Features List

1. Schedule Menu

* The owner can schedule the menu and card design

1. Online Ordering System through table

* Customers can order food from the website and pay with cash/UPI

1. Menu Editing By Owner (The owner can add or remove items and edit prices)

* Enable, add, disable, edit, and delete current items from the menu

1. Analytics (How much order through the day)

* Total Sales Today / This Week / This Month
* Number of Orders (Dine-in, Takeaway, Delivery)
* Menu edit
* Average Order Value (AOV)
* Customer Reviews
* Table Occupancy Rate (for dine-in)
* Inventory Status (Low Stock Alerts)
* Coupon dashboard
* Bill/invoice printing

 Top-Selling Dishes

 Least-Selling Dishes

 Sales by Category (Drinks, Appetizers, Mains, Desserts)

 Payment Methods Breakdown (Cash, Card, UPI, etc.)

1. Hindi, English & Bengali languages toggle

* Toggle between languages

1. Inventory management

* Add edit delete and update inventory items

1. Customer Feedback

* Add review after the payment process

1. AI Chabot

* Estimate order delivery time
* Ask AI what to eat
* AI-based games in the middle of the order (QUIZ to get discounts)

DB schema

***M-Restaurant***

Slno (Primary Key)

Name

Password

CompanyID

LastLogin

Delflag

Recordinsertdate

Totaltables

BankAccountNumber

IFSCcode

GSTNumber

Address

PhoneNumber

Email

***M-Menu***

Slno (Primary Key)

ItemName

ItemCode

ItemStatus

ItemPrice

Delflag

Category

Recordinsertdate

Effectivefromdate

***M-Orders***

Slno (Primary Key)

TableNumber

CompanyID

ItemsName

ItemsCode

ItemsPrice

Delflag

PaymentStatus

PaymentMode

Dateandtime

ProcessStatus

***M-CustomerReview***

Slno (Primary Key)

TableNumber

CompanyID

Delflag

Dateandtime

Message

Stars

***M-Inventory***

Slno (Primary Key)

Itemname

Price

Quantity

ItemCode

CompanyID

Delflag

RecordInsertDate

RecordUpdateTime

***T-Alert***

Slno (Primary Key)

Name

Description

Status

Priority

Dataandtime

Delflag

CompanyID

***T-Coupon***

Slno (Primary Key)

Description

Amount

CompanyID

Expdate

Delflag

***T-Bill***

Slno (Primary Key)

Name

CompanyID

Address

Phone

Email

GstNumber

PaymentMode

Items

Price

BillNO

Persons

Date/Time

Delflag

***T-transactionAudit***

SlNo(Primary Key)

Operation

Date/Time

CompanyID

TableImpacted

Description

Delflag

Additional archival tables must be created to remove all 6 months old data.

*API Details*

1. Login

Take email id and password then start session with JWT token

1. Register

Take all data in m\_restaurant table as request and return true/false in response

1. CRU for m\_menu, m\_order, *M-CustomerReview,*M-Inventory, T-Bill, T-Coupon, T-Alert
2. Add back details

Update/add m\_restaurant table under the mentioned company ID

1. Audit table for transaction, T-transactionAudit
2. API to toggle different language (frontend)
3. API to calculate total sales from m\_order table. Date range should be provided as request(today, week, and month)
4. API to calculate AOV
5. API to calculate table occupancy rate
6. API to display top/least selling dish
7. Online payment gateway through API
8. API to calculate/filter sales by category

*API Request and Response*

Will update it in a parallel manner while coding

Login

<http://localhost:8080/restaurant/login>

{

"email":"fergusdaw2000@gmail.com",

"pswd":"123456"

}

{ "Status": "Success", "Message": "Login Success" }

Register

{

"userName": "Adarsh",

"pswd": "69",

"companyId": "3",

"email": "adarsh@example.com",

"totalTables": "10",

"ifscCode": "ABC123456",

"gstNumber": "GSTIN12345XYZ",

"address": "123, Sample Street, City, Country",

"phoneNumber": "1234567890"

}