

# WENLOCK — (CRUD de Usuarios)

Data: 05/02/2026

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<b>Link do repositório GitHub</b>	<a href="https://github.com/mateusicomp/wenlock">https://github.com/mateusicomp/wenlock</a>
Backend	NestJS + Prisma + PostgreSQL + Swagger
Frontend	Next.js(React) + TypeScript
Pontos-chave	Busca + paginação, validações, senha com hash, UUID

**Backend:** em NestJS, organizado por módulos, com separação **controller** → **service** → **prisma**. O Prisma gerencia o schema e migrações. A documentação é exposta via **Swagger UI**. Senha com hash seguro.

**Frontend:** com Layout com **sidebar/topbar** e páginas **Home** e **Usuários**.

CRUD integrado ao backend: listagem (busca/paginação), cadastro/edição via modal, visualização via drawer e exclusão com confirmação.

# Evidências e prints

## Swagger UI

endpoints e exemplos de requests/responses.

The screenshot shows the Swagger UI interface for the WENLOCK API, which provides a CRUD interface for users. The top navigation bar includes the Swagger logo and version information (1.0.0 OAS 3.0). Below the header, the title "WENLOCK API" is displayed, followed by a subtitle "CRUD de usuários".

The main content area is organized into sections for "Users" and "Responses".

**Users Section:**

- POST /users**: Create a user (green background)
- GET /users**: List users with pagination and optional search (blue background)
- GET /users/{id}**: Get user by id (light blue background)
- PUT /users/{id}**: Update user by id (orange background)
- DELETE /users/{id}**: Delete user by id (red background)

**Responses Section:**

Code	Description	Links
200		No links

At the bottom of the page, there is a "Try it out" button for the PUT /users/{id} endpoint.

## **Restrições de entrada de dados.**

```
Schemas ^

CreateUserDto ▾ {
    name*           ▾ string
                    example: Mateus Santos
                    maxLength: 30
    email*          ▾ string
                    example: mateus@email.com
                    maxLength: 40
    registration*   ▾ string
                    example: 1234
                    minLength: 4
                    maxLength: 10
    password*       ▾ string
                    example: alib2c3
                    6 chars, alphanumeric
}

UpdateUserDto ▾ {
    password        ▾ string
                    example: alib2c3
                    6 chars, alphanumeric
}
```

## Banco de Dados

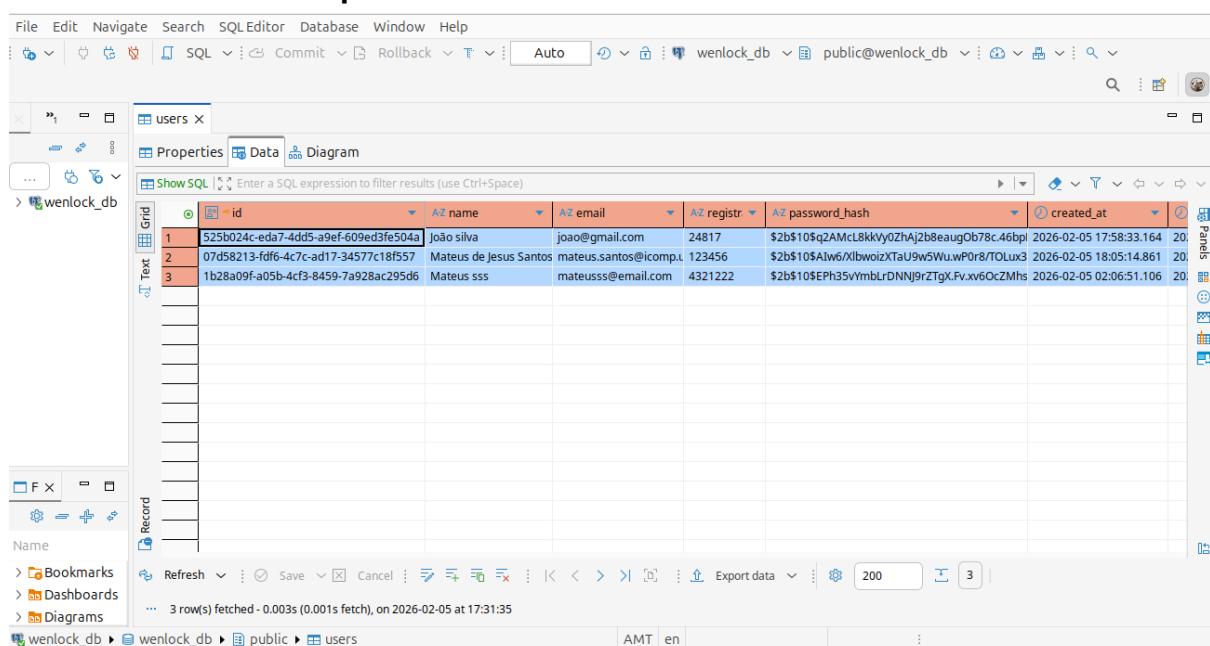
## Trecho de Script sql para geração do banco.

```
1 CREATE EXTENSION IF NOT EXISTS "uuid-ossp";
2
3
4 CREATE TABLE IF NOT EXISTS users (
5     id UUID PRIMARY KEY DEFAULT uuid_generate_v4(),
6
7     name VARCHAR(30) NOT NULL,
8     email VARCHAR(40) NOT NULL,
9     registration VARCHAR(10) NOT NULL,
10    password_hash VARCHAR(255) NOT NULL,
11
12    created_at TIMESTAMP NOT NULL DEFAULT NOW(),
13    updated_at TIMESTAMP NOT NULL DEFAULT NOW(),
14
15    CONSTRAINT users_email_unique UNIQUE (email),
16    CONSTRAINT users_registration_unique UNIQUE (registration),
17
18    -- regras de tamanho
19    CONSTRAINT users_name_length_chk CHECK (char_length(name) BETWEEN 1 AND 30),
20    CONSTRAINT users_email_length_chk CHECK (char_length(email) BETWEEN 1 AND 40),
21    CONSTRAINT users_registration_length_chk CHECK (char_length(registration) BETWEEN 4 AND 10),
22
23    -- matrícula só números
24    CONSTRAINT users_registration_digits_chk CHECK (registration ~ '^[0-9]+$'),
25
26    -- nome só letras e espaços
27    CONSTRAINT users_name_letters_chk CHECK (name ~ '^[A-Zá-é-ö-ÿ ]+$')
28 );
```

## Prisma Schema.

```
1 generator client {
2   provider = "prisma-client-js"
3 }
4
5 datasource db {
6   provider = "postgresql"
7   url      = env("DATABASE_URL")
8 }
9
10 model User {
11   id        String    @id @default(dbgenerated("uuid_generate_v4()")) @db.Uuid
12   name      String
13   email     String    @unique(map: "users_email_unique") @db.VarChar(40)
14   registration String  @unique(map: "users_registration_unique") @db.VarChar(10)
15   passwordHash String  @map("password hash") @db.VarChar(255)
16   createdAt  DateTime @default(now()) @map("created_at") @db.Timestamp(6)
17   updatedAt  DateTime @default(now()) @map("updated_at") @db.Timestamp(6)
18
19   @@index([name], map: "idx_users_name")
20   @@map("users")
21 }
22
```

## Acompanhamento da tabela users via DBeaver.



The screenshot shows the DBeaver interface with the 'users' table selected in the 'Data' tab. The table has columns: id, name, email, registr, password\_hash, and created\_at. There are three rows of data:

	id	name	email	registr	password_hash	created_at
1	525b024c-eda7-4dd5-a9ef-609ed3fe504a	João Silva	joao@gmail.com	24817	\$2b\$10\$2AMc18kkVy0ZhAj2b8eaugOb78c.46bpI	2026-02-05 17:58:33.164
2	07d58213-fdf6-4c7c-ad17-34577c18f557	Mateus de Jesus Santos	mateus.santos@icomp.br	123456	\$2b\$10\$Aw6/xlbwolzXtU9w5Wu.wP0r8/TOluox3	2026-02-05 18:05:14.861
3	1b28a09fa05b-4cf3-8459-7a928ac295d6	Mateus sss	mateussss@email.com	4321222	\$2b\$10\$EPh35vYmblLrDNJ9rZTgxF.vxv6OcZMhs	2026-02-05 02:06:51.106

# HomePage

Visão geral da tela Home.

The screenshot shows the WenLock application interface. On the left, there is a dark sidebar with the WenLock logo at the top, followed by three icons: a home icon, a dropdown arrow, and a user icon. Below these are the links "Controle de Acesso" and "Usuários". At the bottom of the sidebar, it says "Powered by Conectthus". The main content area has a light gray header with the word "Home". Below the header, the greeting "Olá Millenal" and the date "05 de fevereiro de 2020" are displayed. The central part of the screen features a cartoon illustration of two people in business attire; one is holding a document and the other is pointing upwards towards a glowing lightbulb. Below the illustration is a white button with the text "Bem-vindo ao WenLock!". In the top right corner of the main content area, there is a small circular profile picture with the letters "MS" and the name "Miliena Santana Borges" with the email "miliena.santana@energy.org.br" underneath. To the right of the name is a "Sair" (Logout) link.

Home com siderbar recolhido (à esquerda) e  
menu suspenso amostra (canto superior direito)

This screenshot shows the WenLock application interface with the sidebar collapsed. The sidebar is now located at the very bottom of the screen, displaying the WenLock logo, the "Powered by Conectthus" information, and the same three icons (home, dropdown, user) as the previous screenshot. The main content area is identical to the first screenshot, featuring the "Home" header, the "Olá Millenal" greeting, the date "05 de fevereiro de 2020", the cartoon illustration, the "Bem-vindo ao WenLock!" button, and the user profile in the top right corner.

# Listagem de Usuários

Tela de listagem de usuários, ao fazer a busca.

The screenshot shows the WenLock application interface. On the left, there's a sidebar with 'WenLock.' at the top, followed by 'Home', 'Controle de Acesso', and 'Usuários'. The main area has a header 'Usuários' with a search bar labeled 'Pesquisa'. Below is a table with columns 'Nome' and 'Ações'. The table contains four rows: 'Raquel Duarte', 'Mateus de Jesus Santos', 'João Silva Soares', and 'Rafael Rocha'. Each row has a set of icons for actions like edit and delete. At the bottom, it says 'Total de itens: 4' and 'Itens por página: 15' with a dropdown, and '1 de 1'.

Ação de visualizar dados de usuário específico.

This screenshot shows the 'Visualizar Usuário' (View User) modal window. It has a header 'Visualizar Usuário' with a close button. The left side shows a list of users: 'Raquel Duarte', 'Mateus de Jesus Santos', 'João Silva Soares', and 'Rafael Rocha'. The right side displays 'Dados do Usuário' (User Data) for 'Mateus de Jesus Santos' with a matrícula of '123456'. It also shows 'E-mail' as 'mateus.santos@icomp.ufam.edu.br'. Below that is a 'Detalhes' (Details) section with 'Data de criação' (Creation Date) as '05/02/2026' and 'Última edição' (Last Edit) as 'Nenhuma' (None). At the bottom of the modal, it says 'Total de itens: 4'.

# Cadastro de Usuários

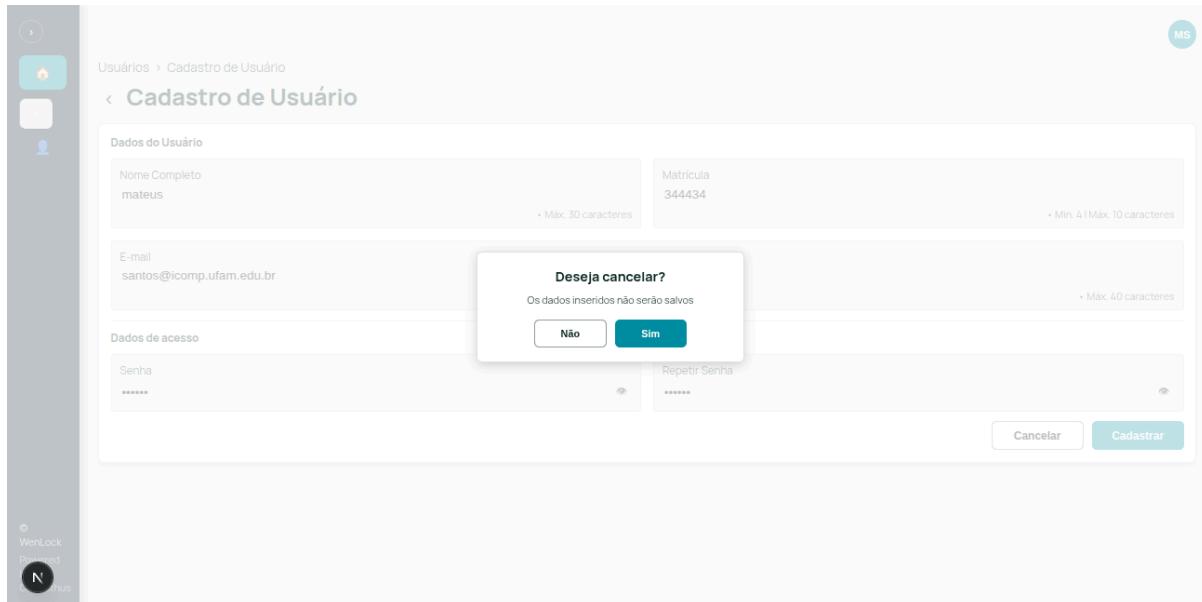
## Cadastro de usuário com entradas válidas

The screenshot shows a user registration form titled "Cadastro de Usuário". The "Dados do Usuário" section contains fields for "Nome Completo" (Ana beatriz), "Matrícula" (112233), and "E-mail" (ana@gmail.com). The "Dados de acesso" section contains fields for "Senha" (\*\*\*\*\*) and "Repetir Senha" (ana789). The "Cancelar" and "Cadastrar" buttons are visible at the bottom right.

## Cadastro de usuário bloqueado, por entradas válidas.

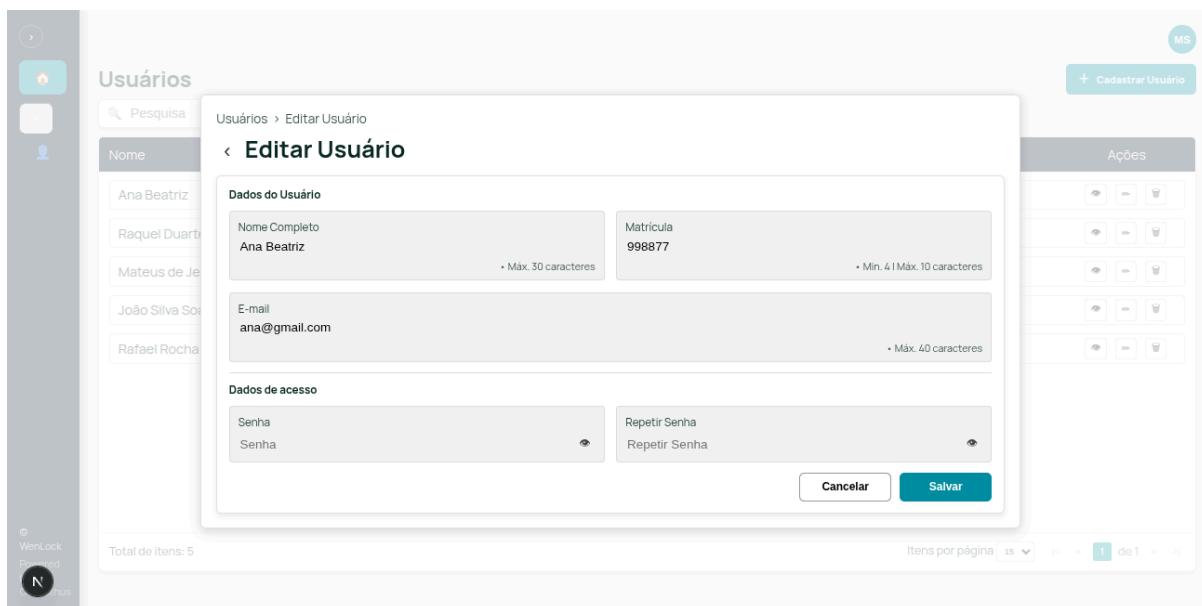
The screenshot shows a user registration form titled "Cadastro de Usuário". The "Dados do Usuário" section has an error message "Nome é obrigatório." above the "Nome Completo" field, which contains "Insira o nome completo\*". The "Matrícula" field contains "234" and has an error message "Min. 4 caracteres.". The "E-mail" field contains "santos@br" and has an error message "E-mail inválido.". The "Dados de acesso" section has two error messages: "Senha deve ter 6 caracteres alfanuméricos." above the "Senha" field (containing "566") and "Senhas não conferem." above the "Repetir Senha" field (containing "w43443"). The "Cancelar" and "Cadastrar" buttons are visible at the bottom right.

**Mensagem de confirmação de cancelamento no processo de cadastro.  
As ações de Cadastro, Edição e Exclusão tem mensagem de confirmação.**



## Edição de Usuários

**Se utiliza do mesmo modal de cadastro. O campo “senha” não vem automaticamente do banco, por segurança. Todos os campos são editáveis.**



## Exclusão de Usuários

Disponível ao clicar na ação de exclusão de um usuário específico.

The screenshot shows a list of users with their names: Ana Beatriz, Raquel Duarte, Mateus de Jesus Santos, João Silva Soares, and Rafael Rocha. A modal dialog box is centered over the list, asking "Deseja excluir?" (Do you want to delete?). Below the question, it says "O usuário será excluído." (The user will be deleted). There are two buttons: "Não" (No) and "Sim" (Yes). The "Sim" button is highlighted with a dark background and white text. At the bottom of the page, there is a message "Total de itens: 5" and a pagination bar showing "1 de 1".

Usuário excluído com sucesso, como mostra a notificação no canto superior direito.

The screenshot shows the same list of users as the previous screenshot, but now with one item removed: João Silva Soares. A green notification bar at the top right of the page says "✓ Usuário excluído com sucesso! X". At the bottom of the page, there is a message "Total de itens: 4" and a pagination bar showing "1 de 1".