

Initial Steps and Code Requirements:

1. Project Setup and Basic Structure

You don't need backend code for this initial setup. This involves setting up your project, installing dependencies, and structuring the frontend.

2. Authentication (Login/Register)

For implementing login and registration, you will need to refer to the backend endpoints for authentication.

Backend Requirements:

- Endpoints for user registration and login.
- JWT Token generation and validation.

3. Forgot Password and Reset Password

You will need to connect these forms to the backend to handle password resets.

Backend Requirements:

- Endpoints for initiating a password reset (sending a reset token via email).
- Endpoint for completing the password reset with the token.

4. User Management (Profile Management and Admin User Management)

To create and manage user profiles and for admins to manage users.

Backend Requirements:

- Endpoints for fetching user details.
- Endpoints for updating user details.
- Endpoints for admin to view and manage users.

5. Order Management

For users to view and place orders and for admins to manage orders.

Backend Requirements:

- Endpoints for creating new orders.
- Endpoints for viewing user-specific orders.
- Endpoints for viewing and updating all orders (admin).

6. Service Management

For displaying services and allowing admin to manage services.

Backend Requirements:

- **Endpoints** for fetching services.
- **Endpoints** for adding, updating, and deleting services (admin).

7. Transaction Management

For viewing transaction history and admin reports.

Backend Requirements:

- **Endpoints** for fetching transaction history.
- **Endpoints** for admin to view transaction details and generate reports.

8. Dashboard and Analytics

For the admin dashboard to display statistics and reports.

Backend Requirements:

- **Endpoints** for fetching summary data (e.g., total orders, revenue).

Detailed Plan:

1. **Project Setup and Dependencies:** Create the basic React structure and install necessary dependencies.
2. **Auth Context and Pages:** Implement `AuthContext`, create Login and Register pages, and connect to the backend.
3. **Forgot and Reset Password Pages:** Create these pages and connect them to the backend endpoints for password reset.
4. **User Profile and Admin User Management:** Implement user profile page and admin user management page, connecting to the backend.
5. **Order Pages and Management:** Create pages for placing and viewing orders, and for admin to manage orders.
6. **Service Pages and Management:** Create pages for viewing and managing services.
7. **Transaction Pages:** Implement pages for viewing transaction history and admin transaction reports.
8. **Admin Dashboard and Analytics:** Create the admin dashboard with necessary statistics and reports.

Requesting Backend Code:

Let's start with the authentication part. Please provide the backend code for the following:

1. **User Registration:**

- Endpoint URL
- Method (POST/GET)
- Required fields (username, email, password, etc.)

2. **User Login:**

- Endpoint URL
- Method (POST/GET)
- Required fields (email, password)

3. **JWT Token:**

- Token generation logic
- Token validation middleware

4. **Forgot Password:**

- Endpoint URL for initiating password reset
- Method (POST/GET)
- Required fields (email)

5. **Reset Password:**

- Endpoint URL for completing password reset
- Method (POST/GET)
- Required fields (new password, reset token)

Once we have these, we'll move on to the implementation and then proceed step-by-step as planned.

