Contact Management System

This Contact Management System allows users to register, log in, and manage a catalog of contacts with details like name, phone number, and email. The system includes user authentication, contact management, and search functionality.

Functionalities

1. **User Authentication**:
   - Create an account.
   - Log in to access contacts.

2. **Contact Management**:
   - Add a contact (name, phone number, email).
   - View all contacts.
   - View a specific contact's details.
   - Edit contact details.
   - Delete a contact.

3. **Global Search**: Search contacts by name.

Frontend

Pages and Features

1. **Sign Up / Login Page**:
   - Allow new users to sign up and existing users to log in.
   - Redirect logged-in users to the Contact List page.

2. **Contact List Page (Dashboard)**:
   - Display all contacts created by the logged-in user.
   - Include a search bar to filter contacts by name.

3. **Modals**:
   - Add a modal for creating new contacts (name, phone number, email).
   - Use the same modal for editing or deleting contacts.

4. **Contact Detail Page**:
   - Display detailed information about a contact (name, phone, email).

Tech Stack

- **Frontend Framework**: Next.js React.js
- **Styling**: Tailwind CSS
- **State Management**: Context API

Backend

APIs

All routes are POST requests prefixed with `/api/`.

1. **User Authentication**
   - **Create User**: `/api/createUser`
   - **Login**: `/api/login`

2. **Contact Management**
   - **Add Contact**: `/api/upload`
   - **Fetch All Contacts**: `/api/fetch`
   - **Fetch One Contact**: `/api/fetchOne`
   - **Update Contact**: `/api/update`
   - **Delete Contact**: `/api/delete`
   - **Fetch User**: `/api/fetchUser`

Tech Stack

- **Backend Framework**: Node.js, Express.js
- **Database**: MongoDB
- **Authentication**: JWT (JSON Web Tokens)