SRS REPORT

Project Title- Hotel Oye Shawa Billing Software

Introduction

Abstract of the project

Restaurant billing software is a specialized computer application designed to streamline and automate the billing and invoicing processes within the foodservice industry. It serves as a fundamental tool for restaurants, cafes, and other dining establishments to efficiently manage financial transactions and provide accurate billing information to their customers. The primary objective of restaurant billing software is to improve operational efficiency, accuracy, and customer satisfaction while reducing manual efforts and errors associated with traditional billing methods.

Scope of the Project

The scope of restaurant billing software is broad and encompasses various aspects of streamlining and enhancing the billing process within the foodservice industry. Here are some key aspects that fall under the scope of restaurant billing software:

1.Order Management: The software should handle the efficient management of customer orders, including item selection, customization, and special requests. It should allow staff to input and process orders accurately and prompt

2.Menu and Pricing Management: The software should enable easy updating and management of menus and pricing. It should allow restaurant owners or managers to add, edit, or remove items and adjust prices as needed.

3.Invoicing and Receipt Generation: The software should generate itemized invoices and receipts for customers, providing a clear breakdown of charges, taxes, and tips.

4.Payment Processing: The software should support various payment methods, including cash, credit cards, debit cards, mobile payments, and digital wallets. It should ensure secure and smooth transactions for customers.

5.Split Billing: The software should offer the capability to split bills among multiple customers or groups, making it convenient for guests dining together.

6.Tax and Tip Calculation: The software should handle tax calculations based on applicable tax rates and automate tip calculation options for customers.

7.Reporting and Analytics: The software should provide comprehensive financial reports and analytics to help restaurant management analyze sales data, revenue trends, popular dishes, and other key performance indicators.

8.Table Management: Some restaurant billing software may include table management features, enabling staff to efficiently manage reservations, table assignments, and seating arrangements.

9.Inventory Management (optional): Advanced restaurant billing software may include inventory management capabilities to track stock levels, manage ingredient usage, and facilitate reordering of supplies

10.Security and Compliance: The software should prioritize data security and compliance with relevant regulations, especially concerning payment processing and customer data protection.

HARDWARE AND SOFTWARE REQUIREMENTS

➢ HARDWARE REQUIREMENTS :

- **RAM** **:** Min 4 GB or 8 GB
- **CPU** **:**2 GHz or faster
- **Processor** **:** Processor – Intel Atom or higher, AMD

➢ SOFTWARE REQUIREMENTS :

- **Coding Language** : HTML5, CSS, JS, and Php,
- **Framwork** : JQERY,Boostrap,VUE.JS
- **Database** : MySQL
- **Code Editor** : Visual Studio

➢ SERVER REQUIREMENTS :

- 5 GB SSD Storage
- 1 vCPU Core
- 4 GB RAM
- 1 TB Bandwidth
- Dedicated IP Address
- Full Root Access

DEVELOPMENT

Modules :

1 Admin/Manager

-Admin and Manager can operate all over software and modules

***Login**	If Admin fill in all credentials ,he successfully login to dashboard
	Login fields-
	1. Username
	2. Password
	3. Login button
***Dashboard-**	

Menu Master	Fields-
	Item Code , Menu Name , Price, AC Price , Submit button ,
	Edit and Delete button ,Search button,Previous and Next button
Table Master	Fields-
	Table No. , Captain Name ,Item No., Item Name,Qty, Price , Total ,
	Add button
	Admin has access Shift Item ,Shift Tables ,Merge Tables
	Admin can see Running tables
Parcel Master	Fields-
	Parcel No. ,Item No., Item Name , Qty, Price , Total , Add button
Add Tables-	Fields-
	Table name ,Select table AC/Non AC/ Non Chargeable ,Submite
	button ,Search button ,Delete and Edit button , Previous and Next
	button
Kitchen KOT-	Showing Running Tables and KOT'S
Store Inventory	1.Create Product fields -
	Create New Category, Select CategoryName of product , Item Unit,Tax of
	Product, Submit Button,Edit Button.
	2. Purchase Inventory fields-
	Select Catogory, Product Name ,Item Unit,Item QTY , Price Per Unit,
	Add Button ,Stock List
	3.Kitchen Inventory fields-
	Product Name, Product quantity ,Product Unit ,Kitchen Qty, Remain Qty,
	Given Date,Kitchen Stock list ,Add and View button.

	4.Beverages sale -
	Name ,Qty, Unit,Sale Qty, Remain Qty, Sale Date,Sale button
	Beverages Sale list
	4.View Stock fields-
	Select Category, Stock list
	5. Pruchase Record-
	Id ,Bill No. ,Vendor Name , Purchase Date, Gross amount , Total amount
	Tax,Paid amount , View Item button.
	6. Vendor Registration-
	Vendor Name , GST No.,FSSAI No.,Mobile Number, Vendor Address, Register
	button , Vendors List, Edit button.
	7. Vendor Payment Details-
	Id No., Vendor Name , Mobile No., Total amount , Paid amount ,
	Discount amount , Pending amount, Search Field .
	8. Individual Vendor Payment-
	Select Vendor , Payment list.
Employee	Registration fields-
	Select User (Captain , STW , Manager),Employee ID , Employee Name
	Submit button.
	Employee Details-
	Employee ID ,Employee Name ,Type ,User Name ,Password ,Search and
	Delete button , Previous and Next button
Reports Master	
Single Bill	Fields-
	Bill No., Grand Total , Net Total , Payment Mode , Search button
	Previous and Next button , Double clicks on single bill prints the bill
2.Bill Datewise	Fields-

	Bill date , Bill No.,Grand amount , Discount ,GST , Net Payment
	Payment mode ,Total bill, Total Amount, From date , to date ,
	View button ,Print button , Search button , Previous and Next button
3.Bill Monthwise	Fields-
	Bill date ,Basic amount , Discount, CGST ,SGST, Total bill amount
	From date ,To date , Print button ,View buton ,Search button ,Previous
	and Next button
4.Menu Master Records	Fields-
	Sl.No., Item Name , Price , AC Price , Print button , Search button
	Previous and Next button
5.Item wise Report	Fields-
	Item Name ,Total Qty, Total amount ,From date.To date , View button
	Print button ,Previous and Next button ,Search button
6.Day Clculation	Fields-
	Bill No., Basic amount , CGST ,SGST , Round off(-) , Round off(+), Total
	bill amount , Date , Print button , search button , View button , Next
	and Previous button
7.NC Single bill	Fields-
	Bill No., Date , Grand total , Net total, Search button , Previous and
	Next button
8.NC Item wise Reports	Fields-
	Item Name ,Total Qty , Print button , from date ,To date , search button
	View button
9. Captain Report	Fields-

	Sl.No.,Captain Name , Captain Sale , From date , To date , Print button
	View button , Search button, Total amount
10.Payments	Fields-
	Bill No., Discount , Discount amount ,Bill amount , Payment ,Total discount
	Total bill amount ,Date , Payment mode , View button , Print button ,
	Previous button nd Next button ,Search button
KOT Cancelled	Fields-
	Sl. No. , KOT No., Item Name ,Item No. Date, Table No, Search button
	Previous and Next button
Change Password	Fields-
	Enter Password , Create Password , Confirm Password ,Submit button ,
	Reset button .
Logout	Admin / Manager can successfully logout

2 Waiter

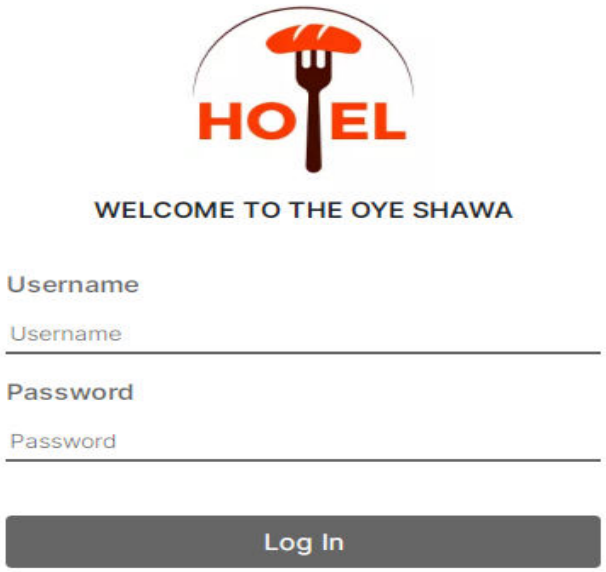
Waiter can operate only Table Master and Parcel Master

***Login**	If Waiter fill in all credentials ,he successfully login to dashboard
	Login fields-
	1. Username
	2. Password
	3. Login button
Table Master	Fields-
	Table No. , Captain Name ,Item No., Item Name,Qty, Price , Total ,
	Add button
	Waiter has access Shift Item ,Shift Tables ,Merge Tables
	Waiter can see Running tables

Parcel Master	Fields-
	Parcel No. ,Item No., Item Name , Qty, Price , Total , Add button
Logout	Waiter can successfully logout

User Interface Design

Login Page



Home Page-

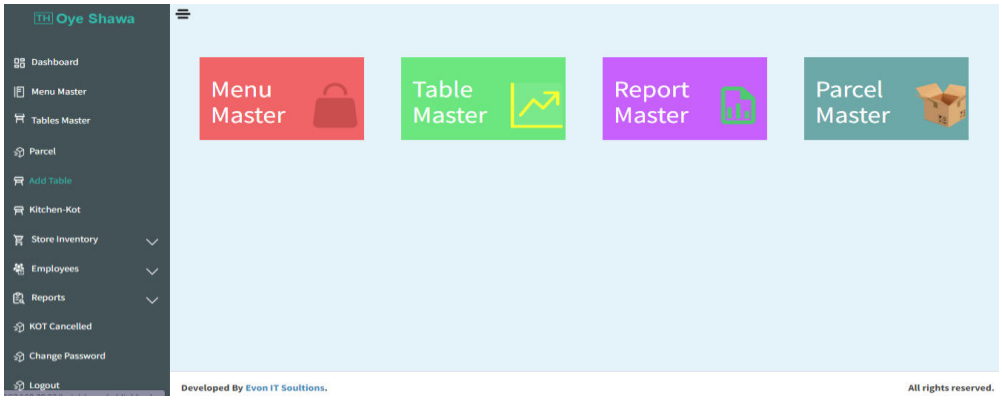
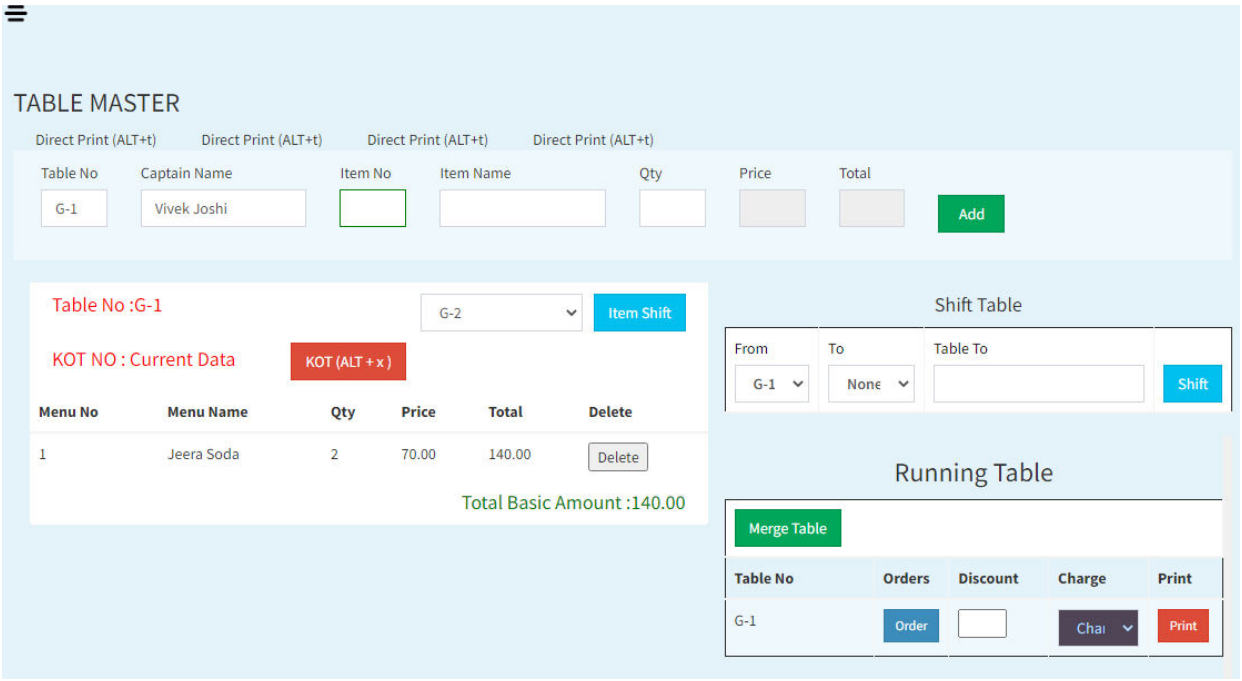
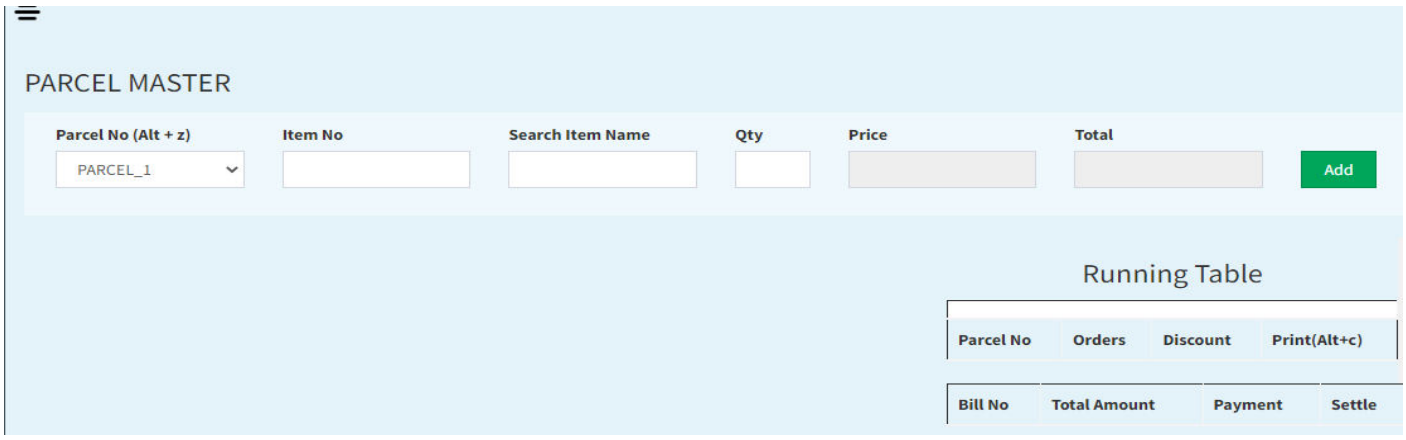


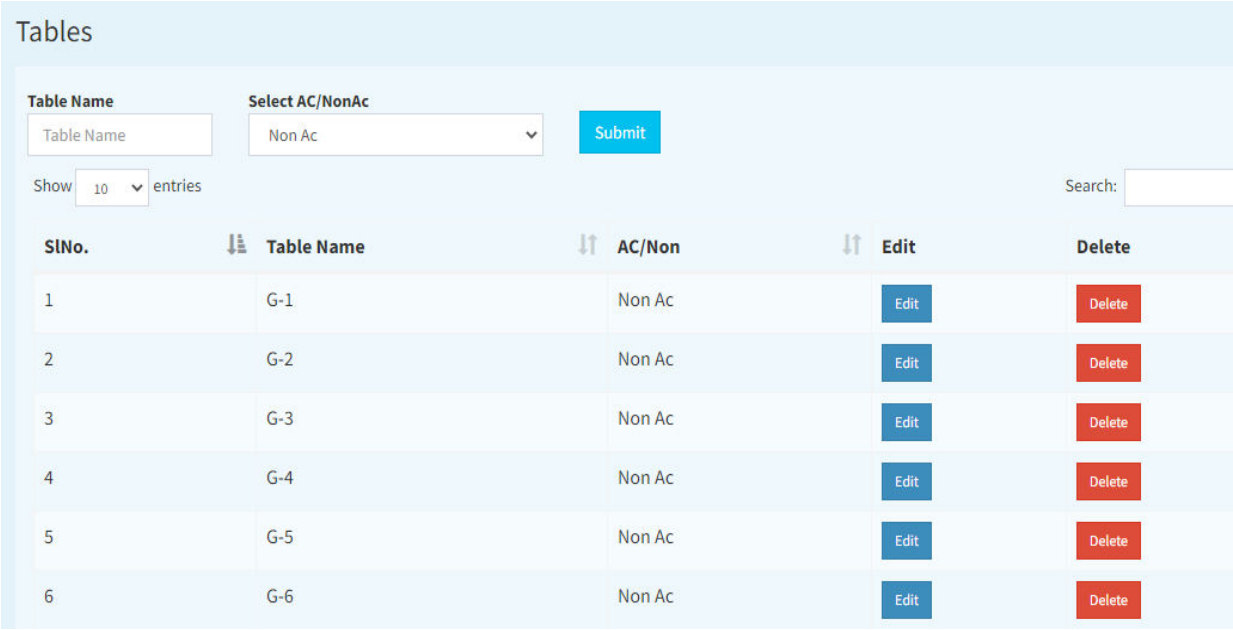
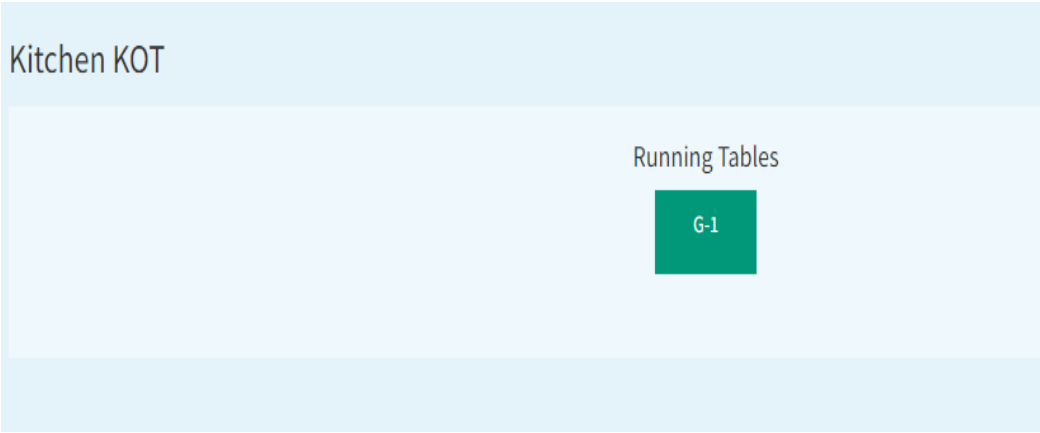
Table Master



Parcel Master



Add Table



Kitchen KOT