FoodHub

"Discover & Order Delicious Meals"

Project Overview

FoodHub is a full-stack web application for meal ordering. Customers can browse menus from various food providers, place orders, and track delivery status. Providers can manage their menus and fulfill orders. Admins oversee the platform and manage all users.

Roles & Permissions

Role	Description	Key Permissions
Customer	Users who order meals	Browse menus, place orders, track status, leave reviews
Provider	Food vendors/restaurants	Manage menu, view orders, update order status
Admin	Platform moderators	Manage all users, oversee orders, moderate content

Note: Users select their role during registration. Admin accounts should be seeded in the database.

Tech Stack

See README.md for complete technology specifications.

Features

Public Features

- Browse all available meals and providers
- Filter meals by cuisine, dietary preferences, and price
- View provider profiles with menus

Customer Features

- Register and login as customer
- Add meals to cart

- Place orders with delivery address (Cash on Delivery)
- Track order status
- Leave reviews after ordering
- Manage profile

Provider Features

- Register and login as provider
- Add, edit, and remove menu items
- View incoming orders
- Update order status

Admin Features

- View all users (customers and providers)
- Manage user status (suspend/activate)
- View all orders
- Manage categories

Pages & Routes

Note: These routes are examples. You may add, edit, or remove routes based on your implementation needs.

Public Routes

Route	Page	Description
/	Home	Hero, categories, featured
/meals	Browse Meals	List with filters
/meals/:id	Meal Details	Info, add to cart
/providers/:id	Provider	Menu, info
/login	Login	Login form
/register	Register	Registration form

Customer Routes (Private)

Route	Page	Description
/cart	Cart	View cart items
/checkout	Checkout	Delivery address
/orders	My Orders	Order history
/orders/:id	Order Details	Items, status
/profile	Profile	Edit info

Provider Routes (Private)

Route	Page	Description
/provider/dashboard	Dashboard	Orders, stats
/provider/menu	Menu	Manage meals
/provider/orders	Orders	Update status

Admin Routes (Private)

Route	Page	Description
/admin	Dashboard	Statistics
/admin/users	Users	Manage users
/admin/orders	Orders	All orders
/admin/categories	Categories	Manage categories

Database Tables

Design your own schema for the following tables:

- **Users** - Store user information and authentication details
- **ProviderProfiles** - Provider/restaurant-specific information (linked to Users)
- **Categories** - Food categories (cuisine types)
- **Meals** - Menu items offered by providers
- **Orders** - Customer orders with items and status
- **Reviews** - Customer reviews for meals

  Think about what fields each table needs based on the features above.

API Endpoints

  Note: These endpoints are examples. You may add, edit, or remove endpoints based on your implementation needs.

Authentication

Method	Endpoint	Description
POST	/api/auth/register	Register new user
POST	/api/auth/login	Login user
GET	/api/auth/me	Get current user

Meals & Providers (Public)

Method	Endpoint	Description
GET	/api/meals	Get all meals with filters
GET	/api/meals/:id	Get meal details
GET	/api/providers	Get all providers
GET	/api/providers/:id	Get provider with menu

Orders

Method	Endpoint	Description
POST	/api/orders	Create new order
GET	/api/orders	Get user's orders
GET	/api/orders/:id	Get order details

Provider Management

Method	Endpoint	Description
POST	/api/provider/meals	Add meal to menu
PUT	/api/provider/meals/:id	Update meal
DELETE	/api/provider/meals/:id	Remove meal
PATCH	/api/provider/orders/:id	Update order status

Admin

Method	Endpoint	Description
GET	/api/admin/users	Get all users
PATCH	/api/admin/users/:id	Update user status

Flow Diagrams

Customer Journey

```
Register
```

Browse Meals

Add to Cart

Checkout

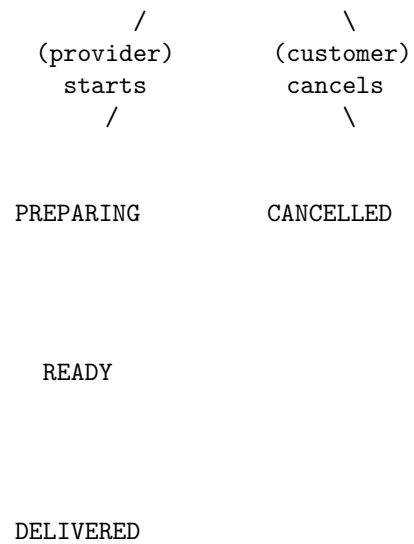Track Order

Provider Journey

Register

Add Menu
Items

View Orders

Update Status

Order Status

PLACED

/   \

```
          /              \
    (provider)      (customer)
      starts          cancels
        /                \


    PREPARING        CANCELLED




      READY




    DELIVERED
```

Submission

See README.md for submission guidelines, timeline, and marks.