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Inspiring Excellence

# CSE471 : System Analysis and Design
# Project Report
# Project Title : Restaurant Management

| Group No : 07, CSE471 Lab Section : 06, Fall 2023 | |
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# Introduction

The "Restaurant Management" project is a comprehensive application developed using the MERN (MongoDB, Express, React, Node.js) stack. This project aims to streamline the operations of a restaurant by offering features such as table management, account handling, Product Order, and admin panel. With a user-friendly interface built using React, the project provides an intuitive experience for both restaurants and customers. The integration of MongoDB ensures a robust and scalable database solution, while Node.js and Express facilitate efficient server-side operations, making the "Restaurant Management" project a powerful tool for modern restaurant management.

# Functional Requirements

Module 1

1. Account creation
2. Account edit
3. Login and logout
4. Authentication (2FA)

Module 2

5. Add to cart
6. Order
7. Wishlist
8. QR code scan to show the menu
9. Add food menu
10. Set the status of the order

Module 3

11. Selling report
12. Order management
13. Add new Restaurant
14. Edit all profile
15. Able to change the restaurant logo
16. Can active and deactivate a restaurant account

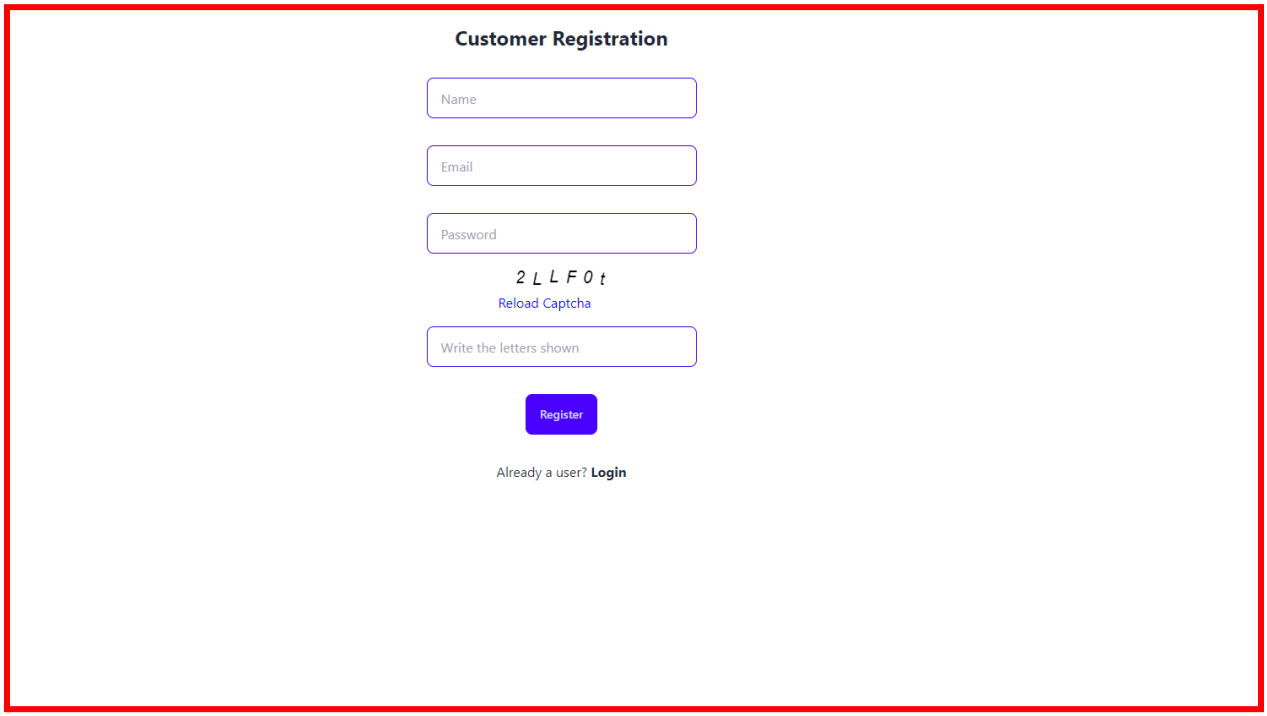
Module 4

17. Manage/show wifi password
18. Customers can see the status of the order
19. When ordering customers can see available tables
20. Add tables

# User Manual

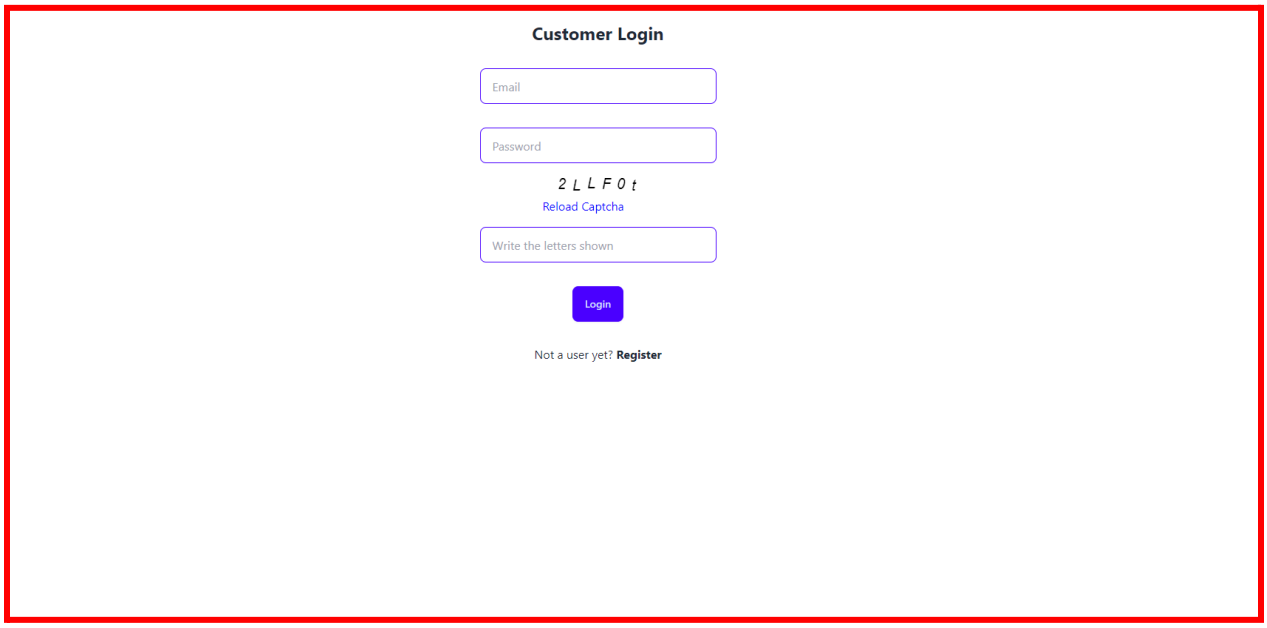
## Account Creation and login

<>Customer account creation



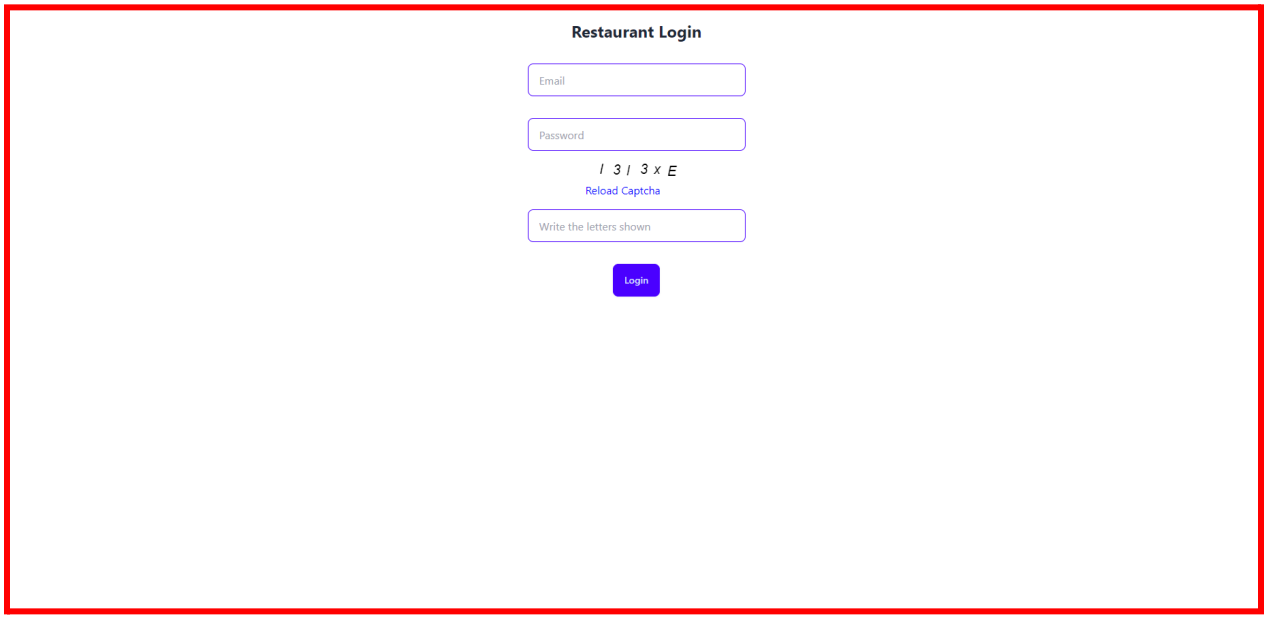

Here the customer can create a profile by providing the necessary information.

<>Cuslomer Login




Here the customer can log in if they have already created an account.

<> Restaurant Login




This is the login page for the restaurant staff. The email and password will be given by the admin.

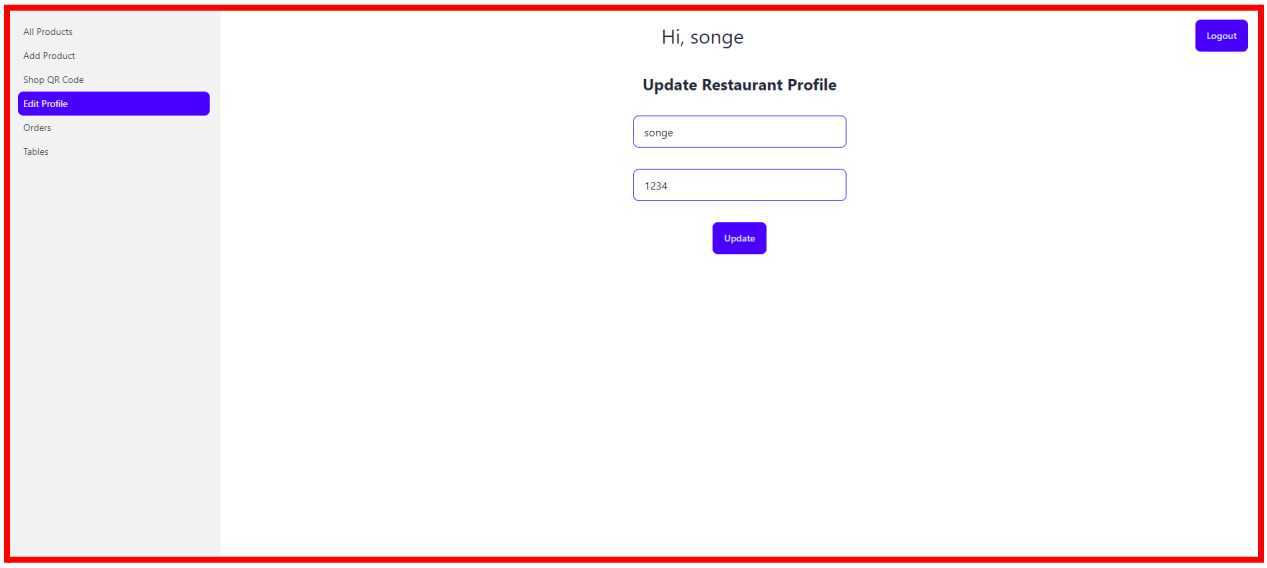
<> Admin Login


This is the admin login panel.

<>Authentication (2FA)

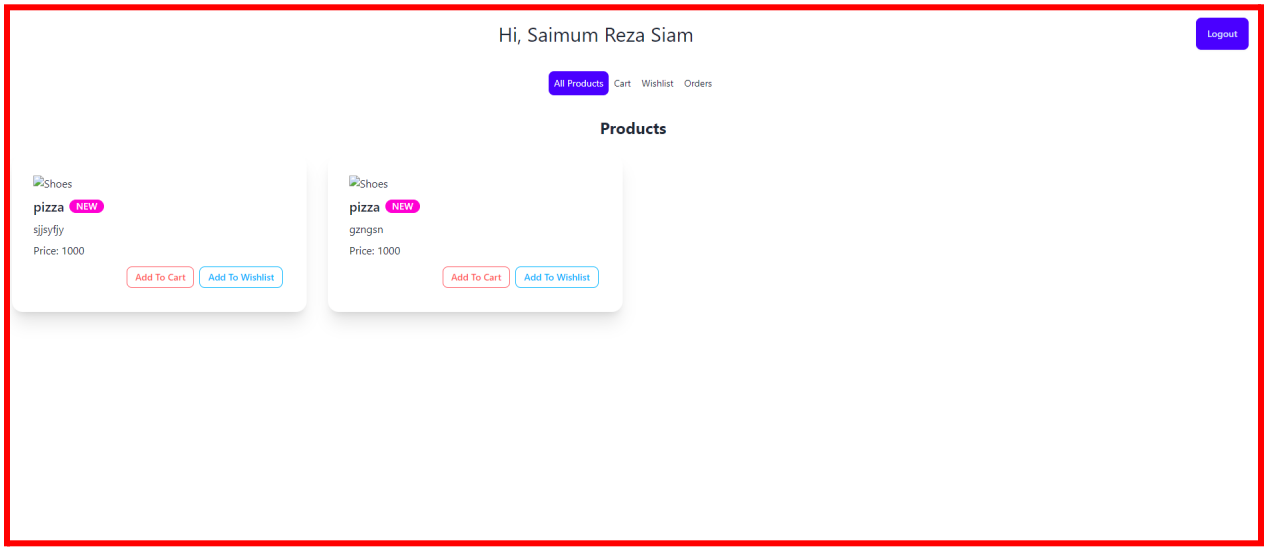

This is the authentication panel which will appear during login and registration.

<>.Restaurant account edit

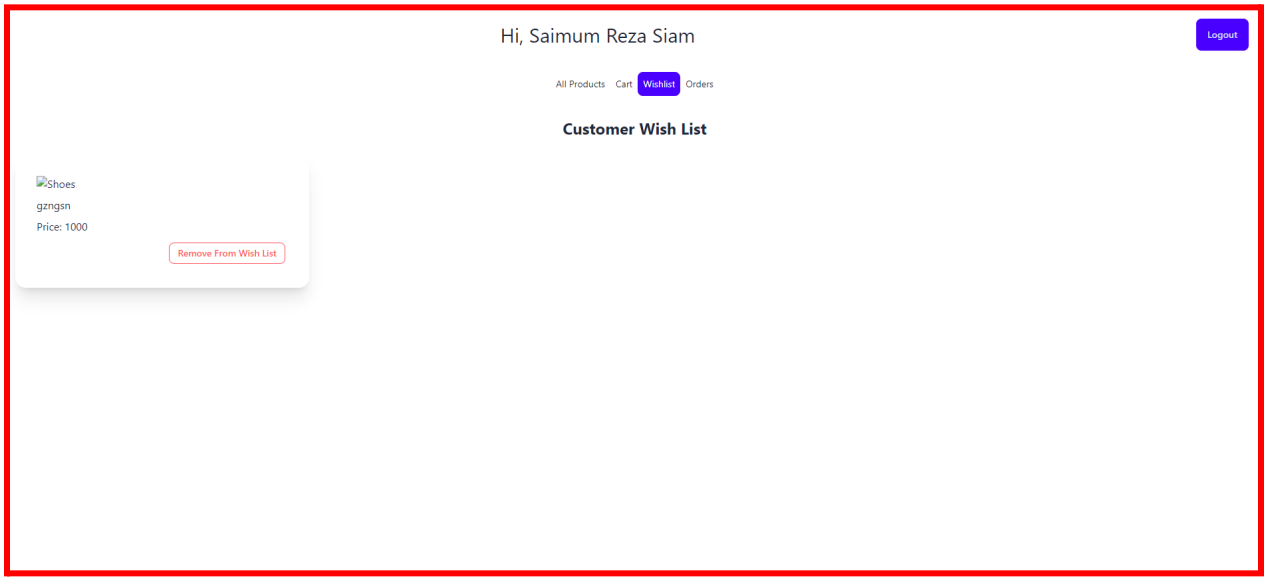



Here the restaurant can edit their restaurant name and also change their wifi password.

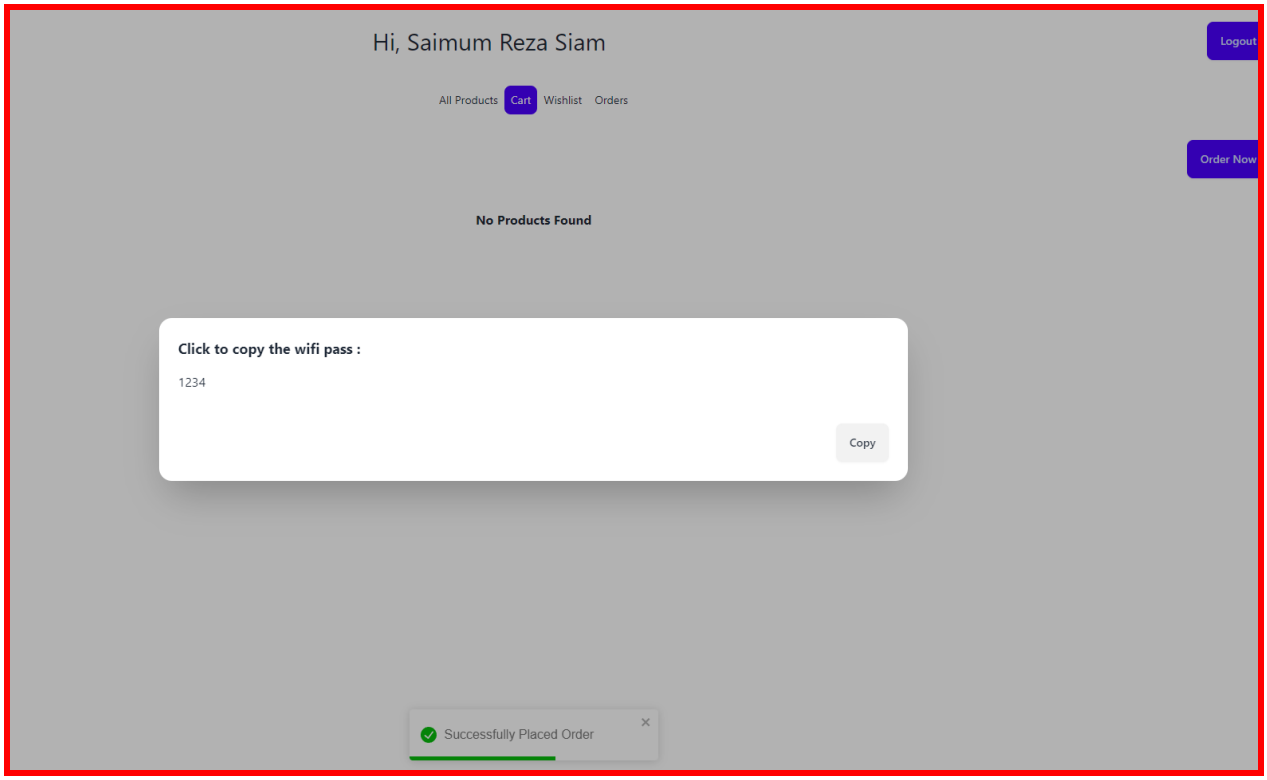
<>Add to cart and Order and Wishlist



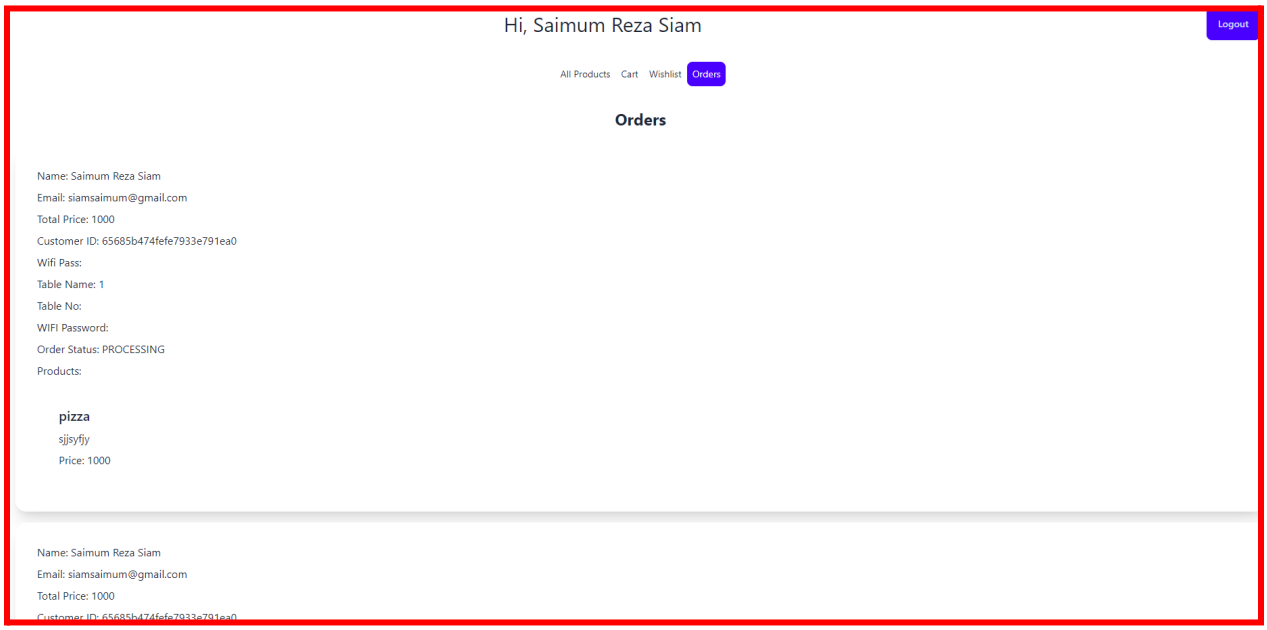

This is the customer dashboard where they can see the available food in that restaurant. They can add food to cart or wishlist them.


These are the cart and wishlist. In cart customer can select the available seat and then press order.




After putting an order, the customer will be given the wifi password. They can copy it and thus use it.

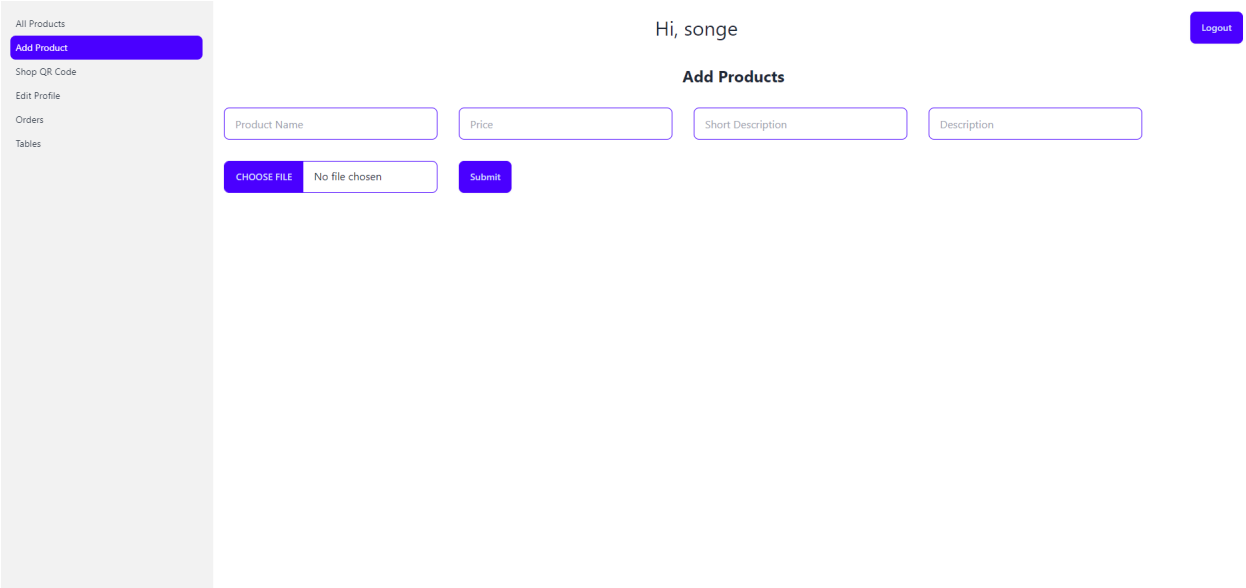



This here is the order log of customer. Here they can see the status of order.

<>QR code scan

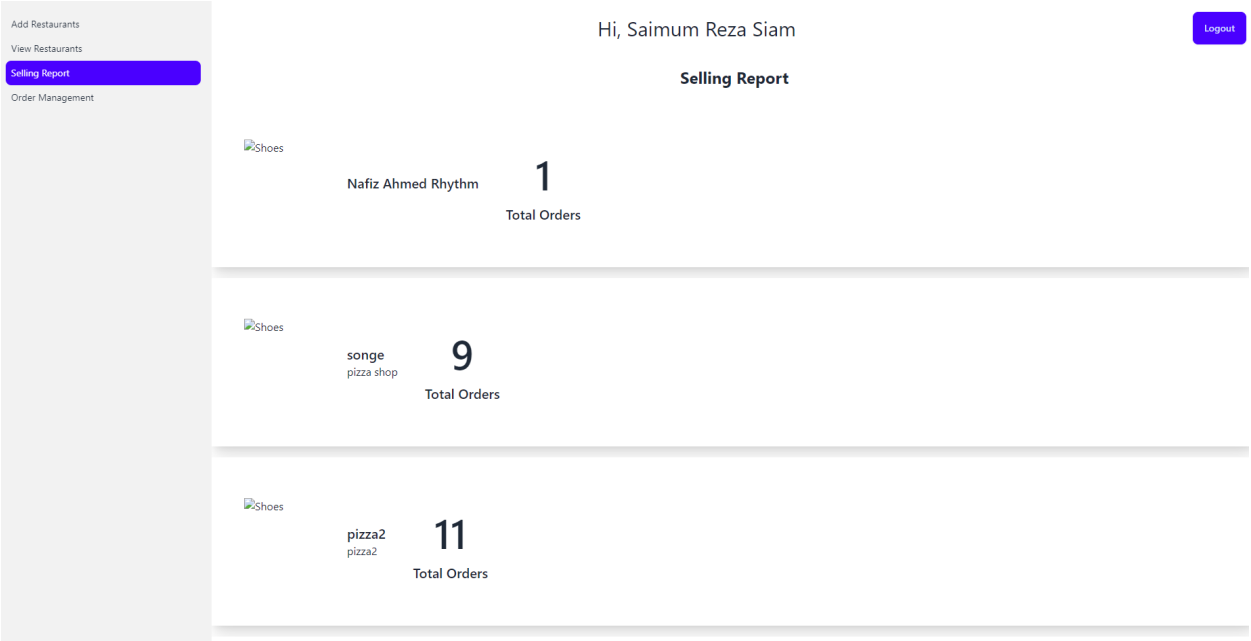

By using this QR code, the customer will be redirected to the menu page.

<>Add food menu



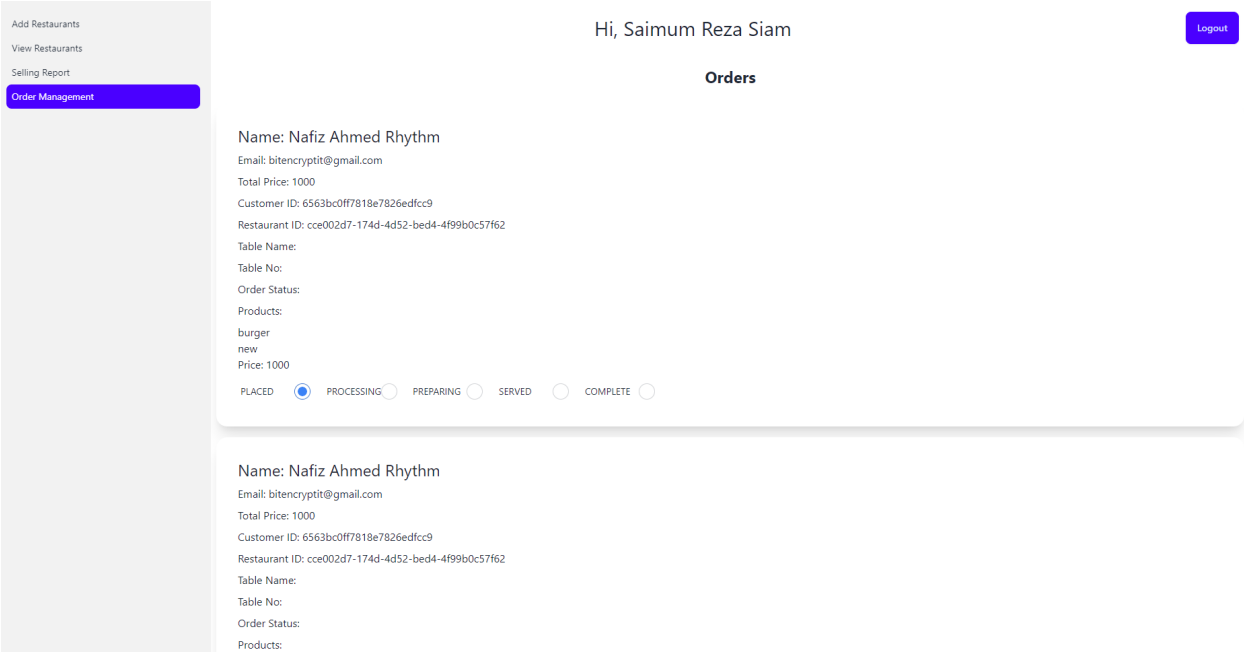

Here restaurants can add food items to their menu.

## <>Selling report



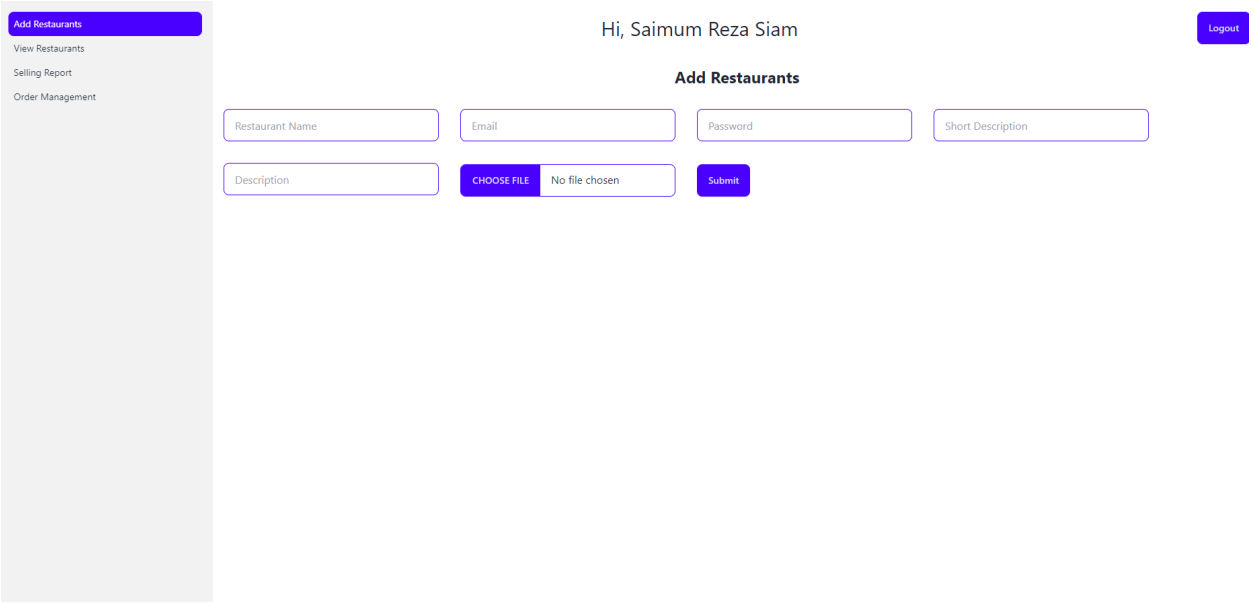

This here is the selling report where the admin can see how much sell occurred.

## <>Order management



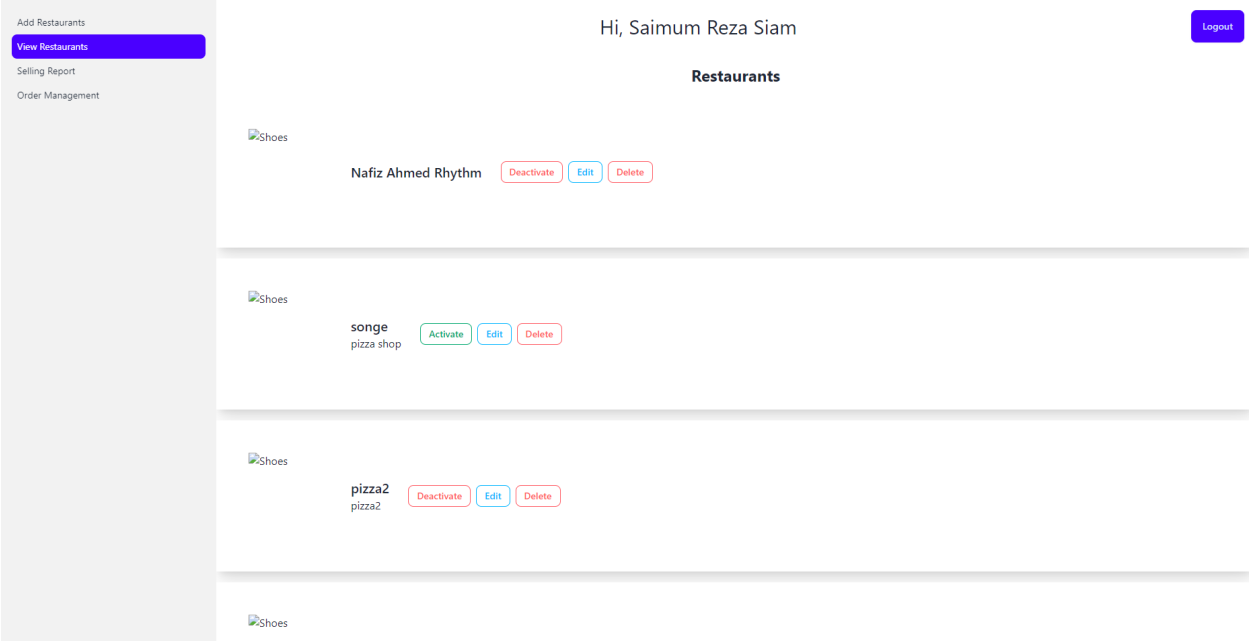

Here the admin can see the order report and the status.

<>Add new Restaurant



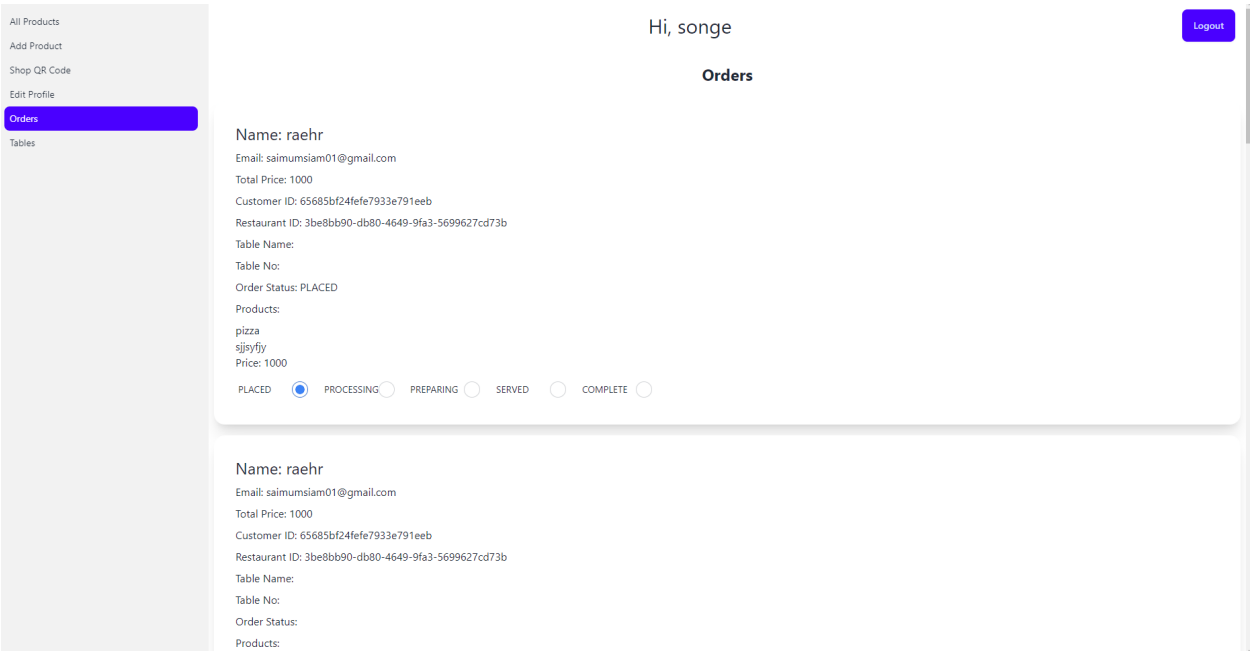

The admin can add new restaurants with this panel.

<>Can active and deactivate a restaurant account




The admin can activate or deactivate a restaurant from this panel. They Can also edit and delete a restaurant from this panel.

## <>Set status of order




Here the restaurant can set the status of food. If they tap complete, that table will become available.

## <>Add/remove tables


Here the restaurant can add or remove tables.

# Frontend & Backend Development

## Login/Register

Frontend:

```
return (
    <div className='flex flex-col items-center justify-center'>

        <h1 className="m-4 text-2xl text-center font-bold">{
            _isAdmin ?
                "Admin Panel" :
                _isCustomer ?
                    isLogin ? "Customer Login" : "Customer Registration" :
                    "Restaurant Login"
        }</h1>

        {!isLogin ?
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder={_isCustomer || _isAdmin ? `Name` : `Restaurant Name`}
                name="name"
                value={formData.name}
                onChange={handleInputChange}
            /> : null
        }

        <input
            className="input m-4 input-bordered input-primary w-full max-w-xs"
            type="text"
            placeholder="Email"
            name="email"
            value={formData.email}
            onChange={handleInputChange}
        />

        <input
            className="input m-4 input-bordered input-primary w-full max-w-xs"
            type="text"
            placeholder="Password"
            name="password"
            value={formData.password}
            onChange={handleInputChange}
        />

        <LoadCanvasTemplate />

        <input
            className="input m-4 input-bordered input-primary w-full max-w-xs"
            type="text"
            placeholder="Write the letters shown"
            name="captcha"
            value={formData.captcha}
            onChange={handleInputChange}
        />

        <button className="btn m-4 btn-primary" onClick={handleSubmit}>{isLogin ? "Login" :
        <button className="m-4" onClick={() => {
            setIsLogin(!isLogin);
        }}>
            {_isCustomer ?
                !isLogin ?
```

Admin Backend:

```
router.post('/login-admin', async (req, res) => {
    await mongoConnect();
    try {
        const { email, password } = req.body;
        var restaurant = await Admin.findOne({ email: email });
        if (restaurant) {
            if (restaurant.password == password) {
                res.status(201).json(restaurant);
                return;
            } else {
                res.status(403).json({ "message": "Wrong Password" });
                return;
            }
        } else {
            res.status(403).json({ "message": "Not signed up" });
            return;
        }
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error logging in' });
        return;
    }
});
```

# Customer Backend:

```
});

// Handling POST request for logging in consumersc
router.post('/login-consumer', async (req, res) => {
    await mongoConnect();
    try {
        const { email, password } = req.body;
        var restaurant = await Customer.findOne({ email: email });
        if (restaurant) {
            if (restaurant.password == password) {
                res.status(201).json(restaurant);
                return;
            } else {
                res.status(403).json({ "message": "Wrong Password" });
                return;
            }
        } else {
            res.status(403).json({ "message": "Not signed up" });
            return;
        }
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error logging in' });
        return;
    }
});

// Handling POST request for signing up consumers
router.post('/signup-consumer', async (req, res) => {
    await mongoConnect();
    try {
        const { name, email, password } = req.body;
        var restaurant = await Customer.findOne({ email: email });
        if (restaurant) {
            res.status(403).json({ "message": "Already Registered. Please Login." });
            return;
        } else {
            const idName = uuidv4();
            restaurant = new Customer({
                name: name,
                email: email,
                password: password,
                restaurantId: idName,
            });
            await restaurant.save();
            res.status(201).json(restaurant);
            return;
        }
    } catch (error) {
        console.log(error);
        res.status(403).json({ message: 'Error signing up' });
        return;
    }
});

// Handling POST request for getting consumers profiles
router.post('/profile-consumer', async (req, res) => {
```

# Restaurant Management

## Add Restaurant

## Frontend:

src > components > admin > AddRestaurant.jsx > AddRestaurant > handleSubmit

```python
import React, { useRef, useState } from 'react';
import { toast } from 'react-toastify';
import { addRestaurant } from '../../services/apiService';


const AddRestaurant = () => {

    const filePickerRef = useRef(null);

    const [formData, setFormData] = useState({
        name: '',
        email: '',
        password: '',
        imageFile: null,
        shortDescription: '',
        description: ''
    });

    const handleInputChange = (e) => {
        setFormData({ ...formData, [e.target.name]: e.target.value });
    };

    const handleFileChange = (e) => {
        setFormData({ ...formData, imageFile: e.target.files[0] });
    };

    const handleSubmit = async (e) => {
        e.preventDefault();
        if (formData.name == "" || formData.price == "" || formData.imageFile == null) {
            toast.error("Name, Price and Image Cannot Be Empty");
            return;
        }
        try {
            const response = await addRestaurant(
                formData.name,
                formData.email,
                formData.password,
                formData.imageFile,
                formData.shortDescription,
                formData.description,
            );
            if (response.data) {
                setFormData({
                    name: '',
                    email: '',
                    password: '',
                    imageFile: null,
                    shortDescription: '',
                    description: ''
                });
                filePickerRef.current.value = null;
                toast.success("Successfully added restaurant.");
            } else {
                toast.error("Failed to add restaurant.");
            }
        } catch (error) {
            toast.error("Failed to add product.");
            console.error('Error creating product:', error);
```

```
    return (
        <form onSubmit={handleSubmit}>
            <h1 className="m-4 text-2xl text-center font-bold">Add Restaurants</h1>
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder="Restaurant Name"
                name="name"
                value={formData.name}
                onChange={handleInputChange}
            />
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder="Email"
                name="email"
                value={formData.email}
                onChange={handleInputChange}
            />
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder="Password"
                name="password"
                value={formData.password}
                onChange={handleInputChange}
            />
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder="Short Description"
                name="shortDescription"
                value={formData.shortDescription}
                onChange={handleInputChange}
            />
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder="Description"
                name="description"
                value={formData.description}
                onChange={handleInputChange}
            />
            <input ref={filePickerRef} className="file-input m-4 file-input-bordered file-inpu
            <button className="btn m-4 btn-primary" type="submit">Submit</button>
        </form>
    );
};

export default AddRestaurant;
```

# Backend:

```
// Handling POST request for adding restaurants
router.post('/add-restaurant', upload.single('imageFile'), async (req, res) => {
    await mongoConnect();
    try {
        const { name, email, password, shortDescription, description } = req.body;
        var imagePath = req.file.filename; // Path to the uploaded file

        var restaurantId = uuidv4();

        const newProduct = new Restaurant({
            name,
            email,
            password,
            restaurantId,
            imagePath,
            shortDescription,
            description,
            isActive: true,
        });

        await newProduct.save();

        res.status(201).json(newProduct);
        return;
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error creating product' });
        return;
    }
});
```

## Manage Restaurant

## Frontend:

```
import React, { useRef, useState } from 'react';
import { useDispatch, useSelector } from 'react-redux';
import { toast } from 'react-toastify';
import { FILES_BASE_URL } from '../../utils/constants';
import { activeOrInactiveRest, deleteRestaurant, updateRestaurant } from '../../services/apiSe
import { setRestaurantsData } from '../../redux/homeSlice';

const getProducts = state => state.home.products;
const getRestaurants = state => state.home.restaurants;
const getIsConsumer = state => state.auth.isCustomer;
const getUserData = state => state.auth;

const Restaurants = () => {
    const dispatch = useDispatch();

    const products = useSelector(getProducts);
    const restaurants = useSelector(getRestaurants);
    const isConsumer = useSelector(getIsConsumer);
    const userData = useSelector(getUserData);

    const [formData, setFormData] = useState(null);
    const filePickerRef = useRef(null);

    const handleInputChange = (e) => {
        setFormData({ ...formData, [e.target.name]: e.target.value });
    };

    const handleFileChange = (e) => {
        setFormData({ ...formData, imageFile: e.target.files[0] });
    };

    const handleSubmit = async (e) => {
        e.preventDefault();
        if (formData.name == "" || formData.price == "") {
            toast.error("Name, Price and Image Cannot Be Empty");
            return;
        }
        try {
            const response = await updateRestaurant(
                formData._id,
                formData.name,
                formData.email,
                formData.password,
                formData.imageFile,
                formData.shortDescription,
                formData.description,
            );
            if (response.data) {
                dispatch(setRestaurantsData(response.data));
                setFormData(null);
                toast.success("Successfully saved restaurant.");
            } else {
                toast.error("Failed to add restaurant.");
            }
        } catch (error) {
            toast.error("Failed to add product.");
            console.error('Error creating product:', error);
        }
```

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```
l h-full'>
l text-2xl text-center font-bold'>Restaurants</h2>
:h != 0 ?
='space-y-4'>
ıts.map((product) => (
:y={product._id} className="bg-base-100 shadow-xl p-4">
lıv className="card-body flex flex-row items-center">
    <figure>
        <img className='w-32 h-32' src={`${FILES_BASE_URL}/${product.imagePath}`} alt="Shoes" />
    </figure>
    <div className='flex flex-col m-4'>
        <h2 className="card-title">
            {product.name}
        </h2>
        <p>{product.shortDescription}</p>
    </div>
    {isConsumer ?
        <div className="flex justify-end">
            <button
                onClick={async (c_event) => {
                    c_event.preventDefault();
                    // Add To Cart logic
                }}
                className="m-1 btn btn-sm btn-outline btn-error">Add To Cart</button>
            <button
                onClick={async (c_event) => {
                    c_event.preventDefault();
                    // Add To Wishlist logic
                }}
                className="m-1 btn btn-sm btn-outline btn-info"> Add To Wishlist</button>
        </div> :
        <div className="flex justify-end">
            <button
                onClick={async (c_event) => {
                    c_event.preventDefault();
                    var resp = await activeOrInactiveRest(product._id);
                    if (resp) {
                        dispatch(setRestaurantsData(resp.data));
                        // toast.success("Success");
                    } else {
                        toast.error("Failed to delete");
                    }
                }}
                className={product.isActive ? "m-1 btn btn-sm btn-outline btn-error" :
                    "m-1 btn btn-sm btn-outline btn-success"}>
                {product.isActive ? "Deactivate" : "Activate"}</button>
            <button
                onClick={async (c_event) => {
                    c_event.preventDefault();
                    setFormData(product);
                }}
                className="m-1 btn btn-sm btn-outline btn-info">Edit</button>
            <button
                onClick={async (c_event) => {
                    c_event.preventDefault();
                    // Delete logic
```

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## Edit Restaurant

## Frontend:

```
            <div className="w-full h-1/2 flex items-center justify-center text-center">
                <div className="max-w-md">
                    <h1 className="text-1xl font-bold">No Products Found</h1>
                </div>
            </div>
        }
    </div> :
    <div className='w-full h-full'>
        <form onSubmit={handleSubmit}>
            <h1 className="m-4 text-2xl text-center font-bold">Edit Restaurant</h1>
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder="Restaurant Name"
                name="name"
                value={formData.name}
                onChange={handleInputChange}
            />
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder="Email"
                name="email"
                value={formData.email}
                onChange={handleInputChange}
            />
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder="Password"
                name="password"
                value={formData.password}
                onChange={handleInputChange}
            />
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder="Short Description"
                name="shortDescription"
                value={formData.shortDescription}
                onChange={handleInputChange}
            />
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder="Description"
                name="description"
                value={formData.description}
                onChange={handleInputChange}
            />
            <input ref={filePickerRef} className="file-input m-4 file-input-bordered file-input-p
            <button className="btn m-4 btn-primary" type="submit">Submit</button>
            <button className="btn m-4 btn-error text-white" onClick={()=>setFormData(null)}>Canc
        </form>
    </div>
```

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Backend:

```
// Handling POST request for updating restaurants
router.post('/update-restaurant', upload.single('imageFile'), async (req, res) => {
    await mongoConnect();
    try {
        const { id, name, email, password, shortDescription, description } = req.body;

        var imagePath = null

        if (req.file) {
            imagePath = req.file.filename; // Path to the uploaded file
        }

        const product = await Restaurant.findById(id);

        product.name = name;
        product.email = email;
        product.password = password;
        product.shortDescription = shortDescription;
        product.description = description;
        if (imagePath) {
            product.imagePath = imagePath;
        }
        await product.save();

        const products = await Restaurant.find();

        res.status(201).json(products);
        return;
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error creating product' });
        return;
    }
});

// Handling DELETE request for deleting restaurants
router.delete('/restaurants', async (req, res) => {
    await mongoConnect();
    try {
        if (req.query.id) {
            const product = await Restaurant.findById(req.query.id);
            if (product) {
                await product.deleteOne();
                res.status(201).json({ message: 'Success' });
                return;
            }
        }
        res.status(500).json({ message: 'Error deleting restaurants' });
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error deleting restaurants' });
    }
});

// Handling GET request for getting restaurants
router.get('/restaurants', async (req, res) => {
    await mongoConnect();
```

```
// Handling GET request for getting restaurants
router.get('/restaurants', async (req, res) => {
    await mongoConnect();
    try {
        const products = await Restaurant.find();
        res.json(products);
    } catch (error) {
        res.status(500).json({ message: 'Error fetching orders' });
    }
});

// Handling POST request for setting restaurants active
router.post('/restaurants-set-active', async (req, res) => {
    await mongoConnect();
    try {
        if (req.query.id) {
            const product = await Restaurant.findById(req.query.id);
            if (product) {
                if (product.isActive) {
                    product.isActive = false;
                    await product.save();
                } else {
                    product.isActive = true;
                    await product.save();
                }
                const products = await Restaurant.find();
                res.status(201).json(products);
                return;
            }
        }
        res.status(500).json({ message: 'Error deleting restaurants' });
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error deleting restaurants' });
    }
});

// Handling POST request for setting restaurants active
router.post('/update-order-status', async (req, res) => {
    await mongoConnect();
    try {
        if (req.query.id) {
            const item = await Order.findById(req.query.id);
            if (item) {
                item.orderStatus = req.query.status;
                await item.save();
                res.status(201).json(item);
                return;
            }
        }
        res.status(500).json({ message: 'Error deleting restaurants' });
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error deleting restaurants' });
    }
});

router.post('/res-tables', async (req, res) => {
    await mongoConnect();
```

## Selling Report

## Frontend:

```
nponents > admin > SellingReport.jsx > ...

const getOrders = state => state.home.orderItems;
const getRestaurants = state => state.home.restaurants;
const getIsConsumer = state => state.auth.isCustomer;
const getUserData = state => state.auth;

const SellingReport = () => {
    const dispatch = useDispatch();

    const orders = useSelector(getOrders);
    const restaurants = useSelector(getRestaurants);
    const isConsumer = useSelector(getIsConsumer);
    const userData = useSelector(getUserData);

    console.log(orders)

    return (
        <div className='w-full h-full'>
            <h2 className='m-4 text-2xl text-center font-bold'>Selling Report</h2>
            {restaurants.length != 0 ?
                <ul className='space-y-4'>
                    {restaurants.map((product) => (
                        <li key={product._id} className="bg-base-100 shadow-xl p-4">
                            <div className="card-body flex flex-row items-center">
                                <figure>
                                    <img className='w-32 h-32' src={`${FILES_BASE_URL}/${produ
                                </figure>
                                <div className='flex flex-col m-4'>
                                    <h2 className="card-title">
                                        {product.name}
                                    </h2>
                                    <p>{product.shortDescription}</p>
                                </div>
                                <div className='flex flex-col m-4 justify-center items-center'>
                                    <h2 className="card-title text-6xl m-4">
                                        {orders ? orders.filter(item => item.restaurantId == p
                                    </h2>
                                    <h2 className="card-title">
                                        Total Orders
                                    </h2>
                                </div>
                            </div>
                        </li>
                    ))}
                </ul>
                :
                <div className="w-full h-1/2 flex items-center justify-center text-center">
                    <div className="max-w-md">
                        <h1 className="text-1xl font-bold">No Products Found</h1>
                    </div>
                </div>
            }
        </div>
    );
};

export default SellingReport;
```

## Order Management

## Frontend:

omponents > admin > OrdersAdmin.jsx > ...

```jsx
import React from 'react';
import { useDispatch, useSelector } from 'react-redux';
import OrderItem from './OrderItem';

const getOrders = state => state.home.orderItems;
const getIsConsumer = state => state.auth.isCustomer;
const getUserData = state => state.auth;

const OrdersAdmin = () => {
    const dispatch = useDispatch();

    const orders = useSelector(getOrders);
    const isConsumer = useSelector(getIsConsumer);
    const userData = useSelector(getUserData);

    return (
        <div className='w-full h-full'>
            <h2 className='m-4 text-2xl text-center font-bold'>Orders</h2>
            {orders.length !== 0 ? (
                <ul className='flex flex-col'>
                    {orders.map(order => (
                        <OrderItem order={order} key={order._id} />
                    ))}
                </ul>
            ) : (
                <div className="w-full h-1/2 flex items-center justify-center text-center">
                    <div className="max-w-md">
                        <h1 className="text-1xl font-bold">No Orders Found</h1>
                    </div>
                </div>
            )}
        </div>
    );
};

export default OrdersAdmin;
```

Backend:

```
// Handling POST request for setting restaurants active
router.post('/update-order-status', async (req, res) => {
    await mongoConnect();
    try {
        if (req.query.id) {
            const item = await Order.findById(req.query.id);
            if (item) {
                item.orderStatus = req.query.status;
                await item.save();
                res.status(201).json(item);
                return;
            }
        }
        res.status(500).json({ message: 'Error deleting restaurants' });
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error deleting restaurants' });
    }
});
```

# CONSUMER

## Cart Page

## Frontend:

```
                }
            }}>Order Now</button>
        </div>
        Select Table :
        {tables ? (
            <div className="grid grid-cols-3 gap-4">
                {tables.map((tableItem, index) => (
                    <button
                        key={index}
                        onClick={() => handleButtonClick(tableItem)}
                        className={`btn ${selectedOption === tableItem ? 'btn-primary' : '
                        {tableItem.name}
                    </button>
                ))}
            </div>
        ) : null}
        {products.length != 0 ?
            <ul>
                <div className='grid grid-cols-1 gap-4 md:grid-cols-2 lg:grid-cols-4'>
                    {products.map((product) => (
                        <div key={product._id} className="card w-auto bg-base-100 shadow-x
                            <div className="card-body">
                                <figure>
                                    <img className='w-full' src={`${FILES_BASE_URL}/${prod
                                <p>{product.shortDescription}</p>
                                <p>Price: {product.price}</p>
                                <div className="flex flex-row justify-end">
                                    <button
                                        onClick={async (c_event) => {
                                            c_event.preventDefault();
                                            var resp = await removeProductFromCart(userDat
                                            if (resp) {
                                                dispatch(setCartProductsData(resp.data));
                                                toast.success("Added To Cart");
                                            } else {
                                                toast.error("Failed to add to cart");
                                            }
                                        }}
                                        className="m-1 btn btn-sm btn-outline btn-error">R
                                </div>
                            </div>
                        </div>
                    ))}
                </div>
            </ul> :
            <div className="w-full h-1/2 flex items-center justify-center text-center">
                <div className="max-w-md">
                    <h1 className="text-1xl font-bold">No Products Found</h1>
                </div>
            </div>
        }
    </div>
  );
};

export default CartPage;
```

# Backend:

```
        res.status(500).json({ message: 'Error getting products from cart' });
    }
});

// Handling POST request for adding a product to the cart
router.post('/addCartProduct', async (req, res) => {
    await mongoConnect();
    try {
        const { email, password, productId } = req.body;
        const products = await Customer.findOne({ email: email, password: password });
        if (products) {
            if (!products.cart.includes(productId)) {
                products.cart.push(productId);
                await products.save();
            }
            const productIds = products.cart.map(product => new ObjectId(product));
            const productsInCart = await Product.find({ _id: { $in: productIds } });
            res.status(200).json(productsInCart);
        } else {
            res.status(500).json({ message: 'Error getting product' });
        }
        return;
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error getting product' });
        return;
    }
});

// Handling POST request for removing a product from the cart
router.post('/removeCartProduct', async (req, res) => {
    await mongoConnect();
    try {
        const { email, password, productId } = req.body;
        const customer = await Customer.findOne({ email: email, password: password });
        if (customer) {
            customer.cart = customer.cart.filter(product => product !== productId);
            await customer.save();
            const productIds = customer.cart.map(product => new ObjectId(product));
            const productsInCart = await Product.find({ _id: { $in: productIds } });
            res.status(200).json(productsInCart);
        } else {
            res.status(404).json({ message: 'Customer not found' });
        }
    } catch (error) {
        console.error(error);
        res.status(500).json({ message: 'Error removing product from cart' });
    }
});

// Handling POST request for adding a product to the wishlist
router.post('/wishListProducts', async (req, res) => {
    await mongoConnect();
    try {
        const { email, password } = req.body;
        const customer = await Customer.findOne({ email: email, password: password });
        if (customer) {
```

# WISHLIST

## Frontend:

```
import React from 'react';
import { useDispatch, useSelector } from 'react-redux';
import { addProductToCart, removeProductFromCart, removeProductFromWishist } from '../../servi
import { setCartProductsData, setWishlistProductsData } from '../../redux/homeSlice';
import { FILES_BASE_URL } from '../../utils/constants';

const getCartProducts = state => state.home.wishListItems;
const getUserData = state => state.auth;

const WishListPage = () => {
    const dispatch = useDispatch();

    const products = useSelector(getCartProducts);
    const userData = useSelector(getUserData);

    return (
        <div className='w-full h-full'>
            <h2 className='m-4 text-2xl text-center font-bold'>Customer Wish List</h2>
            {products.length != 0 ?
                <ul>
                    <div className='grid grid-cols-1 gap-4 md:grid-cols-2 lg:grid-cols-4'>
                        {products.map((product) => (
                            <div key={product._id} className="card w-auto bg-base-100 shadow-x
                                <div className="card-body">
                                    <figure>
                                        <img className='w-full' src={`${FILES_BASE_URL}/${prod
                                    <p>{product.shortDescription}</p>
                                    <p>Price: {product.price}</p>
                                    <div className="flex flex-row justify-end">
                                        <button
                                            onClick={async (c_event) => {
                                                c_event.preventDefault();
                                                var resp = await removeProductFromWishist(user
                                                if (resp) {
                                                    dispatch(setWishlistProductsData(resp.data
                                                    toast.success("Removed From Wishlist");
                                                } else {
                                                    toast.error("Failed to remove from wish li
                                                }
                                            }}
                                            className="m-1 btn btn-sm btn-outline btn-error">R
                                    </div>
                                </div>
                            </div>
                        ))}
                    </div>
                </ul> :
                <div className="w-full h-1/2 flex items-center justify-center text-center">
                    <div className="max-w-md">
                        <h1 className="text-1xl font-bold">No Products Found</h1>
                    </div>
                </div>
            }
        </div>
    );
};
```

Backend:

```
// Handling POST request for adding a product to the wishlist
router.post('/wishListProducts', async (req, res) => {
    await mongoConnect();
    try {
        const { email, password } = req.body;
        const customer = await Customer.findOne({ email: email, password: password });
        if (customer) {
            const productIds = customer.wishList.map(product => new ObjectId(product));
            const productsInCart = await Product.find({ _id: { $in: productIds } });
            res.status(200).json(productsInCart);
        } else {
            res.status(404).json({ message: 'Customer not found' });
        }
    } catch (error) {
        console.error(error);
        res.status(500).json({ message: 'Error getting products from cart' });
    }
});
```

```
        console.error(error);
        res.status(500).json({ message: 'Error placing order' });
    }
});

// Handling POST request for adding a product to the wishlist
router.post('/addWishListProduct', async (req, res) => {
    await mongoConnect();
    try {
        const { email, password, productId } = req.body;
        const products = await Customer.findOne({ email: email, password: password });
        if (products) {
            if (!products.wishList.includes(productId)) {
                products.wishList.push(productId);
                await products.save();
            }
            const productIds = products.wishList.map(product => new ObjectId(product));
            const productsInCart = await Product.find({ _id: { $in: productIds } });
            res.status(200).json(productsInCart);
        } else {
            res.status(500).json({ message: 'Error getting product' });
        }
        return;
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error getting product' });
        return;
    }
});

// Handling POST request for removing a product from the wishlist
router.post('/removeWishListProduct', async (req, res) => {
    await mongoConnect();
    try {
        const { email, password, productId } = req.body;
        const customer = await Customer.findOne({ email: email, password: password });
        if (customer) {
            customer.wishList = customer.wishList.filter(product => product !== productId);
            await customer.save();
            const productIds = customer.wishList.map(product => new ObjectId(product));
            const productsInCart = await Product.find({ _id: { $in: productIds } });
            res.status(200).json(productsInCart);
        } else {
            res.status(404).json({ message: 'Customer not found' });
        }
    } catch (error) {
        console.error(error);
        res.status(500).json({ message: 'Error removing product from cart' });
    }
});

// Handling POST request for logging in
router.post('/login', async (req, res) => {
    await mongoConnect();
    try {
        const { email, password } = req.body;
        var restaurant = await Restaurant.findOne({ email: email });
        if (restaurant) {
```

## Products Page

## Frontend:

```
            <h2 className="card-title">
                {product.name}
                <div className="badge badge-secondary">NEW</div>
            </h2>
            <p>{product.shortDescription}</p>
            <p>Price: {product.price}</p>
            {isConsumer ?
                <div className="flex flex-row justify-end">
                    <button
                        onClick={async (c_event) => {
                            c_event.preventDefault();
                            var resp = await addProductToCart(userData.email, userData.password, p
                            if (resp) {
                                dispatch(setCartProductsData(resp.data));
                                toast.success("Added To Cart");
                            } else {
                                toast.error("Failed to add to cart");
                            }
                        }}
                        className="m-1 btn btn-sm btn-outline btn-error">Add To Cart</button>
                    <button
                        onClick={async (c_event) => {
                            c_event.preventDefault();
                            var resp = await addProductToWishist(userData.email, userData.password
                            if (resp) {
                                dispatch(setWishlistProductsData(resp.data));
                                toast.success("Added To Wishlist");
                            } else {
                                toast.error("Failed to add to Wishlist");
                            }
                        }} className="m-1 btn btn-sm btn-outline btn-info"> Add To Wishlist</butto
                </div> :
                <div className="flex flex-row justify-end">
                    <button
                        onClick={async (c_event) => {
                            c_event.preventDefault();
                            var resp = await deleteProduct(product._id);
                            if (resp) {
                                dispatch(setProductsData(products.filter(value => value != product
                                toast.success("Deleted product");
                            } else {
                                toast.error("Failed to delete");
                            }
                        }}
                        className="m-1 btn btn-sm btn-outline btn-error">Delete</button>
                    {/* <button className="m-1 btn btn-sm btn-outline btn-info">Edit</button> */}
                </div>
            }
        </div>
    </div>


me="w-full h-1/2 flex items-center justify-center text-center">
ssName="max-w-md">
className="text-1xl font-bold">No Products Found</h1>
```

Backend:

```
    }
});

// Handling GET request for getting restaurant products
router.get('/products', async (req, res) => {
    await mongoConnect();
    try {
        if (req.query.restaurantId) {
            const products = await Product.find({ restaurantId: req.query.restaurantId });
            res.json(products);
            return;
        } else {
            const products = await Product.find();
            res.json(products);
            return;
        }
    } catch (error) {
        res.status(500).json({ message: 'Error fetching products' });
    }
});

// Handling POST request for adding products
router.post('/products', upload.single('imageFile'), async (req, res) => {
    await mongoConnect();
    try {
        const { name, price, restaurantId, shortDescription, description } = req.body;
        var imagePath = req.file.filename; // Path to the uploaded file

        const restaurant = await Restaurant.findOne({ restaurantId: restaurantId });

        if (restaurant.isActive != true) {
            res.status(500).json({ message: 'Restaurant Is Deactivated' });
            return;
        }

        const newProduct = new Product({
            name,
            price,
            restaurantId,
            imagePath,
            shortDescription,
            description
        });

        await newProduct.save();

        res.status(201).json(newProduct);
        return;
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error creating product' });
        return;
    }
});

// Handling GET request for getting orders
router.get('/orders', async (req, res) => {
```

Place order

Backend:

```
Handling POST request for adding a order
ter.post('/placeOrder', async (req, res) => {
 await mongoConnect();
 try {
     const { email, password, restaurantId, totalPrice, tableName, tableId } = req.body;
     const customer = await Customer.findOne({ email: email, password: password });
     const restaurant = await Restaurant.findOne({ restaurantId: restaurantId });

     if (customer) {
         const productIds = customer.cart.map(product => new ObjectId(product));
         const productsInWishlist = await Product.find({ _id: { $in: productIds } });

         // Prepare order details based on wishlist products
         const orderProducts = productsInWishlist.map(product => ({
             name: product.name,
             imagePath: product.imagePath,
             price: product.price,
             shortDescription: product.shortDescription,
             description: product.description,
         }));

         const totalPrice = productsInWishlist.reduce((total, product) => total + parseFloat(product.price), 0).toStri

         // Create the order
         const newOrder = new Order({
             name: customer.name,
             phone: '',
             email: customer.email,
             restaurantId: restaurantId,
             totalPrice: totalPrice,
             customerId: customer._id, // Assuming customer._id is the MongoDB ObjectId
             products: orderProducts,
             tableName: tableName,
             tableId: tableId,
             wifiPass: restaurant.wifiPass,
         });

         // Save the order to the database
         await newOrder.save();

         // Clear the wishlist after placing the order
         customer.cart = [];
         await customer.save();

         res.status(200).json({ message: 'Order placed successfully', order: newOrder });
     } else {
         res.status(404).json({ message: 'Customer not found' });
     }
 } catch (error) {
     console.error(error);
     res.status(500).json({ message: 'Error placing order' });
 }
```

# Restaurant

## Add Product

## Frontend:

```
const AddProduct = () => {

    const filePickerRef = useRef(null);

    const userData = useSelector(getUserData);

    const [formData, setFormData] = useState({
        name: '',
        price: '',
        imageFile: null,
        shortDescription: '',
        description: ''
    });

    const handleInputChange = (e) => {
        setFormData({ ...formData, [e.target.name]: e.target.value });
    };

    const handleFileChange = (e) => {
        setFormData({ ...formData, imageFile: e.target.files[0] });
    };

    const handleSubmit = async (e) => {
        e.preventDefault();
        if (formData.name == "" || formData.price == "" || formData.imageFile == null) {
            toast.error("Name, Price and Image Cannot Be Empty");
            return;
        }
        try {
            const response = await addProduct(
                formData.name,
                formData.price,
                userData.restaurantId,
                formData.imageFile,
                formData.shortDescription,
                formData.description,
            );
            if (response.data) {
                setFormData({
                    name: '',
                    price: '',
                    restaurantId: '',
                    imageFile: null,
                    shortDescription: '',
                    description: ''
                });
                filePickerRef.current.value = null;
                toast.success("Successfully added product.");
            } else {
                toast.error(response.error.message);
            }
        } catch (error) {
            toast.error("Failed to add product.");
            console.error('Error creating product:', error);
        }
    };
```

Backend:

```
// Handling POST request for adding products
router.post('/products', upload.single('imageFile'), async (req, res) => {
    await mongoConnect();
    try {
        const { name, price, restaurantId, shortDescription, description } = req.body;
        var imagePath = req.file.filename; // Path to the uploaded file

        const restaurant = await Restaurant.findOne({ restaurantId: restaurantId });

        if (restaurant.isActive != true) {
            res.status(500).json({ message: 'Restaurant Is Deactivated' });
            return;
        }

        const newProduct = new Product({
            name,
            price,
            restaurantId,
            imagePath,
            shortDescription,
            description
        });

        await newProduct.save();

        res.status(201).json(newProduct);
        return;
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error creating product' });
        return;
    }
});
```

## Add/Edit tables

## Add Frontend:

```
const AddTable = () => {

    const dispatch = useDispatch();

    const userData = useSelector(getUserData);

    const [formData, setFormData] = useState({
        name: '',
        num: '',
    });

    const handleInputChange = (e) => {
        setFormData({ ...formData, [e.target.name]: e.target.value });
    };

    const handleSubmit = async (e) => {
        e.preventDefault();
        if (formData.name == "" && formData.num == "") {
            toast.error("Name Cannot Be Empty");
            return;
        }
        try {
            const response = await addRestaurantTable(
                userData.restaurantId,
                formData.name,
                formData.num,
            );
            if (response.data) {
                setFormData({
                    name: '',
                    num: '',
                });
                dispatch(setRestaurantsTables(response.data.tables));
                toast.success("Successfully added table.");
            } else {
                toast.error(response.error.message);
            }
        } catch (error) {
            toast.error("Failed to add table.");
            console.error('Error creating table:', error);
        }
    };

    return (
        <form onSubmit={handleSubmit}>
            <h1 className="m-4 text-2xl text-center font-bold">Add Tables</h1>
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder="Name"
                name="name"
                value={formData.name}
                onChange={handleInputChange}
            />
            <input
```

Edit Frontend:

```
import React from 'react';
import { useDispatch, useSelector } from 'react-redux';
import AddTable from './AddTable';
import { deleteTables } from '../../services/apiService';
import { setRestaurantsTables } from '../../redux/homeSlice';
import { toast } from 'react-toastify';

const getOrders = state => state.home.orderItems;
const getTables = state => state.home.tables;
const getUserData = state => state.auth;

const TableList = () => {
    const dispatch = useDispatch();

    const orders = useSelector(getOrders);
    const tables = useSelector(getTables);
    const userData = useSelector(getUserData);

    return (
        <div className='w-full h-full'>
            <h2 className='m-4 text-2xl text-center font-bold'>Tables</h2>
            <AddTable />
            {tables.length != 0 ?
                <ul>
                    <div className='grid grid-cols-1 gap-4 md:grid-cols-2 lg:grid-cols-4'>
                        {
                            tables.map((product) => (
                                <button
                                    key={product.name}
                                    className={orders.some(item => item.tableName == product.name
                                        && item.restaurantId == userData.restaurantId
                                        && item.orderStatus != "COMPLETE") ?
                                        "btn btn-error" :
                                        "btn btn-outline btn-error"
                                    }
                                    onClick={async () => {
                                        const confirmed = window.confirm('Are you sure you want to delete this item?')
                                        if (confirmed) {
                                            var resp = await deleteTables(userData.restaurantId, product.name, product
                                            if (resp.data) {
                                                toast.success("Deleted");
                                                dispatch(setRestaurantsTables(resp.data));
                                            } else {
                                                toast.error("Failed to delete");
                                            }
                                        }
                                    }}
                                >{product.name}
                                </button>
                            ))
                        }
                    </div>
                </ul>
                :
                <div className="w-full h-1/2 flex items-center justify-center text-center">
                    <div className="max-w-md">
                        <h1 className="text-1xl font-bold">No Tables Found</h1>
                    </div>
                </div>
            }
        </div>
    );
};

export default TableList;
```

Backend:

```
router.post('/res-tables', async (req, res) => {
    await mongoConnect();
    try {
        if (req.query.id) {
            const item = await Restaurant.findOne({
                "restaurantId": req.query.id
            });
            if (item) {
                if (!item.tables.includes({ name: req.query.name, num: req.query.num })) {
                    item.tables.push({ name: req.query.name, num: req.query.num });
                }
                await item.save();
                res.status(201).json(item);
                return;
            }
        }
        res.status(500).json({ message: 'Error tables' });
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error tables' });
    }
});

router.delete('/delete-tables', async (req, res) => {
    await mongoConnect();
    try {
        if (req.query.id) {
            const item = await Restaurant.findOne({
                "restaurantId": req.query.id
            });
            if (item) {
                var tables = item.tables
                const index = tables.findIndex(table => table.name === req.query.name && table.num === req.query.num);
                if (index > -1) {
                    tables.splice(index, 1);
                }
                item.tables = tables;
                await item.save();
                res.status(201).json(tables);
                return;
            }
        }
        res.status(500).json({ message: 'Error deleting tables' });
    } catch (error) {
        console.log(error);
        res.status(500).json({ message: 'Error deleting tables' });
    }
});


router.get('/tables', async (req, res) => {
    await mongoConnect();
    try {
        if (req.query.restaurantId) {
            const item = await Restaurant.findOne({ restaurantId: req.query.restaurantId });
            if (item) {
                var tables = item.tables;
                const orders = await Order.find({ restaurantId: req.query.restaurantId });
                orders.forEach(oItm => {
                    if (oItm.orderStatus != "COMPLETE") {
                        var index = tables.findIndex(item => item.name === oItm.tableName && item.num === oItm.tableId
                        if (index > -1) {
                            tables.splice(index, 1);
                        }
                    }
                })
                res.status(201).json(tables);
                return;
            }
```

QR Code Page

Frontend:

```
mport React from 'react';
mport QRCode from 'react-qr-code';
mport { useSelector } from 'react-redux';

onst getRestaurantId = state => state.auth.restaurantId;

onst QRCodePage = () => {

    const _restaurantId = useSelector(getRestaurantId);

    return (
        <div>
            <h2 className='m-4 text-3xl text-center font-bold'>Restaurant QR Code</h2>
            <h2 className='m-4 text-2xl text-center font-bold'>Scan to view all the products</h2>
            <div className='flex flex-col justify-center items-center m-28'>
                <QRCode value={`${window.location.protocol + "//" + window.location.host}/?restaurantId=${_restaurantI
                <a href={`${window.location.protocol + "//" + window.location.host}/?restaurantId=${_restaurantId}`}>V
            </div>
        </div>
    );
};

xport default QRCodePage;
```

## Edit Profile/Wifi Pass

## Frontend:

```
import { updateUser } from '../../services/apiService';
import { toast } from 'react-toastify';

const getUserData = state => state.auth;

const EditProfile = () => {
    const dispatch = useDispatch();

    const userData = useSelector(getUserData);

    const [formData, setFormData] = useState({
        name: userData.name,
        wifiPass: userData.wifiPass,
    });

    const handleInputChange = (e) => {
        setFormData({ ...formData, [e.target.name]: e.target.value });
    };

    const handleSubmit = async (e) => {
        e.preventDefault();
        if (formData.name == "" || formData.wifiPass == "") {
            toast.error("Restaurant Name Cannot Be Empty");
            return;
        }
        const response = await updateUser(userData.email, userData.password, formData.name, formData.wifiPass);
        if (response.data) {
            localStorage.setItem("name", response.data.name);
            localStorage.setItem("wifiPass", response.data.wifiPass);
            dispatch(updateLoginState({
                loggedIn: true,
                email: response.data.email,
                password: response.data.password,
                name: response.data.name,
                restaurantId: response.data.restaurantId,
                wifiPass: response.data.wifiPass
            }));
            toast.success("Successfully Updated Profile");
        } else {
            toast.error(response.error.message);
        }
    };

    return (
        <div className='flex flex-col items-center justify-center'>
            <h1 className="m-4 text-2xl text-center font-bold">Update Restaurant Profile</h1>
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder="Restaurant Name"
                name="name"
                value={formData.name}
                onChange={handleInputChange}
            />
            <input
                className="input m-4 input-bordered input-primary w-full max-w-xs"
                type="text"
                placeholder="Wifi Password"
                name="wifiPass"
                value={formData.wifiPass}
                onChange={handleInputChange}
            />
            <button className="btn m-4 btn-primary" onClick={handleSubmit}>Update</button>
        </div>
    );
};

export default EditProfile;
```

Backend:

```
// Handling POST request for getting restaurant profile
router.post('/profile', async (req, res) => {
    await mongoConnect();
    try {
        const { name, email, password, wifiPass } = req.body;
        var restaurant = await Restaurant.findOne({ email: email, password: password });
        if (restaurant) {
            restaurant.name = name;
            restaurant.wifiPass = wifiPass;
            await restaurant.save();
            res.status(201).json(restaurant);
            return;
        } else {
            res.status(403).json({ message: 'Error updating' });
            return;
        }
    } catch (error) {
        console.log(error);
        res.status(403).json({ message: 'Error signing up' });
        return;
    }
});
```

## Order Management

## Frontend:

```
import React, { useState } from 'react';
import { useDispatch, useSelector } from 'react-redux';
import { FILES_BASE_URL } from '../utils/constants';
import { addProductToCart, addProductToWishist, deleteProduct } from '../services/apiService';
import { setCartProductsData, setProductsData, setWishlistProductsData } from '../redux/homeSlice';
import { toast } from 'react-toastify';
import OrderItem from './admin/OrderItem';

const getOrders = state => state.home.orderItems;
const getIsConsumer = state => state.auth.isCustomer;
const getUserData = state => state.auth;
const getTables = state => state.home.tables;

const OrderList = () => {
    const dispatch = useDispatch();

    const orders = useSelector(getOrders);
    const isConsumer = useSelector(getIsConsumer);
    const userData = useSelector(getUserData);
    const tables = useSelector(getTables);

    const [selectedOption, setSelectedOption] = useState(""); // Set initial selected value
    const [filteredOrders, setFilteredOrders] = useState([]); // Set initial selected value

    const handleButtonClick = (tableItem) => {
        if (selectedOption == tableItem) {
            setSelectedOption(""); // Deselect if already
            setFilteredOrders(orders);
        } else {
            setSelectedOption(tableItem);
            const filtered = orders.filter(order => order.tableId === tableItem.num);
            setFilteredOrders(filtered);
        }
    };

    return (
        <div className='w-full h-full'>
            <h2 className='m-4 text-2xl text-center font-bold'>Orders</h2>
            Select Table :
            <div className="overflow-x-auto whitespace-no-wrap">
                <div className="flex">
                    {tables ? (
                        tables.map((tableItem, index) => (
                            <button
                                key={index}
                                onClick={() => handleButtonClick(tableItem)}
                                className={`btn ${selectedOption === tableItem ? 'btn-primary' : 'btn-secondary'} mx
                            >
                                {tableItem.name}
                            </button>
                        ))
                    ) : (
                        <p>No tables available</p>
                    )}
                </div>
            </div>
            {filteredOrders.length !== 0 ? (
                <ul className='flex flex-col'>
                    {filteredOrders.map(order => (
                        isConsumer ? <div key={order._id} className="card w-auto bg-base-100 shadow-xl m-2">
                            <div className="card-body">
                                <p>Name: {order.name}</p>
                                <p>Email: {order.email}</p>
                                {/* <p>Restaurant ID: {order.restaurantId}</p> */}
                                <p>Total Price: {order.totalPrice}</p>
                                <p>Customer ID: {order.customerId}</p>
                                <p>Wifi Pass: {order.wifiPass}</p>
                                <p>Table Name: {order.tableName}</p>
                                <p>Table No: {order.tableId}</p>
                                <p>WIFI Password: {order.wifiPass}</p>
```

```
        }
    };

    return (
        <div className='w-full h-full'>
            <h2 className='m-4 text-2xl text-center font-bold'>Orders</h2>
            Select Table :
            <div className="overflow-x-auto whitespace-no-wrap">
                <div className="flex">
                    {tables ? (
                        tables.map((tableItem, index) => (
                            <button
                                key={index}
                                onClick={() => handleButtonClick(tableItem)}
                                className={`btn ${selectedOption === tableItem ? 'btn-primary' : 'btn-secondary'} mx
                            >
                                {tableItem.name}
                            </button>
                        ))
                    ) : (
                        <p>No tables available</p>
                    )}
                </div>
            </div>
            {filteredOrders.length !== 0 ? (
                <ul className='flex flex-col'>
                    {filteredOrders.map(order => (
                        isConsumer ? <div key={order._id} className="card w-auto bg-base-100 shadow-xl m-2">
                            <div className="card-body">
                                <p>Name: {order.name}</p>
                                <p>Email: {order.email}</p>
                                {/* <p>Restaurant ID: {order.restaurantId}</p> */}
                                <p>Total Price: {order.totalPrice}</p>
                                <p>Customer ID: {order.customerId}</p>
                                <p>Wifi Pass: {order.wifiPass}</p>
                                <p>Table Name: {order.tableName}</p>
                                <p>Table No: {order.tableId}</p>
                                <p>WIFI Password: {order.wifiPass}</p>
                                <p>Order Status: {order.orderStatus}</p>
                                <h3>Products:</h3>
                                <ul>
                                    {order.products.map(product => (
                                        <li key={product._id}>
                                            <div className="card">
                                                <div className="card-body">
                                                    <h4 className="card-title">{product.name}</h4>
                                                    <p>{product.shortDescription}</p>
                                                    <p>Price: {product.price}</p>
                                                </div>
                                            </div>
                                        </li>
                                    ))}
                                </ul>
                            </div>
                        </div> :
                            <OrderItem order={order} key={order._id} />
                    ))}
                </ul>
            ) : (
                <div className="w-full h-1/2 flex items-center justify-center text-center">
                    <div className="max-w-md">
                        <h1 className="text-1xl font-bold">No Orders Found</h1>
                    </div>
                </div>
            )}
        </div>
    );
};
```

Backend:

```
ter.post('/update-order-status', async (req, res) => {
 await mongoConnect();
 try {
     if (req.query.id) {
         const item = await Order.findById(req.query.id);
         if (item) {
             item.orderStatus = req.query.status;
             await item.save();
             res.status(201).json(item);
             return;
         }
     }
     res.status(500).json({ message: 'Error deleting restaurants' });
 } catch (error) {
     console.log(error);
     res.status(500).json({ message: 'Error deleting restaurants' });
 }

```

```
Handling GET request for getting orders
ter.get('/orders', async (req, res) => {
 await mongoConnect();
 try {
     if (req.query.restaurantId) {
         const products = await Order.find({ restaurantId: req.query.restaurantId });
         res.json(products);
         return;
     } else {
         const products = await Order.find();
         res.json(products);
         return;
     }
 } catch (error) {
     res.status(500).json({ message: 'Error fetching orders' });
 }
```

# Technology (Framework, Languages)

Framework: MERN
Language: Javascript, React, MongoDB, Express, NodeJs

# Github Repository

Link: https://github.com/rhythm6677/khawahobe.git

# Individual Contribution

| ID | Name | Contribution |
|---|---|---|
| 21101164 | Saimum Reza Siam | Module-3 and Module-4 (contributed in all modules) |
| 21301581 | Nafiz Ahmed Rhythm | Module-1 and Module-2 (contributed in all modules) |