflows
- User interface and user experience

By identifying these testing scenarios and cases, we can ensure that the online restaurant reservation system is thoroughly tested and meets the required specifications, providing a smooth user experience for customers and administrators alike.

6.4 Test Procedure

1. Unit Testing: Test individual components, such as menu management, order management,

and payment processing. Use testing frameworks like PHPUnit, Behat, and Selenium.

2. Integration Testing: Test how components interact with each other, such as ordering and

payment processing. Use testing frameworks like Selenium and Behat.

6. Regression Testing: Test the system after changes or updates to ensure no new bugs

are introduced. Use testing frameworks like Selenium and PHPUnit.

7. Performance Testing: Test the system's performance under heavy loads and high traffic. Use

testing tools like JMeter and Apache JMeter.

8. Security Testing: Test the system's security vulnerabilities, such as SQL injection and cross-site scripting (XSS). Use testing tools like OWASP ZAP and Burp Suite.

9. Usability Testing: Test the system's user interface and user experience. Use testing tools like UserTesting and TryMyUI.

10. Compatibility Testing: Test the system on different browsers, devices, and operating systems.

Use testing tools like BrowserStack and Sauce Labs.

11. Deployment Testing: Test the system after deployment to ensure it works as expected. Use

testing tools like Selenium and JMeter.

We can ensure that the online restaurant reservation system is thoroughly tested, reliable, and

on input and output.

2. White Box Testing: Testing the system with knowledge of the internal workings, focusing on code and logic.
3. Gray Box Testing: Testing the system with partial knowledge of the internal workings, focusing on high-level logic and integration.
4. Equivalence Partitioning: Dividing input data into partitions and testing each partition at least once.
5. Boundary Value Analysis: Testing the system at the boundaries of input data, such as minimum and maximum values.
6. State Transition Testing: Testing the system's state transitions, such as ordering and payment processing.
7. Use Case Testing: Testing the system's use cases, such as user registration and order placement.
8. Exploratory Testing: Testing the system without preconceived notions, focusing on discovery

10. Performance Testing: Testing the system's performance under heavy loads and high traffic.

11. Security Testing: Testing the system's security vulnerabilities, such as SQL injection and

cross-site scripting (XSS).

12. Usability Testing: Testing the system's user interface and user experience.

13. Compatibility Testing: Testing the system on different browsers, devices, and operating systems.

14. Regression Testing: Testing the system after changes or updates to ensure no new bugs are introduced.

6.6. Test Cases:

1. Menu Management:

- Create category
- Edit category
- Delete category
- Create item
- Edit item
- Delete item
- Add add-ons

- Delete user
- Assign user roles (admin, kitchen manager, delivery manager)

3. Order Management:

- Place order
- View order details
- Update order status (new, under process, out to deliver, delivered, cancelled)
- Cancel order

4. Language Management:

- Add language
- Edit language
- Delete language
- Translate menu items and categories

5. Loyalty Points and Referral Settings:

- Add loyalty points
- Edit loyalty points
- Delete loyalty points
- Set referral settings

6. Location Management:

- Add location
- Edit location
- Delete location

7. Manage Settings:

- Social network settings (API credentials)
 - Pusher notification settings (API credentials)
 - Tinify settings (API credentials)
8. Reports:
- Sales summary report by date
 - Sales summary report by customer
 - Sales summary report by item
 - Sales summary report by location
9. FAQs and Custom Pages:
- Add FAQ
 - Edit FAQ
 - Delete FAQ
 - Add custom page
 - Edit custom page
 - Delete custom page
10. Orders View in jQuery Calendar:
- View orders in calendar format
 - Filter orders by date
 - Filter orders by status
11. Payment Gateway:
- Test online payment
 - Test cash on delivery
12. Social Logins:

14. Multilingual:
 - Test translation of menu items and categories
 - Test translation of FAQs and custom pages
15. Admin Users Management:
 - Test adding admin user
 - Test editing admin user
 - Test deleting admin user
16. Kitchen Manager and Delivery Manager:
 - Test assigning orders to kitchen manager
 - Test assigning orders to delivery manager
 - Test viewing processed orders
 - Test sending orders for delivery

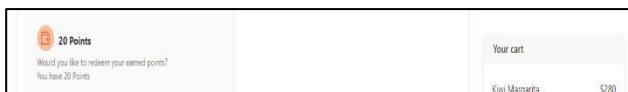
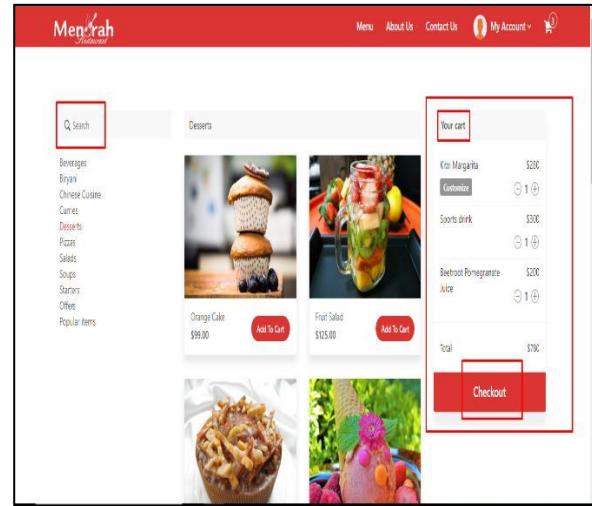
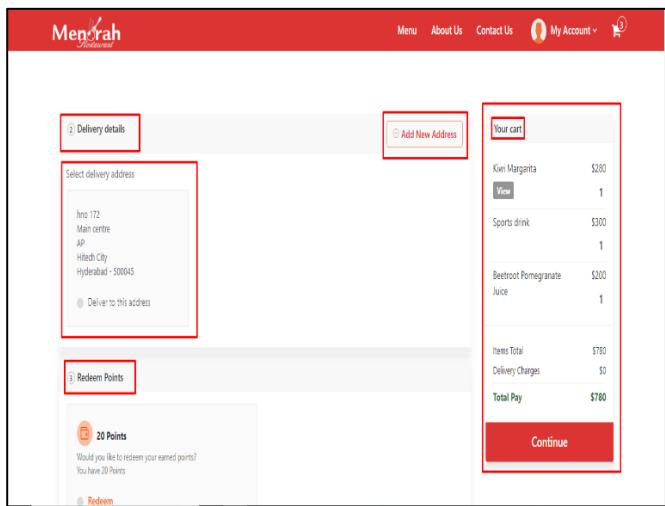
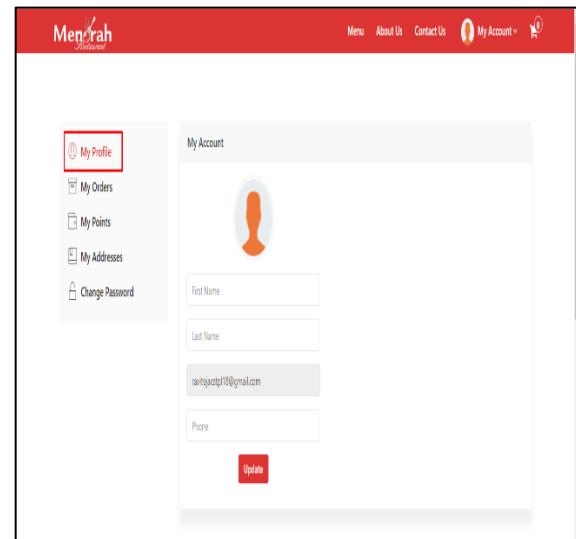
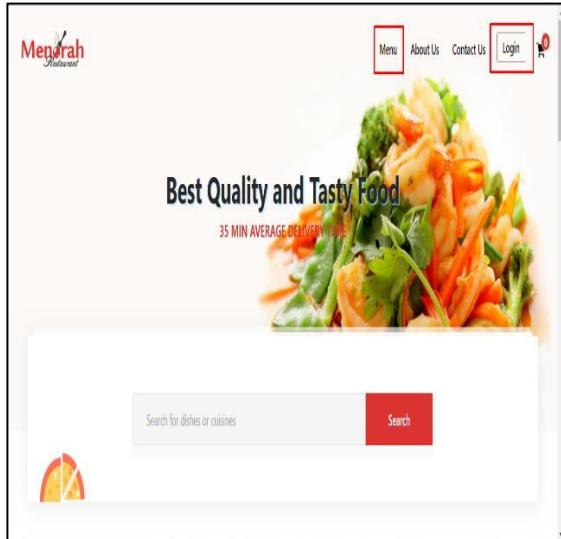
By testing these scenarios, we can ensure that the online restaurant reservation system is functioning

as expected and meets the required specifications.

6.7. Chapter Summary

In chapter 6 discusses It various testing methodologies, tools, and techniques to ensure the system is reliable, efficient, and meets the required specifications. The chapter covers unit testing, integration testing, UI testing, security testing, performance testing, and acceptance testing. It also discusses testing frameworks and tools like PHPUnit, Selenium, JMeter, and OWASP ZAP. Additionally, the chapter provides a comprehensive testing procedure, including test cases for menu management, user management, order management, language management, loyalty points and referral settings, location management, manage settings, reports, FAQs and custom pages, orders view in jQuery calendar, payment gateway, social logins, single page checkout, multilingual, admin users management, kitchen manager and

Chapter 7: ScreenShots



Menorah
Restaurant

Menu About Us Contact Us My Account

My Profile

My Orders

My Points

My Addresses

Change Password

My Orders

(Order # 294)
New \$508.00

Payment details
Booked Date: 18-01-2019 12:55 PM
Items total: \$408
Delivery charges: \$100.00
Is Points Redeemed: No
Payment mode: Cash on Delivery

Delivered date:
Inn 172 Main centre AP Hitech City Hyde
rated 500045

Details

Menorah
Restaurant

Menu About Us Contact Us My Account

My Profile

My Orders

My Points

My Addresses

Change Password

Order Products

| # | Item Name | Option | Item Cost | Quantity | Total Cost | Is Deleted |
|---|------------------|--------|-----------|----------|------------|------------|
| 1 | Butter Chicken | | 159.00 | 1 | 159.00 | No |
| 2 | Lima Beans Curry | | 149.00 | 1 | 149.00 | No |
| 3 | Potato Stew | | 100.00 | 1 | 100.00 | No |

\$508.00

Payment details
Booked Date: 18-01-2019 12:55 PM
Delivered date:
Items total: \$408
Delivery charges: \$100.00
Is Points Redeemed: No
Payment mode: Cash on Delivery
Inn 172 Main centre AP Hitech City Hyde
rated 500045

Details

Menorah
Restaurant

Menu About Us Contact Us My Account

My Profile

My Orders

My Points

My Addresses

Change Password

My Points

Balance: 20 Points

Earned
Points for Registration +20

Accepted Payments

Our Links

Home About Us

OPENING TIME
01:00 - 23:59

Menorah
Restaurant

Menu About Us Contact Us My Account

My Profile

My Orders

My Points

My Addresses

Change Password

Current Password
New Password
New Confirm Password

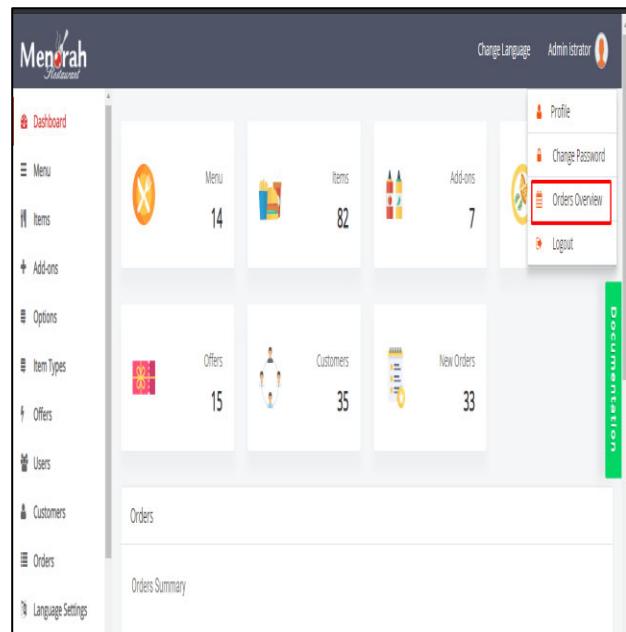
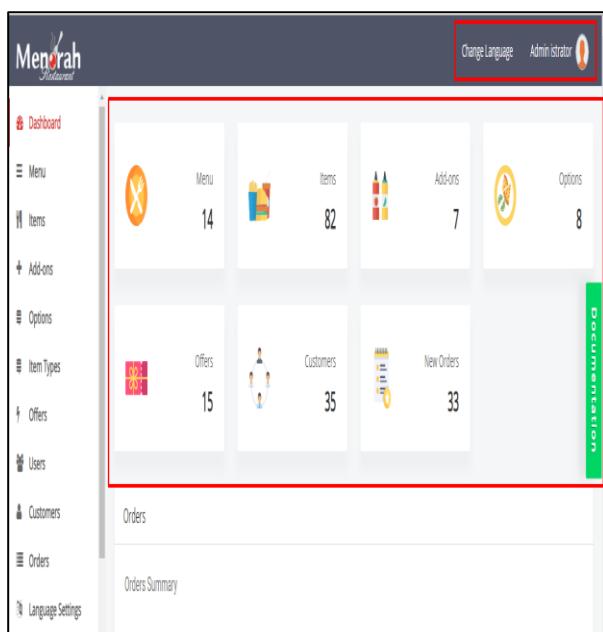
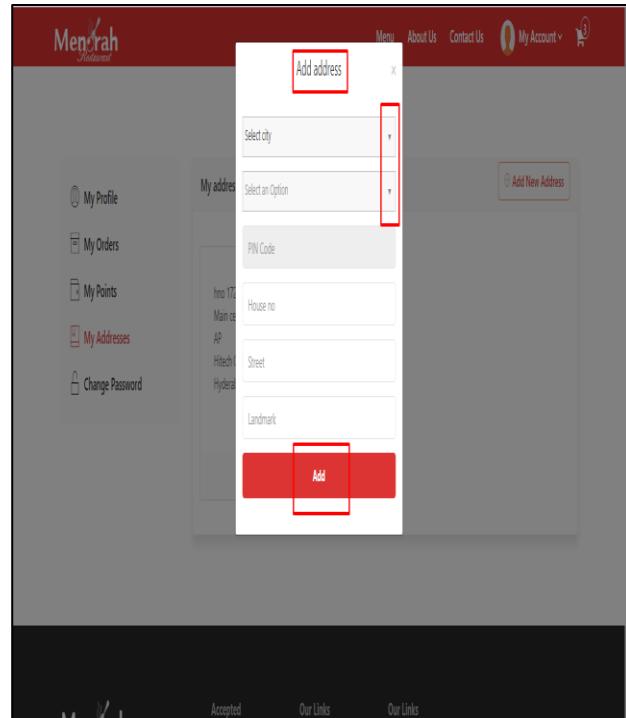
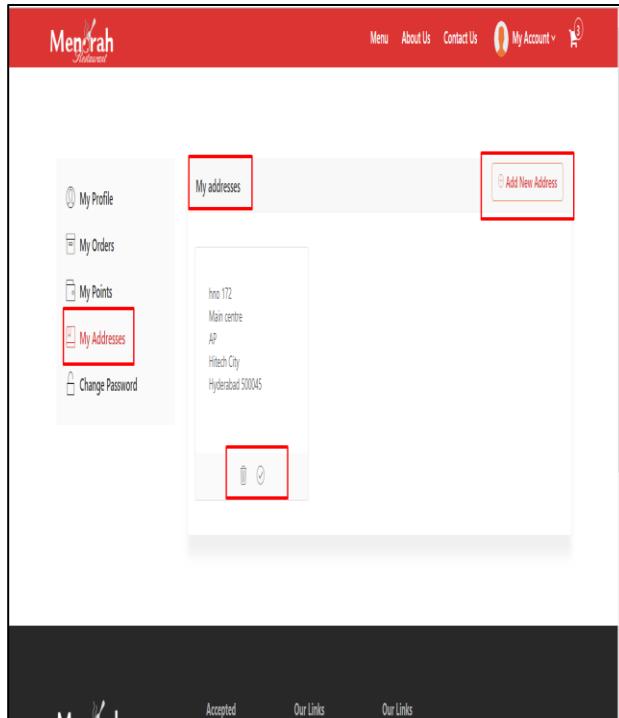
Submit

Accepted Payments

Our Links

Home About Us

OPENING TIME
01:00 - 23:59





View Menu

| Menu Name | Punch Line | Menu Image | Status | Actions |
|------------------------------|---------------------|------------|--------|---------|
| Beverages | Cool Beverages | | Active | |
| Biryani | Specialized Biryani | | Active | |
| Burger | Burgers | | Active | |
| Chili's American Grill & Bar | dfsd | | Active | |

Add Menu

Menu Name *

Punch Line *

Description *

Menu Image *(jpg|png|pdf)

Choose File | No file chosen

Status *

Active

Menorah Restaurant

Change Language Administrator

View Items

Display 10 records per page. Search:

| Menu Name | Item Name | Item Price | Item Type | Item Image | Status | Actions |
|-----------|----------------------|------------|-----------|------------|--------|---------|
| Pizzas | Country Feast | 67.00 | Veg | | Active | |
| Pizzas | Chicken Italiano | 57.00 | Veg | | Active | |
| Pizzas | Triple Chicken Feast | 57.00 | Veg | | Active | |
| Pizzas | Paneer Vegorama | 49.00 | Veg | | Active | |
| Beverages | Kiwi Margarita | 260.00 | Veg | | Active | |

Menorah Restaurant

Change Language Administrator

Add Item

Menu * Select

Item Name *

Item Price *

Item Type *

Veg

Item Image * (.gif|.jpg|.jpeg|.png)
For better resolution min & max width height 252x100 & 532x380
Choose File | No file chosen

Add-ons

Options

Item Types

Offers

Users

Customers

Orders

Language Settings

Loyalty Points

Referral Settings

Location Master

Description *

Status *

Is it popular item *

Yes

Save Cancel

Menorah Restaurant

Change Language Administrator

View Add-ons

Display 10 records per page. Search:

Add-ons

| Addon Name | Price | Addon Image | Status | Actions |
|------------|-------|-------------|--------|---------|
| Jam | 10.00 | | Active | |
| Ketchup | 15.00 | | Active | |
| Lemon | 10.00 | | Active | |
| Onions | 10.00 | | Active | |

Menorah Restaurant

Change Language Administrator

Add Addon

Addon Name *

Price *

Description *

Addon Image * (.gif|.jpg|.jpeg|.png)
Choose File | No file chosen

Status *

Menorah Restaurant

Change Language Admin strator

View Options

Display 10 records per page

| | Name | Status | Actions |
|---|-------------|--------|---------|
| 1 | 500 ml | Active | |
| 2 | Extra Large | Active | |
| 3 | Family Pack | Active | |
| 4 | Jumbo Pack | Active | |
| 5 | Large | Active | |
| 6 | Medium | Active | |
| 7 | Single | Active | |

Menorah Restaurant

Change Language Admin strator

Add Option

Option Name*

Status*

Menorah Restaurant

Change Language Admin strator

View Item Types

Display 10 records per page

| | Item Type | Actions |
|---|-----------|---------|
| 1 | Non-Veg | |
| 2 | Other | |
| 3 | Veg | |

Displaying 1 to 3 of 3 records

Menorah Restaurant

Change Language Admin strator

Add Item Type

Item Type*

Menorah Restaurant

Change Language Administrator

View Offers

Display 10 records per page

| Offer Name | Offer price | Offer Start Date | Offer Valid Date | No Of items | Status | Actions |
|----------------------|-------------|------------------|------------------|-------------|--------|---------|
| Diwali Offer | 90.00 | 31-10-2017 | 30-11-2017 | 2 | Active | |
| Stuffed Crust | 343.00 | 31-10-2017 | 01-12-2017 | 2 | Active | |
| Items feast | 345.00 | 15-09-2017 | 24-01-2018 | 2 | Active | |
| Promotional Offer | 200.00 | 15-09-2017 | 01-02-2018 | 3 | Active | |
| Best Price Today | 232.00 | 15-09-2017 | 20-12-2017 | 3 | Active | |
| Great Deals | 232.00 | 15-09-2017 | 21-02-2018 | 3 | Active | |
| Special Pizzas offer | 454.00 | 31-10-2017 | 21-03-2018 | 3 | Active | |

Dashboard Menu Items Add-ons Options Item Types Offers Users Customers Orders Language Settings Loyalty Points Referral Settings Location Master

Menorah Restaurant

Change Language Administrator

Add Offer

Offer Name*

Offer Image Name * Choose File No file chosen

Offer price*

Offer Conditions*

Offer Start Date*

Offer Valid Date*

Status* Active

Menu Name* Item Name* Quantity* Add Remove

Select Select an Option

Menu Name Item Name Quantity

Save Cancel

Dashboard Menu Items Add-ons Options Item Types Offers Users Customers Orders Language Settings Loyalty Points Referral Settings Location Master Master Settings Reports

Menorah Restaurant

Change Language Administrator

Kitchen Managers

Display 10 records per page

| Name | Email | Phone | Status | Actions |
|-----------------|-------------------------|--------|--------|---------|
| Kitchen Manager | kithenmanager@gmail.com | 123456 | Active | |

Displaying 1 to 1 of 1 records

Previous Next

Dashboard Menu Items Add-ons Options Item Types Offers Users Kitchen Managers Delivery Managers Customers Orders

Menorah Restaurant

Change Language Administrator

Add Kitchen Manager

First Name*

Last Name*

Email*

Phone*

Save Cancel

Dashboard Menu Items Add-ons Options Item Types Offers Users Kitchen Managers Delivery Managers Customers Orders

Screenshot 1: Delivery Managers List

The left screenshot shows a list of delivery managers. A red box highlights the 'Delivery Managers' button in the top navigation bar. Another red box highlights the 'Add' button in the top right corner of the list area. The list table has columns: Name, Email, Phone, Status, and Actions. Two entries are shown: 'Imran Thair' (Active) and 'Delivery Manager' (Active). The bottom of the screen shows a footer with 'Display 10 records per page' and 'Previous Next' buttons.

Screenshot 2: Add Delivery Manager Form

The right screenshot shows a form for adding a new delivery manager. A red box highlights the 'Add Delivery Manager' button in the top right. The form fields include: First Name*, Last Name*, Email*, and Phone*. At the bottom are 'Save' and 'Cancel' buttons, with a red box highlighting the 'Save' button.

Screenshot 1: View Customers

The left screenshot shows a list of customers. A red box highlights the 'View Customers' button in the top navigation bar. Another red box highlights the 'Activate' and 'Deactivate' buttons in the top right corner of the list area. The list table has columns: Customer Name, Email, Phone, Referral Code, Status, and Actions. Five entries are shown: 'Gollapalli John Peter' (Active), 'Amy Augustadt' (Inactive), 'Amy Augustadt' (Inactive), and 'Mara Mulligan' (Inactive).

Screenshot 2: View Details

The right screenshot shows a detailed view of a customer. A red box highlights the 'View Details' button in the top right. The details are: First Name: Gollapalli, Last Name: John Peter, Email: gollapallijohnpeter@gmail.com, Phone: 7559861197, Referral Code: (empty), User Points: 0. Below this is a text box containing: Plot No 16, Silicon Valley, Near HDFC Bank.

Menorah Restaurant

Change Language Admin istrator

View Orders

Display 10 records per page Search:

| S No | Order No | Order Date | Order Time | Order Cost | Customer Name | Phone | Status | Actions |
|------|----------|------------|------------|------------|-----------------------|------------|--------|---------|
| 1 | 292 | 05-01-2019 | 18:14 | \$199.00 | Gollapalli John Peter | 7569861197 | New | |
| 2 | 291 | 04-01-2019 | 18:10 | \$225.00 | Gollapalli John Peter | 7569861197 | New | |
| 3 | 289 | 27-02-2018 | 18:09 | \$155.00 | Stavanthi Ravula | 7852964852 | New | |
| 4 | 288 | 12-02-2018 | 18:09 | \$305.00 | Willam Sandi | 8142487715 | New | |
| 5 | 287 | 12-02-2018 | 12:42 | \$285.50 | Willam Sandi | 8142487715 | New | |
| 6 | 286 | 10-02-2018 | 17:14 | \$220.00 | Willam Sandi | 8142487715 | New | |
| 7 | 285 | 10-02-2018 | 13:25 | \$240.00 | Willam Sandi | 8142487715 | New | |

Orders

New Orders

Under Process Orders

Out to Deliver Orders

Delivered Orders

Menorah Restaurant

Change Language Admin istrator

View Order

| | | | |
|---------------------|---------------------|----------------|-----------------------|
| Order No: | 292 | Customer Name: | Gollapalli John Peter |
| Order Date: | 05-01-2019 | Phone: | 7569861197 |
| Order Time: | 18:14 | House Number: | Plot No 16 |
| Delivery Cost: | \$100.00 | Street: | Plot No 16 |
| Order Cost: | \$99 | Landmark: | Near HDFC Bank |
| Paid Amount: | | Locality: | |
| Is Points Redeemed: | No | City: | Hyderabad |
| Booked Date: | 2019-01-04 13:44:28 | Zipcode: | 500045 |
| Status: | New | | |

Orders

New Orders

Under Process Orders

Out to Deliver Orders

Delivered Orders

Cancelled Orders

Language Settings

Menorah Restaurant

Change Language Admin istrator

View Languages

Admin can add the language

Display 10 records per page Search:

| # | Language | Language Code | Actions |
|---|------------|---------------|---------|
| 1 | Portuguese | pt | |
| 2 | English | en | |
| 3 | Dutch | nl | |
| 4 | Arabic | ar | |

Language Settings

Languages

Admin can update the language

Admin can delete language

Menorah Restaurant

Change Language Admin istrator

Add Language

| | |
|-----------------|----------------------|
| Language * | <input type="text"/> |
| Language Code * | <input type="text"/> |

Save **Cancel**

Language Settings

Languages

Language Settings

- Phrase For: Web
- Lang Key: English
- Arabic
- Dutch
- Portuguese

Point Settings

- Points Label Retain Placeholder: Menorah-Restaurant
- Points Label Earn: Points
- Earning Points for Customer for an Order: 20
- Earning Points conversion settings: Earning Points: 1, Earning Point value in \$: 2.00
- Reward Points For Account Signup: 20
- Reward Points For First Order: 30
- Reward Points For Sharing App: 20
- Minimum Points Can Be Used: 20
- Maximum Points Can Be Used: 30

User Reward Points

| S No | Customer Name | Email | Total Points | Actions |
|------|-----------------------|--------------------------------|--------------|---------|
| 1 | Gollapalli John Peter | gollapallijohnpeter@gmail.com | 0 | |
| 2 | Amy Augustadt | Cookiemnstr430@gmail.com | 0 | |
| 3 | Amy Augustadt | carolinaamy87@gmail.com | 0 | |
| 4 | Mara Mulligan | mulligansteve_28@msn.com | 0 | |
| 5 | Krista Larson | krista.larson@bethel.k12.or.us | 0 | |

Point Logs of Gollapalli John Peter

| S No | Points | Transaction Type | Description |
|------|--------|------------------|-------------------------------|
| 1 | 20 | Earned | Points earned for Sharing app |

Menorah Restaurant

Change Language Administrator

- Items
- Add-ons
- Options
- Item Types
- Offers
- Users
- Customers
- Orders
- Language Settings
- Loyalty Points
- Referral Settings**
- Referral Settings**
- Referral Users
- Location Master

Referral Settings

ON Referral Enabled*

points for referring person*
20

points for referred person*
10

Save

Menorah Restaurant 2019. All Rights Reserved. APP VERSION 1.0.0 O VERSION 3.0.0

Menorah Restaurant

Change Language Administrator

- Options
- Item Types
- Offers
- Users
- Customers
- Orders
- Language Settings
- Loyalty Points
- Referral Settings**
- Referral Settings**
- Referral Users**
- Location Master
- Master Settings
- Reports

Referral Users

| Display 10 records per page | | | | | | Search |
|-----------------------------|-------------|--------|-------------|--------|------------|--------|
| S No | Refer User | Points | Referred by | Points | Date | |
| 1 | Venkat Siva | 20 | Arun N | 10 | 26-12-2017 | |
| | | | | | | |
| | | | | | | |

Displaying 1 to 1 of 1 records

Previous **1** Next

Menorah Restaurant

Change Language Administrator

- Users
- Customers
- Orders
- Language Settings
- Loyalty Points
- Referral Settings
- Location Master**
- Cities
- Service Provide Locations
- Master Settings
- Reports
- Pages

View Service Provide Locations

| Display 10 records per page | | | | | | | | Search | |
|-----------------------------|-----------|------------|----------|--------------------|------------------|---------------------|--------------|---------------|---------|
| | City | Locality | PIN Code | Delivery From Time | Delivery To Time | Delivery Time Units | Delivery Fee | Status | Actions |
| | Barkot | Makota | 50003 | 10 | 20 | minutes | 25.00 | Active | |
| | Barkot | Makota | 50002 | 20 | 30 | minutes | 50.00 | Active | |
| | Bawali | Kol | 8520 | 10 | 20 | minutes | 20.00 | Active | |
| | Bangalore | BTM Layout | 560123 | 1 | 5 | hours | 100.00 | Active | |
| | Bangalore | KR Puram | 560036 | | | | | Active | |

Menorah Restaurant

Change Language Administrator

- Users
- Customers
- Orders
- Language Settings
- Loyalty Points
- Referral Settings
- Location Master**
- Cities
- Service Provide Locations
- Master Settings
- Reports

Add Service Provide Location

City*

Locality*

PIN Code*

Status*

Save **Cancel**


Change Language
Administrator

- Language Settings
- Loyalty Points
- Referral Settings
- Location Master
- Master Settings**
- Site Settings**
- Paypal Settings
- Email Settings
- Social Networks
- Seo settings
- Email Templates
- Sms Gateways
- SMS Templates
- Order Modification

Site Settings

Site Title *

Address *

City *

State *

Country *

PIN Code *

Latitude *

Currency *

Currency Symbol *

Country Code *

Restaurant Timings *

| | |
|-------|-------|
| From | To |
| 11:00 | 23:59 |

Notifications

SMS Verifications

OFF

Design By *

Order Processor *

| | | | |
|---|---------------------------------|-----------------------|------------------------|
|  | Change Language | Admin | Logout |
| <div style="border: 1px solid #ccc; padding: 10px;"> <p>Language Settings</p> <p>India</p> <p>PIN Code * 500081</p> <p>Latitude * 17.456234</p> <p>Longitude * 78.367759</p> <p>Ios Url http://iphpstack-127012-400033.cloudwaysapps.com</p> <p>Android Url http://iphpstack-127012-400033.cloudwaysapps.com</p> <p>Facebook App Id *(16) facebook app id</p> <p>Facebook App Secret *(16) facebook app secret</p> <p>Pusher Notification</p> <p><input type="checkbox"/> Gcm</p> </div> | | | |
| <div style="border: 1px solid #ccc; padding: 10px;"> <p>Notifications</p> <p><input checked="" type="checkbox"/> OFF <input type="checkbox"/> SMS Notifications</p> <p>Design By * Digital Samaritan</p> <p>Rights Reserved * © Menorah Restaurant 2019. All Rights Reserved.</p> <p>Date Format * DD-MM-YYYY</p> <p>Payment Methods *</p> <p><input checked="" type="checkbox"/> Online X <input checked="" type="checkbox"/> Cash On Delivery X <input checked="" type="checkbox"/> Card On Delivery X</p> <p>Home page caption Best Quality and Tasty Food</p> <p>Home page tagline 35 min average delivery time</p> <p>Favicon *(16) <input type="file"/> Choose File No file chosen</p> </div> | | | |

| | | Change Language | Administrator |
|---|--|--------------------------------------|---------------|
| <input checked="" type="checkbox"/> Language Settings | http://phostack-127012-400033.cloudkeysapps.com | Home page caption * | |
| <input checked="" type="checkbox"/> Loyalty Points | Facebook App Id *(Yes) | Best Quality and Tasty Food | |
| <input checked="" type="checkbox"/> Referral Settings | facebook app id | Home page tagline | |
| <input checked="" type="checkbox"/> Location Master | Facebook App Secret *(Yes) | 35 min average delivery time | |
| <input checked="" type="checkbox"/> Master Settings | facebook app secret | Favicon *(No) | |
| <input checked="" type="checkbox"/> Site Settings | Google Client Id *(Yes) | Choose File No file chosen | |
| <input checked="" type="checkbox"/> Payment Settings | 088343011670-5d377rb07017e947f6ed10hn.apps.googleusercontent.com | | |
| <input checked="" type="checkbox"/> Email Settings | Google Client Secret *(Yes) | | |
| <input checked="" type="checkbox"/> Social Networks | WWW708Up2C9rdkgUgjQa | | |
| <input checked="" type="checkbox"/> Geo settings | Phone * | Home page site logo *(gif jpg png) | |
| <input checked="" type="checkbox"/> Email Templates | 9876543210 | Choose File No file chosen | |
| <input checked="" type="checkbox"/> SMS Gateways | Land line * | | |
| <input checked="" type="checkbox"/> SMS Templates | 123456789 | | |
| <input checked="" type="checkbox"/> Fax * | | Other pages site logo *(gif jpg png) | |

Language Settings
Loyalty Points
Referral Settings
Location Master

Master Settings
Site Settings
Payroll Settings
Email Settings
Social Networks
SEO settings
Email Templates
SMS Gateways
SMS Templates

Land line *

Fax *

Contact Email *

Site Language *

English

Site Country *

Time Zone *

US(Central)-06:00

Other pages site logo *(jpg|png|jpg)
 Choose File | No file chosen

Home page image *(jpg|png|jpg)
 Choose File | No file chosen

Update
Cancel

Email Settings

Web Mail *

Smtp Host *

Smtp Port *

Smtp User *

Smtp Password *

Mandrill *

Api Key *

Update **Cancel**

Social Networks

| | |
|---|---|
| Facebook | LinkedIn |
| https://en-gb.facebook.com/login | https://www.linkedin.com/uas/login |
| Twitter | Instagram |
| https://twitter.com/login | https://www.instagram.com/?hl=en |
| Google Plus | Pinterest |
| https://plus.google.com/ | https://in.pinterest.com/login/ |
| Tumblr | |
| https://www.tumblr.com/login | Update Cancel |

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Seo settings

Meta keyword

Meta Description

The Meta tag is behind-the-scenes in your code, so it isn't visible on your website. The Meta tag is for search engines and other bots. Meta tags include your keywords, page title and your page's description... The Meta title tag is the unique title you give each one of your restaurant website's pages.

Google analytics

Email Templates

| # | Subject | Email Template | Action |
|---|--------------|----------------|--------|
| 1 | registration | _SITE_LOGO_ | |

Welcome to _SITE_TITLE_

Dear _USER_NAME_

You have successfully Registered in _SITE_TITLE_

Your credentials

Email _EMAIL_

Password _PASSWORD_

We are really excited that you decide to try our services, welcome and thank you for the trust!

SMS Gateways

| # | Sms Gateway Name | Is Default | Action |
|---|-------------------|------------|--------|
| 1 | Claekell | Yes | |
| 2 | Nexmo | No | |
| 3 | Pivo | No | |
| 4 | Solutionsinfiniti | No | |
| 5 | Twilio | No | |
| 6 | MSG91 | No | |

Showing 1 to 6 of 6 entries

Master Settings

- Site Settings
- Paypal Settings
- Email Settings
- Social Networks
- Seo settings
- Email Templates
- Sms Gateways
- SMS Templates
- Pusher Notification Settings
- Twinkly settings
- Stripe Cards

Language Settings

Loyalty Points

Referral Settings

Location Master

Subject*: registration

Email Template*:

Welcome to __SITE_TITLE__

Dear __USER_NAME__

Update **Cancel**

Pusher Notification Settings

APP ID*: APP ID

KEY*: KEY

SECRET*: SECRET

Master Settings

- Site Settings
- Paypal Settings
- Email Settings
- Social Networks
- Seo settings
- Email Templates
- Sms Gateways
- SMS Templates
- Pusher Notification

SMS Templates

| # | Subject | SMS Template | Action |
|---|---------------------|--|--------|
| 1 | registration_otp | Your Registration OTP is __OTP__ | |
| 2 | forget_password_otp | Your Forgot Password OTP is __OTP__ | |
| 3 | order_saved | Order No __ORDER_NO__ Total Cost __TOTAL_COST__ | |

Referral Settings

Location Master

Language Settings

Loyalty Points

Menorah
Restaurant

- [Location Master](#)
- [Master Settings](#)
- [Site Settings](#)
- [Paypal Settings](#)
- [Email Settings](#)
- [Social Networks](#)
- [Seo settings](#)
- [Email Templates](#)
- [Sms Gateways](#)
- [SMS Templates](#)
- [Pusher Notification Settings](#)
- [Tinify settings](#)
- [Stripe Cards](#)

View Card Images

| Card Image | Alternative Text | Status | Actions |
|--|------------------|--------|---|
|  | Rupay | Active |   |
|  | Aelo | Active |   |
|  | VISA | Active |   |
|  | Hipercard | Active |   |

Menorah
Restaurant

- [Location Master](#)
- [Master Settings](#)
- [Site Settings](#)
- [Paypal Settings](#)
- [Email Settings](#)
- [Social Networks](#)
- [Seo settings](#)
- [Email Templates](#)
- [Sms Gateways](#)
- [SMS Templates](#)
- [Pusher Notification Settings](#)
- [Tinify settings](#)
- [Stripe Cards](#)

Add Card

| | |
|------------------|--|
| Card image | <input type="file" value="Choose File"/> |
| Alternative Text | <input type="text"/> |
| Status * | <input type="text" value="Active"/> |

[Save](#) [Cancel](#)

Menorah
Restaurant

- [Orders](#)
- [Language Settings](#)
- [Loyalty Points](#)
- [Referral Settings](#)
- [Location Master](#)
- [Master Settings](#)
- [Reports](#)

Date Wise Reports

From Date *

To Date *

SUBMIT

Menorah
Restaurant

- [Referral Settings](#)
- [Location Master](#)
- [Master Settings](#)
- [Reports](#)
- [Date Wise Reports](#)
- [Customer Wise Reports](#)

Customer Wise Reports

Customer *

SUBMIT

Menorah Restaurant

- Master Settings
- Reports**
- Date Wise Reports
- Customer Wise Reports
- Location Wise Reports**
- Item Wise Reports
- Pages
- FAQs

Location Wise Reports

Cities* Locality*

Select Select an Option

Display 10 records per page

| S No | Customer Name | Phone | No Of Items | Order Cost | Booked Date | Payment | Paid Amount |
|----------------------------|---------------|-------|-------------|------------|-------------|---------|-------------|
| No data available in table | | | | | | | |

S No Customer Name Phone No Of Items Order Cost Booked Date Payment Paid Amount

Showing 0 to 0 of 0 entries

Previous Next

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Menorah Restaurant

- Master Settings
- Reports**
- Date Wise Reports
- Customer Wise Reports
- Location Wise Reports**
- Item Wise Reports
- Pages
- FAQs

Location Wise Reports

Cities* Locality*

Select Select an Option

Display 10 records per page

| S No | Customer Name | Phone | No Of Items | Order Cost | Booked Date | Payment | Paid Amount |
|----------------------------|---------------|-------|-------------|------------|-------------|---------|-------------|
| No data available in table | | | | | | | |

S No Customer Name Phone No Of Items Order Cost Booked Date Payment Paid Amount

Showing 0 to 0 of 0 entries

Previous Next

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APP VERSION 1.0.0

VERSION3.0.0

Menorah Restaurant

- Referral Settings
- Location Master
- Master Settings
- Reports**
- Date Wise Reports
- Customer Wise Reports
- Location Wise Reports

Item Wise Reports

Menu* Item*

Select Select an Option

Display 10 records per page

| S No | Customer Name | Phone | No Of Items | Order Cost | Item Cost | Booked Date | Payment | Paid Amount |
|----------------------------|---------------|-------|-------------|------------|-----------|-------------|---------|-------------|
| No data available in table | | | | | | | | |

S No Customer Name Phone No Of Items Order Cost Item Cost Booked Date Payment Paid Amount

Menorah Restaurant

- Customers
- Orders
- Language Settings
- Loyalty Points
- Referral Settings
- Location Master
- Master Settings

View Pages

Display 10 records per page

| Name | Status | Actions |
|--------------|--------|---------|
| About Us | Active | |
| How It Works | Active | |

Activate Deactivate

Search:

FAQs categories

Display 10 records per page

| Category | Status | Actions |
|----------------|--------|---------|
| Billing | Active | |
| Services | Active | |
| Trust & Safety | Active | |
| General | Active | |
| Category | Status | Actions |

Displaying 1 to 4 of 4 records

Add faq category

Category *

Status *

Active

Save Cancel

FAQs

FAQs categories

FAQs

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View FAQs

Display 10 records per page

| Category | Question | Status | Actions |
|----------|---|--------|---------|
| Billing | Demo Bill | Active | |
| General | My Delivered food is not good. How to Report? | Active | |

Offers

Add Faq

Category *

General

Question *

Answer *

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VERSION 3.0.0

Kitchen Manager

View Orders

Display 10 records per page Search:

| S No | Order No | Order Date | Order Time | Order Cost | Customer Name | Phone | Address | Status | Actions |
|------|----------|------------|------------|------------|-----------------------|------------|---|--------------------------|------------------------|
| 1 | 290 | 04-01-2019 | 15:43 | \$315.00 | Gollapalli John Peter | 7569861197 | Plot No 16,Plot No 16,Near HDFC Bank,Hyderabad,500045 | <button>Process</button> | <button>Print</button> |
| 2 | 272 | 10-02-2018 | 16:59 | \$525.00 | Sravanti Ravula | 7852364852 | 1-2-345,1-2-345,Near bus stop,Hyderabad,555432 | <button>Process</button> | <button>Print</button> |
| 3 | 258 | 31-10-2017 | 18:55 PM | \$710.00 | Sal N | 745632152 | 4-67,LK STREET,NEAR BANK,DARKIA,Delhi,7896541 | <button>Process</button> | <button>Print</button> |
| 4 | 254 | 31-10-2017 | 18:53 PM | \$788.00 | Stella Blessy | 7418529635 | 75-6,LK STREET,NEAR BANK,Mind Space,Hyderabad,500081 | <button>Process</button> | <button>Print</button> |
| 5 | 250 | 31-10-2017 | 18:51 PM | \$1150.00 | Michale Dicks | 8585296678 | 78,LK STREET,NEAR BANK,India Gate,Delhi,123456 | <button>Process</button> | <button>Print</button> |
| 6 | 246 | 31-10-2017 | 18:48 PM | \$615.00 | Michale Dicks | 8585296678 | 78,LK STREET,NEAR BANK,India Gate,Delhi,123456 | <button>Process</button> | <button>Print</button> |

Kitchen Manager

View Order

Orders

Order No: 290 Customer Name: Gollapalli John Peter

Order Date: 04-01-2019 Phone: 7569861197

Order Time: 15:43 House Number: Plot No 16

Delivery Cost: \$100.00 Street: Plot No 16

Order Cost: \$215 Landmark: Near HDFC Bank

Paid Amount: Locality:

Is Points Redeemed: No City: Hyderabad

Booked Date: 2019-01-04 10:14:05 Zipcode: 500045

Status: Process Kitchen Manager: Kitchen Manager

Order update

Order Items

| # | Item Name | Option | Item Cost | Item Quantity | Total Cost | Is Deleted |
|---|-------------------|--------|-----------|---------------|------------|------------|
| 1 | Vegetable Biryani | | \$300.00 | 1 | \$300.00 | No |

Order Addons

| # | Item Name | Item Cost | Item Quantity | Total Cost | Is Deleted |
|---|-----------|-----------|---------------|------------|------------|
| 1 | Pepper | \$15.00 | 1 | \$15.00 | No |

Kitchen Manager

View Order

Orders

Order No: 290 Gollapalli John Peter

Order Date: 04-01-2019 7569861197

Order Time: 15:43 Plot No 16

Delivery Cost: \$100.00 Plot No 16

Order Cost: \$215 Near HDFC Bank

Paid Amount: Yes No

Is Points Redeemed: No City: Hyderabad

Booked Date: 2019-01-04 10:14:05 Zipcode: 500045

Delivery Manager

View Orders

Display 10 records per page Search:

| S No | Order No | Order Date | Order Time | Order Cost | Customer Name | Phone | Address | Status | Actions |
|------|----------|------------|------------|------------|---------------|------------|--|--|------------------------|
| 1 | 253 | 31-10-2017 | 18:53 PM | \$750.00 | Stella Blessy | 7418529635 | 75-6,LK STREET,NEAR BANK,Mind Space,Hyderabad,500081 | Out To Deliver | <button>Print</button> |
| 2 | 251 | 31-10-2017 | 18:51 PM | \$349.00 | Michale Dicks | 8585296678 | 78,LK STREET,NEAR BANK,India Gate,Delhi,123456 | Out To Deliver | <button>Print</button> |

Menorah
Halwai

Delivery Manager

Dashboard

Orders

View Order

| | | | |
|---------------------|---------------------|-------------------|------------------|
| Order No: | 253 | Customer Name: | Stella Blessy |
| Order Date: | 31-10-2017 | Phone: | 7418529635 |
| Order Time: | 10:52 PM | House Number: | 75-6 |
| Delivery Cost: | \$150.00 | Street: | LK STREET |
| Order Cost: | \$600 | Landmark: | NEAR BANK |
| Paid Amount: | | Locality: | Mind Space |
| Is Points Redeemed: | No | City: | Hyderabad |
| Booked Date: | 2017-10-31 13:23:22 | Zipcode: | 500081 |
| Status: | Out To Deliver | Delivery Manager: | Delivery Manager |

Order Items

| # | Item Name | Option | Item Cost | Item Quantity | Total Cost | Is Deleted |
|---|------------------|--------|-----------|---------------|------------|------------|
| 1 | Cheese Pepperoni | | \$300.00 | 1 | \$300.00 | No |
| 2 | Peggy Paneer | | \$200.00 | 1 | \$200.00 | No |
| 3 | Country Special | Single | \$100.00 | 1 | \$100.00 | No |

Order update

Menorah
Halwai

Delivery Manager

Update

View Order

Update order status*

| | | | |
|---------------------|---------------------|-------------------|------------------|
| Order No: | 253 | Customer Name: | Stella Blessy |
| Order Date: | 31-10-2017 | Phone: | 7418529635 |
| Order Time: | 10:52 PM | House Number: | 75-6 |
| Delivery Cost: | \$150.00 | Street: | LK STREET |
| Order Cost: | \$600 | Landmark: | NEAR BANK |
| Paid Amount: | | Locality: | Mind Space |
| Is Points Redeemed: | No | City: | Hyderabad |
| Booked Date: | 2017-10-31 13:23:22 | Zipcode: | 500081 |
| Status: | Out To Deliver | Delivery Manager: | Delivery Manager |

Yes **No**

Order Items

| # | Item Name | Option | Item Cost | Item Quantity | Total Cost | Is Deleted |
|---|-----------|--------|-----------|---------------|------------|------------|
|---|-----------|--------|-----------|---------------|------------|------------|

Order update

Chapter 8: Conclusion and Future work

8.1. Discussion:

The online food ordering system project aims to develop a comprehensive platform for food establishments to manage their online presence and streamline their ordering process. The admin panel features enable administrators to create unlimited menu categories, items, addons, and options, as well as manage users, customers, and orders. The system also includes language management, loyalty points, referral settings, and location management. Additionally, it offers various settings for site management, email, PayPal, SMS, SEO, social networks, pusher notifications, and tinify. The frontend boasts a 100% responsive design, easy installation, referral system, dashboard statistics, pusher notifications, SMS alerts, email alerts, social logins, single-page checkout, multilingual FAQs, and well-documented code. The system also includes admin user management, SEO optimization, kitchen manager, delivery manager, reports, and user features such as registration, menu viewing, ordering, and profile management. Overall, this project aims to provide a robust and user-friendly online food ordering system that meets the needs of food establishments and their customers.

8.2. Conclusion

In conclusion, the online food ordering system project is a comprehensive and feature-rich platform that streamlines the online food ordering process for food establishments and their customers. With its powerful admin panel, user-friendly frontend, and robust features, this system provides a seamless and efficient experience for all users. The system's ability to manage unlimited menu categories, items, add-ons, and options, as well as its user management, customer management, and order management capabilities, make it an ideal solution for food establishments of all sizes. Additionally, the system's loyalty points, referral settings, location management, and various settings for site management, email, PayPal, SMS, SEO, social networks, pusher notifications, and tinify, make it a highly customizable and scalable platform. Overall, this project has the potential to revolutionize the online food ordering industry by providing a robust, user-friendly, and efficient solution for food establishments and their customers.

8.3. Limitations

The online food ordering system project has several limitations. One major limitation is its scalability, as it may not be able to handle a large volume of orders and users, leading to

methods, and analytics and reporting. Finally, the system's reliance on jQuery Calendar and Pusher Notifications may be a limitation if these services are discontinued or experience issues.

8.4. Future work

Future work on this online restaurant reservation system project could include:

- Integrating with third-party POS systems and restaurant management software
- Developing a mobile app for customers and delivery managers
- Adding advanced order management features like table management and server assignment
- Implementing multi-currency and multi-language support for global expansion
- Enhancing the loyalty points system with more rewards and redemption options
- Integrating with popular food delivery services like UberEats, GrubHub, and DoorDash
- Adding support for online ordering and payment for catering services
- Developing a customer feedback and review system
- Enhancing the reporting and analytics features with more detailed sales and customer insights
- Implementing a robust security framework to protect sensitive customer data
- Adding support for multiple payment gateways and online payment methods
- Developing a kitchen display system for real-time order management
- Integrating with popular social media platforms for social login and sharing features.

2. "Food Ordering System: A Review" by International Journal of Scientific Research in Computer Science and Engineering (IJSRCSE)
3. "Design and Implementation of Online Food Ordering System" by International Journal of Advanced Research in Computer Science (IJARCS)
4. "Online Food Ordering System: A Case Study" by Journal of Management and Technology (JMT)
5. "Food Ordering System Using Mobile App" by International Journal of Engineering Research and Applications (IJERA)
6. "Online Food Ordering and Delivery System" by International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET)
7. "Design and Development of Online Food Ordering System" by International Journal of Computer Applications (IJCA)
8. "Food Ordering System: A Survey" by International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE)
9. "Online Food Ordering System with Customer Loyalty Program" by International Journal of Engineering and Management Research (IJEMR)

