The admin module should serve as a central hub for managing provider and payer registrations, enabling administrators to onboard new providers/payers, review and manage their information, and ensure compliance with industry standards. The module must support secure access controls, data validation, and integration with existing systems.

1. Input (same for payer and provider)

Assumption: There is min. 1 default admin user account created upon roll-out.

- Provider/Payer Details: This includes all necessary information for registration, such as:
  - Name of entity (provider or payer)
  - Contact information (person name, email, phone number, create multiple fields)
  - Address (physical and billing, if different, split into Street, City…fields)
  - Tax ID for payers/provider license number /NPI for providers
  - Specialty (for providers, create dropdown)
  - Payer plans supported (for providers, create dropdown) / Provider networks covered (for payers, create dropdown)

- Documents: Various documents might be required for verification purposes and there should be a place to upload them
  - Proof of license (for providers)
  - Proof of insurance (for both providers and payers)
  - Business certification documents

- User Credentials: For creating admin or user accounts associated with the provider or payer, including:
  - Username
  - Password (to be encrypted)

2. Output (same for payer and provider)

Make sure each new entity has at least one user account linked

- Admin user can create new user accounts
  - Account attributes
    - First Name
    - Last Name

        - Nick Name
        - NPI (for provider only)
        - Email
        - Access Rights (Admin, Regular User, Read Only)
    - Accounts can be active or archived

- After notification, ensure user is forced to change from temp PW to real PW on first login

- Overview: Provision of a control panel for providers/payers for managing the registered users and entities
    - list-overview of all entities (payers+providers) connected to the platform.
      Optional: show last login, last PA interaction, no. of PA per entity etc.
      functionality from this list to add/archive/edit entries

    - List-overview of all users in the current instance
      Top-attributes like Name, Access rights etc. in one list
      edit functionality from this list to add/archive/edit entries

- Reports and Logs: Generation of reports/logs for admin users on registration activity, including timestamps, approval status, and audit logs for compliance and monitoring purposes.

- Confirmation of Registration: Notification sent to the provider/payer and the admin upon successful registration.

3. Flow

1) Details of new entities/users are transmitted to admin (offline/off-system)
2) Admin creates entity/user (status: Invitation sent)
3) New user gets notification
4) User logs in and sets custom PW
5) Overview is updated on Admin side that user has been onboarded (status: Onboarded)

Expected Deliverables : code base, a video showing the flow and a design document.
Use MERN(postgreSQL instead of MongoDB) as tech stack.

Note : Use ChatGPT wherever you feel is needed and make assumptions in completing the flow first.