

University of Macau
Faculty of Science and Technology



澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU

2024-2025-CISC3003-001 Web Programming

Final Project

By

Team09

Kuan Hou In DC227476

Mak Weng Hou DC227551

Lei Ka Chon DC207583

Chong Chi Hoi DC226952

Abstract

This report details the development of the "Chatbot Website Project," a conversational chatbot website. Inspired by ChatGPT, the application offers a simplified yet functional interface with real-time chat capabilities, user authentication, conversation history management, and model selection features. The technology stack includes FastAPI for the backend, PostgreSQL for persistent data storage, and vanilla JavaScript for the frontend, ensuring a modern and efficient architecture. Key functionalities include WebSocket-based real-time messaging, secure authentication via Supabase (supporting Google and email logins), and a responsive multi-page design compatible across devices. The project comprises five main pages: chat interface, conversation history, user profile, subscription simulation, and settings. This report outlines the project's architecture, implementation details, and deployment process, while reflecting on the team's accomplishments and lessons learned. The development process emphasized practical application of web programming concepts, resulting in a robust, user-centric application that meets course requirements and showcases the team's collaborative efforts.

List of Service

The primary web application developed is the Chatbot Website, encompassing the following integrated services:

1. Real-Time Chat Interface – Enables seamless, interactive conversations with streaming responses.
2. User Authentication System – Provides secure login options using Supabase.
3. Conversation History Management – Allows storage, retrieval, and management of chat logs.
4. Model Selection Feature – Permits users to choose from available language models.
5. Multi-Page Website Layout – Delivers a navigable structure with five distinct pages.

List of Tasks (Group + Individual Assigned)

The project was a collaborative effort with tasks distributed as follows:

Mak Weng Hou [DC227551] - Backend development with FastAPI and WebSocket integration. Database design and management with SQLAlchemy and PostgreSQL. Deployment setup with Docker and GitHub Actions.

Lei Ka Chon [DC207583] - Frontend development using HTML, CSS, and JavaScript. Authentication implementation using Supabase.

Kuan Hou In [DC227476] - Database design and management with SQLAlchemy and PostgreSQL. Deployment setup with GitHub Actions.

Chong Chi Hoi [DC226952] - Frontend development using HTML, CSS, and JavaScript. Authentication implementation using Supabase.

Group efforts included planning, integration testing, and documentation.

Project Accomplishments

Front-End Development

The frontend was crafted with a mobile-first, responsive design using HTML, CSS, and vanilla JavaScript. Key pages include:

1. Chat Interface: Real-time messaging with markdown-rendered responses.
2. Conversation History: Infinite scrolling, search, and editable titles.
3. User Profile: Displays and updates user details and model preferences.
4. Subscription Simulation: Static plan details and status display.
5. Settings: Basic configuration options to meet multi-page requirements.

Back-End Development

The backend leverages Python with FastAPI and PostgreSQL:

1. Database Connectivity: SQLAlchemy facilitates ORM for PostgreSQL, managing users and conversations.
2. Data Population: User profiles and chat logs are created dynamically.
3. Data Retrieval: Queries support real-time chat and history features.

Webpage and Coding:

Webpage Structure

- Landing Page (index.html): A marketing hub with sections for features, project purpose, team details, and calls-to-action. It uses modern CSS shapes and lazy loaded images for visual appeal and performance.
- Chat Page (home.html): The core interaction interface, featuring a responsive chat layout with distinct user and bot message styling.
- History Page (history.html): Displays a searchable, editable conversation list, with infinite scrolling for performance.

- Profile Page (profile.html): A form-based interface for managing user details and theme preferences, with a responsive card layout.
- Authentication Pages (login.html, register.html, ch_pw.html, reset.html): Secure interfaces for account management, with client-side validation and error handling. The login page is integrated with sign-in-with-Google modern method.

Coding Practices

- Frontend:

JS: VanillaJavaScript with ES modules (script.js, app.js, profile.js, etc.) ensures modular functionality. Event listeners handle user interactions such as form submissions and theme switching.

CSS: We designed custom CSS stylesheets for various page properties and implemented responsive design through media queries. A separate RL_styles.css style sheet is provided to match the authentication page.

- Backend:

WebSocket: WebSocket integration supports instant messaging. Python's FastAPI provides a clean API structure with SQLAlchemy for database interaction.

Supabase: Provides third-party authentication and database services to complement PostgreSQL's user management.

Error handling: Server-side checks ensure strong input handling. Success and error messages use aria-live for accessibility.

- Third-party component integration

Google Sign-in: Implemented login.html using OAuth 2.0 to simplify authentication.

Cloudflare Security: An embedded script in the HTML archive integrates Cloudflare's challenge platform for chatbot protection.

- Optimization strategy:

Delay loading of images to reduce initial page load time.

Minify CSS and modularize JavaScript to minimize resource usage

Efficient database query with indexing to support real-time functions.

Project Insight and Learning

The team gained expertise in:

- Real-time communication using WebSockets.
- Third-party authentication integration with Supabase.
- Responsive design principles for cross-device compatibility.
- Challenges like WebSocket stability were overcome through reconnection logic and rigorous testing.

Installation Instructions

1. Prerequisites

Ensure you have the following installed:

- **Docker** and **Docker Compose** (recommended for deployment)
- **Git**

You'll also need accounts for:

- **Supabase**: For authentication and database.
- **OpenAI** (or another API provider, if applicable)

2. Set Up Your Supabase Instance

Follow these steps to create and configure your own Supabase project.

2.1 Create a Supabase Account

- Visit Supabase and sign up for an account.

2.2 Create a New Project

1. Log in to your Supabase dashboard.
2. Click **New Project** and provide:
 - a. A project name.

- b. A region for hosting.
- c. A secure database password (save this).

2.3 Obtain Supabase Credentials

1. In the dashboard, go to **Settings > API**:
 - a. **Project URL**: Copy this (your SUPABASE_URL).
 - b. **Anon Key**: Copy this (your SUPABASE_ANON_KEY, for frontend use).
2. Go to **Settings > Database**:
 - a. Copy the **Connection String** (your DATABASE_URL).
3. Go to **Settings > API > JWT Settings**:
 - a. Copy the **JWT Secret** (your SUPABASE_JWT_SECRET).

3. Configure Environment Variables

3.1 Backend Configuration

1. *Copy the example environment file:*

Copy **.env.cloud-db.example** and rename to **.env**

2. *Edit .env with your Supabase credentials:*

```
DATABASE_URL=postgresql://[user]:[password]@[host]:[port]/[dbname]
SUPABASE_URL=https://your-supabase-project.supabase.co
SUPABASE_JWT_SECRET=your-jwt-secret
OPENAI_API_KEY=your-openai-api-key
```

3.2 Frontend Configuration

The frontend needs these variables:

- SUPABASE_URL: Your Supabase project URL.

- SUPABASE_ANON_KEY: Your Supabase anon key.

1. Go to `/frontend/public/js/config.js`
2. Edit `config.js` with your Supabase credentials:

SUPABASE_URL=`https://your-supabase-project.supabase.co`

SUPABASE_ANON_KEY=`your-supabase-anon-key`

3.3 Docker Configuration

1. Go to `/docker/production/.env`
2. Copy the example environment file:

Copy `.env.cloud-db.example` and rename to `.env`

3. Edit `.env` with your Supabase credentials:

```

DATABASE_URL=postgresql://[user]:[password]@[host]:[port]/[dbname]
SUPABASE_URL=https://your-supabase-project.supabase.co
SUPABASE_JWT_SECRET=your-jwt-secret
OPENAI_API_KEY=your-openai-api-key

```

4. Run the Project

Using Docker (Recommended)

Start the application by running,

you may choose to replace `'docker/development/docker-compose.yml'` with `'docker/production/docker-compose.yml'` if you want to run the production version of the application.

'BASH'

```

docker compose --project-directory ./ -f docker/development/docker-compose.yml --
env-file docker/development/.env up --build --remove-orphans

```

Add a **--detach** flag at the end to run it in detached mode.

Database Initialization

- When the app runs, it should automatically create database tables using SQLMode.
- The table is already write in /backend/src/chatbot_api/database.py

Project Incomplete

Payment method implementation

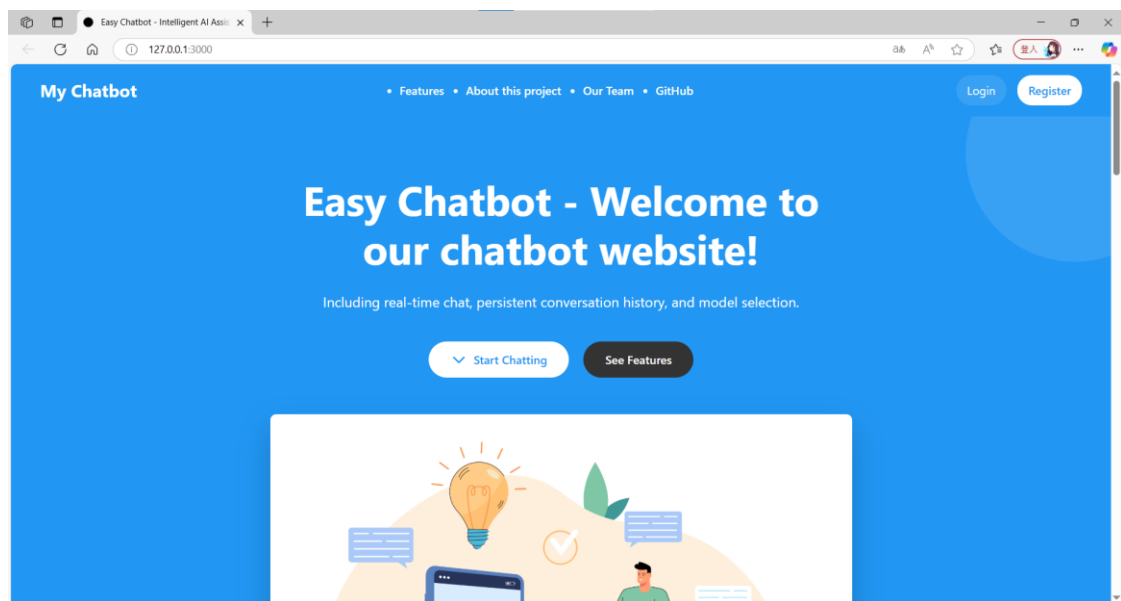
Subscription Payment simulation

Model Selection

Workthrough (frontend and Backend)

Welcome Page:

I enter the website; I go to the welcome page.

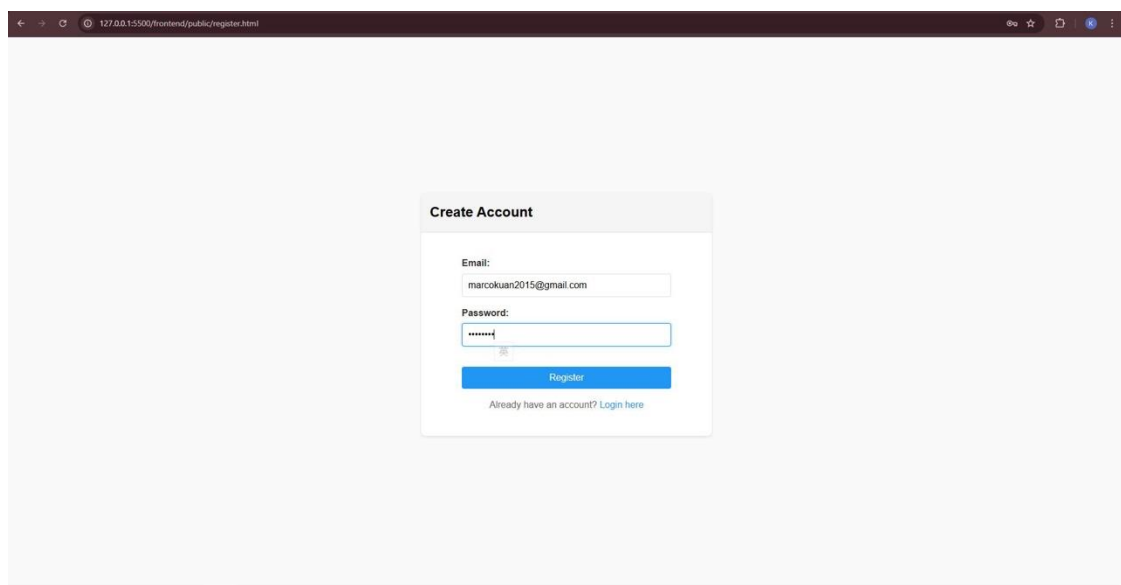


I click the Register button and then I am directed to the register page.

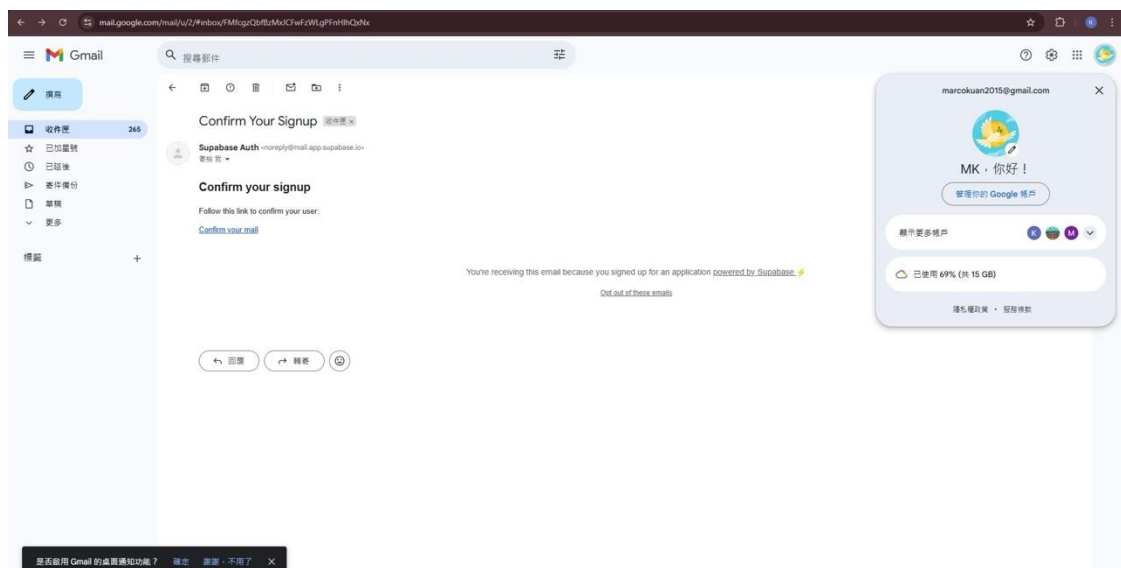


Reister Page:

(I am going to Register a new Account on it)



Validation Email Received (send by Supabase), then I click the [Confirmed your email](#) button.



Meanwhile in the database, you can find my email in the first row.

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chatbot-2

Connect

Enable debugging

Table Editor

schema: auth

Viewing protected schema

This schema is managed by Supabase and is read-only through the table editor

Learn more

Search tables

auth_log_entries

flow_state

identities

instances

mfa_anr_claims

mfa_challenges

mfa_factors

one_time_tokens

refresh_tokens

saml_providers

saml_relay_states

schema_migrations

sessions

sso_domains

sso_providers

users

Filter

Sorted by 1 rule

id	auth_id	email	password	created_at	updated_at	deleted_at	is_verified	is_anonymous	is_sso	is_mfa	is_2fa	is_3fa	is_4fa	is_5fa	is_6fa	is_7fa	is_8fa	is_9fa	is_10fa	is_11fa	is_12fa	is_13fa	is_14fa	is_15fa	is_16fa	is_17fa	is_18fa	is_19fa	is_20fa	is_21fa	is_22fa	is_23fa	is_24fa	is_25fa	is_26fa	is_27fa	is_28fa	is_29fa	is_30fa	is_31fa	is_32fa	is_33fa	is_34fa	is_35fa	is_36fa	is_37fa	is_38fa	is_39fa	is_40fa	is_41fa	is_42fa	is_43fa	is_44fa	is_45fa	is_46fa	is_47fa	is_48fa	is_49fa	is_50fa	is_51fa	is_52fa	is_53fa	is_54fa	is_55fa	is_56fa	is_57fa	is_58fa	is_59fa	is_60fa	is_61fa	is_62fa	is_63fa	is_64fa	is_65fa	is_66fa	is_67fa	is_68fa	is_69fa	is_70fa	is_71fa	is_72fa	is_73fa	is_74fa	is_75fa	is_76fa	is_77fa	is_78fa	is_79fa	is_80fa	is_81fa	is_82fa	is_83fa	is_84fa	is_85fa	is_86fa	is_87fa	is_88fa	is_89fa	is_90fa	is_91fa	is_92fa	is_93fa	is_94fa	is_95fa	is_96fa	is_97fa	is_98fa	is_99fa	is_100fa	is_101fa	is_102fa	is_103fa	is_104fa	is_105fa	is_106fa	is_107fa	is_108fa	is_109fa	is_110fa	is_111fa	is_112fa	is_113fa	is_114fa	is_115fa	is_116fa	is_117fa	is_118fa	is_119fa	is_120fa	is_121fa	is_122fa	is_123fa	is_124fa	is_125fa	is_126fa	is_127fa	is_128fa	is_129fa	is_130fa	is_131fa	is_132fa	is_133fa	is_134fa	is_135fa	is_136fa	is_137fa	is_138fa	is_139fa	is_140fa	is_141fa	is_142fa	is_143fa	is_144fa	is_145fa	is_146fa	is_147fa	is_148fa	is_149fa	is_150fa	is_151fa	is_152fa	is_153fa	is_154fa	is_155fa	is_156fa	is_157fa	is_158fa	is_159fa	is_160fa	is_161fa	is_162fa	is_163fa	is_164fa	is_165fa	is_166fa	is_167fa	is_168fa	is_169fa	is_170fa	is_171fa	is_172fa	is_173fa	is_174fa	is_175fa	is_176fa	is_177fa	is_178fa	is_179fa	is_180fa	is_181fa	is_182fa	is_183fa	is_184fa	is_185fa	is_186fa	is_187fa	is_188fa	is_189fa	is_190fa	is_191fa	is_192fa	is_193fa	is_194fa	is_195fa	is_196fa	is_197fa	is_198fa	is_199fa	is_200fa	is_201fa	is_202fa	is_203fa	is_204fa	is_205fa	is_206fa	is_207fa	is_208fa	is_209fa	is_210fa	is_211fa	is_212fa	is_213fa	is_214fa	is_215fa	is_216fa	is_217fa	is_218fa	is_219fa	is_220fa	is_221fa	is_222fa	is_223fa	is_224fa	is_225fa	is_226fa	is_227fa	is_228fa	is_229fa	is_230fa	is_231fa	is_232fa	is_233fa	is_234fa	is_235fa	is_236fa	is_237fa	is_238fa	is_239fa	is_240fa	is_241fa	is_242fa	is_243fa	is_244fa	is_245fa	is_246fa	is_247fa	is_248fa	is_249fa	is_250fa	is_251fa	is_252fa	is_253fa	is_254fa	is_255fa	is_256fa	is_257fa	is_258fa	is_259fa	is_260fa	is_261fa	is_262fa	is_263fa	is_264fa	is_265fa	is_266fa	is_267fa	is_268fa	is_269fa	is_270fa	is_271fa	is_272fa	is_273fa	is_274fa	is_275fa	is_276fa	is_277fa	is_278fa	is_279fa	is_280fa	is_281fa	is_282fa	is_283fa	is_284fa	is_285fa	is_286fa	is_287fa	is_288fa	is_289fa	is_290fa	is_291fa	is_292fa	is_293fa	is_294fa	is_295fa	is_296fa	is_297fa	is_298fa	is_299fa	is_300fa	is_301fa	is_302fa	is_303fa	is_304fa	is_305fa	is_306fa	is_307fa	is_308fa	is_309fa	is_310fa	is_311fa	is_312fa	is_313fa	is_314fa	is_315fa	is_316fa	is_317fa	is_318fa	is_319fa	is_320fa	is_321fa	is_322fa	is_323fa	is_324fa	is_325fa	is_326fa	is_327fa	is_328fa	is_329fa	is_330fa	is_331fa	is_332fa	is_333fa	is_334fa	is_335fa	is_336fa	is_337fa	is_338fa	is_339fa	is_340fa	is_341fa	is_342fa	is_343fa	is_344fa	is_345fa	is_346fa	is_347fa	is_348fa	is_349fa	is_350fa	is_351fa	is_352fa	is_353fa	is_354fa	is_355fa	is_356fa	is_357fa	is_358fa	is_359fa	is_360fa	is_361fa	is_362fa	is_363fa	is_364fa	is_365fa	is_366fa	is_367fa	is_368fa	is_369fa	is_370fa	is_371fa	is_372fa	is_373fa	is_374fa	is_375fa	is_376fa	is_377fa	is_378fa	is_379fa	is_380fa	is_381fa	is_382fa	is_383fa	is_384fa	is_385fa	is_386fa	is_387fa	is_388fa	is_389fa	is_390fa	is_391fa	is_392fa	is_393fa	is_394fa	is_395fa	is_396fa	is_397fa	is_398fa	is_399fa	is_400fa	is_401fa	is_402fa	is_403fa	is_404fa	is_405fa	is_406fa	is_407fa	is_408fa	is_409fa	is_410fa	is_411fa	is_412fa	is_413fa	is_414fa	is_415fa	is_416fa	is_417fa	is_418fa	is_419fa	is_420fa	is_421fa	is_422fa	is_423fa	is_424fa	is_425fa	is_426fa	is_427fa	is_428fa	is_429fa	is_430fa	is_431fa	is_432fa	is_433fa	is_434fa	is_435fa	is_436fa	is_437fa	is_438fa	is_439fa	is_440fa	is_441fa	is_442fa	is_443fa	is_444fa	is_445fa	is_446fa	is_447fa	is_448fa	is_449fa	is_450fa	is_451fa	is_452fa	is_453fa	is_454fa	is_455fa	is_456fa	is_457fa	is_458fa	is_459fa	is_460fa	is_461fa	is_462fa	is_463fa	is_464fa	is_465fa	is_466fa	is_467fa	is_468fa	is_469fa	is_470fa	is_471fa	is_472fa	is_473fa	is_474fa	is_475fa	is_476fa	is_477fa	is_478fa	is_479fa	is_480fa	is_481fa	is_482fa	is_483fa	is_484fa	is_485fa	is_486fa	is_487fa	is_488fa	is_489fa	is_490fa	is_491fa	is_492fa	is_493fa	is_494fa	is_495fa	is_496fa	is_497fa	is_498fa	is_499fa	is_500fa	is_501fa	is_502fa	is_503fa	is_504fa	is_505fa	is_506fa	is_507fa	is_508fa	is_509fa	is_510fa	is_511fa	is_512fa	is_513fa	is_514fa	is_515fa	is_516fa	is_517fa	is_518fa	is_519fa	is_520fa	is_521fa	is_522fa	is_523fa	is_524fa	is_525fa	is_526fa	is_527fa	is_528fa	is_529fa	is_530fa	is_531fa	is_532fa	is_533fa	is_534fa	is_535fa	is_536fa	is_537fa	is_538fa	is_539fa	is_540fa	is_541fa	is_542fa	is_543fa	is_544fa	is_545fa	is_546fa	is_547fa	is_548fa	is_549fa	is_550fa	is_551fa	is_552fa	is_553fa	is_554fa	is_555fa	is_556fa	is_557fa	is_558fa	is_559fa	is_560fa	is_561fa	is_562fa	is_563fa	is_564fa	is_565fa	is_566fa	is_567fa	is_568fa	is_569fa	is_570fa	is_571fa	is_572fa	is_573fa	is_574fa	is_575fa	is_576fa	is_577fa	is_578fa	is_579fa	is_580fa	is_581fa	is_582fa	is_583fa	is_584fa	is_585fa	is_586fa	is_587fa	is_588fa	is_589fa	is_590fa	is_591fa	is_592fa	is_593fa	is_594fa	is_595fa	is_596fa	is_597fa	is_598fa	is_599fa	is_600fa	is_601fa	is_602fa	is_603fa	is_604fa	is_605fa	is_606fa	is_607fa	is_608fa	is_609fa	is_610fa	is_611fa	is_612fa	is_613fa	is_614fa	is_615fa	is_616fa	is_617fa	is_618fa	is_619fa	is_620fa	is_621fa	is_622fa	is_623fa	is_624fa	is_625fa	is_626fa	is_627fa	is_628fa	is_629fa	is_630fa	is_631fa	is_632fa	is_633fa	is_634fa	is_635fa	is_636fa	is_637fa	is_638fa	is_639fa	is_640fa	is_641fa	is_642fa	is_643fa	is_644fa	is_645fa	is_646fa	is_647fa	is_648fa	is_649fa	is_650fa	is_651fa	is_652fa	is_653fa	is_654fa	is_655fa	is_656fa	is_657fa	is_658fa	is_659fa	is_660fa	is_661fa	is_662fa	is_663fa	is_664fa	is_665fa	is_666fa	is_667fa	is_668fa	is_669fa	is_670fa	is_671fa	is_672fa	is_673fa	is_674fa	is_675fa	is_676fa	is_677fa	is_678fa	is_679fa	is_680fa	is_681fa	is_682fa	is_683fa	is_684fa	is_685fa	is_686fa	is_687fa	is_688fa	is_689fa	is_690fa	is_691fa	is_692fa	is_693fa	is_694fa	is_695fa	is_696fa	is_697fa	is_698fa	is_699fa	is_700fa	is_701fa	is_702fa	is_703fa	is_704fa	is_705fa	is_706fa	is_707fa	is_708fa	is_709fa	is_710fa	is_711fa	is_712fa	is_713fa	is_714fa	is_715fa	is_716fa	is_717fa	is_718fa	is_719fa	is_720fa	is_721fa	is_722fa	is_723fa	is_724fa	is_725fa	is_726fa	is_727fa	is_728fa	is_729fa	is_730fa	is_731fa	is_732fa	is_733fa	is_734fa	is_735fa	is_736fa	is_737fa	is_738fa	is_739fa	is_740fa	is_741fa	is_742fa	is_743fa	is_744fa	is_745fa	is_746fa	is_747fa	is_748fa	is_749fa	is_750fa	is_751fa	is_752fa	is_753fa	is_754fa	is_755fa	is_756fa	is_757fa	is_758fa	is_759fa	is_760fa	is_761fa	is_762fa	is_763fa	is_764fa	is_765fa	is_766fa	is_767fa	is_768fa	is_769fa	is_770fa	is_771fa	is_772fa	is_773fa	is_774fa	is_775fa	is_776fa	is_777fa	is_778fa	is_779fa	is_780fa	is_781fa	is_782fa	is_783fa	is_784fa	is_785fa	is_786fa	is_787fa	is_788fa	is_789fa	is_790fa	is_791fa	is_792fa	is_793fa	is_794fa	is_795fa	is_796fa	is_797fa	is_798fa	is_799fa	is_800fa	is_801fa	is_802fa	is_803fa	is_804fa	is_805fa	is_806fa	is_807fa	is_808fa	is_809fa	is_810fa	is_811fa	is_812fa	is_813fa	is_814fa	is_815fa	is_816fa	is_817fa	is_818fa	is_819fa	is_820fa	is_821fa	is_822fa	is_823fa	is_824fa	is_825fa	is_826fa	is_827fa	is_828fa	is_829fa	is_830fa	is_831fa	is_832fa	is_833fa	is_834fa	is_835fa	is_836fa	is_837fa	is_838fa	is_839fa	is_840fa	is_841fa	is_842fa	is_843fa	is_844fa	is_845fa	is_846fa	is_847fa	is_848fa	is_849fa	is_850fa	is_851fa	is_852fa	is_853fa	is_854fa	is_855fa	is_856fa	is_857fa	is_858fa	is_859fa	is_860fa	is_861fa	is_862fa	is_863fa	is_864fa	is_865fa	is_866fa	is_867fa	is_868fa	is_869fa	is_870fa	is_871fa	is_872fa	is_873fa	is_874fa	is_875fa	is_876fa	is_877fa	is_878fa	is_879fa	is_880fa	is_881fa	is_882fa	is_883fa	is_884fa	is_885fa	is_886fa	is_887fa	is_888fa	is_889fa	is_890fa	is_891fa	is_892fa	is_893fa	is_894fa	is_895fa	is_896fa	is_897fa	is_898fa	is_899fa	is_900fa	is_901fa	is_902fa	is_903fa	is_904fa	is_905fa	is_906fa	is_907fa	is_908fa	is_909fa	is_910fa	is_911fa	is_912fa	is_913fa	is_914fa	is_915fa	is_916fa	is_917fa	is_918fa	is_919fa	is_920fa	is_921fa	is_922fa	is_923fa	is_924fa	is_925fa	is_926fa	is_927fa	is_928fa	is_929fa	is_930fa	is_931fa	is_932fa	is_933fa	is_934fa	is_935fa	is_936fa	is_937fa	is_938fa	is_939fa	is_940fa	is_941fa	is_942fa	is_943fa	is_944fa	is_945fa	is_946fa	is_947fa	is_948fa	is_949fa	is_950fa	is_951fa	is_952fa	is_953fa	is_954fa	is_955fa	is_956fa	is_957fa	is_958fa	is_959fa	is_960fa	is_961fa	is_962fa	is_963fa	is_964fa	is_965fa	is_966fa	is_967fa	is_968fa	is_969fa	is_970fa	is_971fa	is_972fa	is_973fa	is_974fa	is_975fa	is_976fa	is_977fa	is_978fa	is_979fa	is_980fa	is_981fa	is_982fa	is_983fa	is_984fa	is_985fa	is_986fa	is_987fa	is_988fa	is_989fa	is_990fa	is_991fa	is_992fa	is_993fa	is_994fa	is_995fa	is_996fa	is_997fa	is_998fa	is_999fa	is_1000fa
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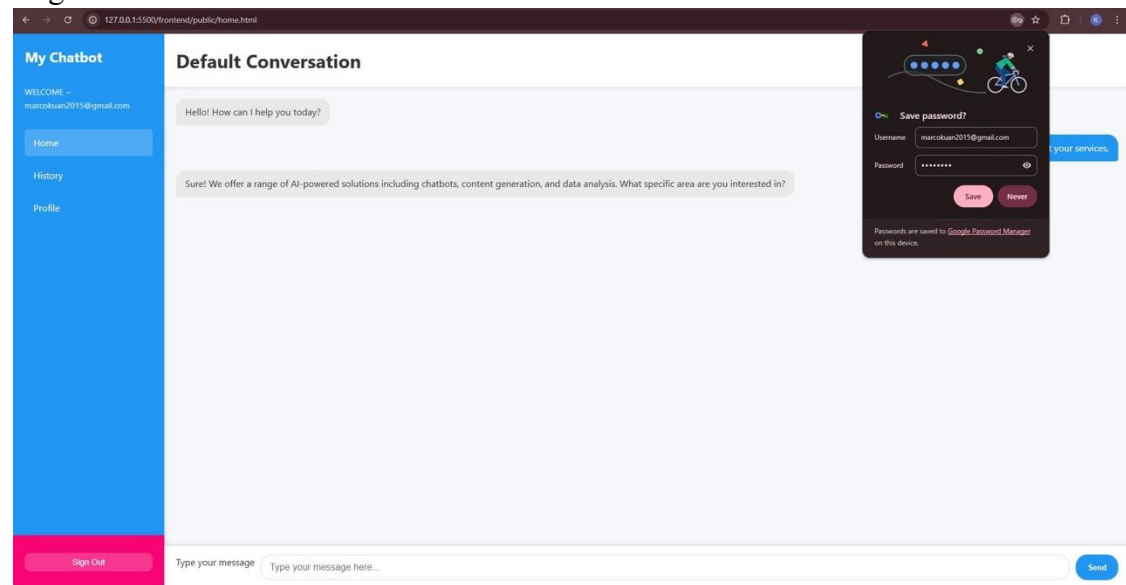
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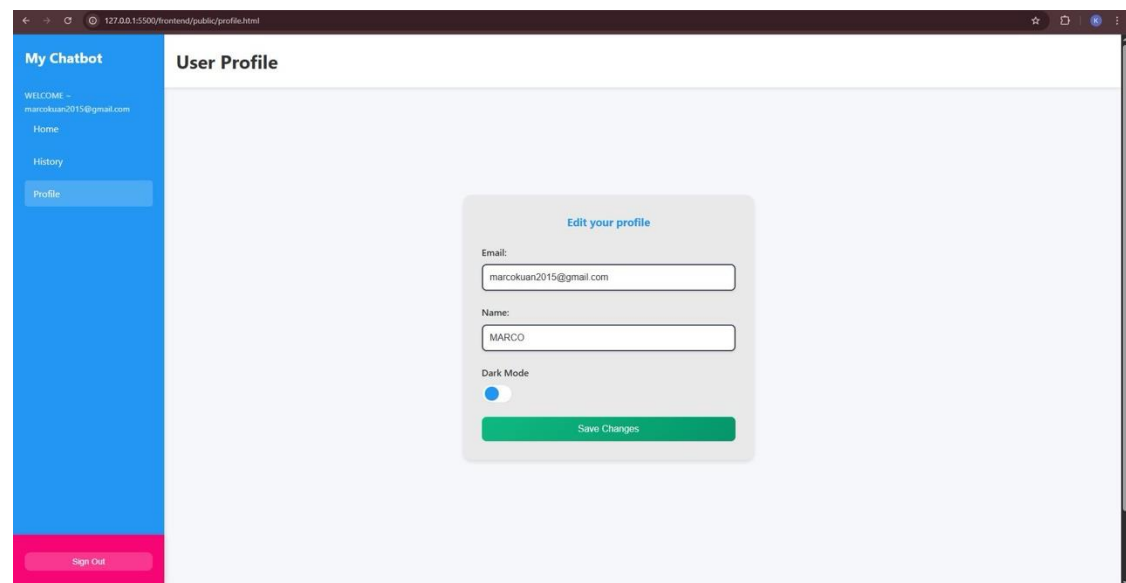
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On the public user table(the first row is my new account)

Login successful



Change Name in the Profile page



Meanwhile on the database:

Table Editor: user

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bbdc3a8e-0148-4668-8194-c458...	NI	NULL	2025-05-05 09:41:41.448778+00	2025-05-11 07:42:30.303081+00	light
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e0276c3-7e7f-46a3-a553-889a0...	User3	https://lh3.googleusercontent.com/...	2025-05-08 06:28:40.27619+00	2025-05-08 13:38:21.655778+00	light
2018a7e-aede-4830-a5a3-34392...	User	NULL	2025-05-08 07:55:41.048114+00	2025-05-08 07:55:41.048114+00	light
f6b8b67-6ca0-4189-8c3b-20756...	User	NULL	2025-05-08 07:54:56.978422+00	2025-05-08 07:54:56.978422+00	light
b43aeb03-4646-4614-b29f-ba677...	User	NULL	2025-05-08 07:54:07.884779+00	2025-05-08 07:54:07.884779+00	light
8c0a8ba0-778f-458b-a56a-edf2...	User	NULL	2025-05-08 07:53:38.670421+00	2025-05-08 07:53:38.670421+00	light
7ea55aa-791f-4b1b-a0e1-811dc12...	User	NULL	2025-05-08 07:52:27.297961+00	2025-05-08 07:52:27.297961+00	light
1ea8d395-c5a4-4680-ba9a-9a687...	User	NULL	2025-05-08 07:44:53.564078+00	2025-05-08 07:44:53.564078+00	light
81407229-fb0c-4d97-839e-da6dd...	User	NULL	2025-05-08 07:44:08.179328+00	2025-05-08 07:44:08.179328+00	light
7477e6c2-4752-4a6d-9835-b06b6...	User	NULL	2025-05-08 07:44:20.030448+00	2025-05-08 07:44:20.030448+00	light
e3aa292c-5c19-466e-b129-0452a...	User	NULL	2025-05-08 07:42:04.413127+00	2025-05-08 07:42:04.413127+00	light
676210bb-1034-4239-933d-e769f...	User	NULL	2025-05-08 06:49:37.382242+00	2025-05-08 06:49:37.382242+00	light
4a6da6dd-35c9-42bb-8a64-caaa...	User	https://lh3.googleusercontent.com/...	2025-05-08 06:15:58.78905+00	2025-05-08 06:15:58.78905+00	light
c7bae1d-9d3d-46ab-wa3b-34652...	User	https://lh3.googleusercontent.com/...	2025-05-07 11:33:53.97893+00	2025-05-07 11:33:53.97893+00	light

Theme change :

My Chatbot

WELCOME - marcokuan2015@gmail.com

Home

History

Profile

Sign Out

User Profile

[Edit your profile](#)

Email: marcokuan2015@gmail.com

Name: MARCO

Dark Mode: ☒

Save Changes

Start a New Conversation:

My Chatbot

WELCOME - marcokuan2015@gmail.com

Home

History

Profile

Sign Out

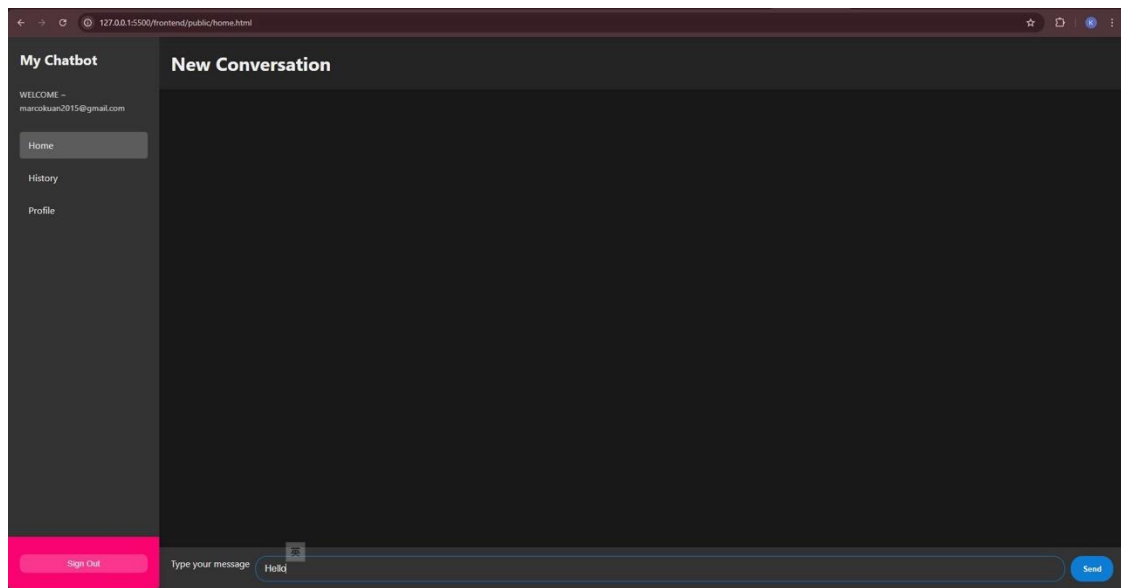
Hello123

Hello! How can I assist you today?

Hello

Type your message

Send



Meanwhile on the database:

Filter	Sorted by 1 rule	Insert	Add RLS policy	Postgres	Realtime off	API Docs
id	user_id	title	model	created_at	updated_at	
32	4606c882-167e-42f6-b6b1-30a91...	New Conversation	gpt-4.1-nano	2025-05-11 08:36:42.599546+0	2025-05-11 08:50:03.252786+0	
31	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-11 07:32:35.864187+0	2025-05-11 08:31:26.254662+0	
25	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:27.456681+0	2025-05-10 15:06:28.739622+0	
24	b8dc3a8e-0148-46b8-81e4-c4588...	macau	gpt-4.1-nano	2025-05-09 12:39:26.335971+0	2025-05-11 08:32:43.537239+0	
30	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:26.191444+0	2025-05-10 14:19:44.053702+0	
29	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:26.070246+0	2025-05-10 13:59:42.42848+0	
28	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:25.92543+0	2025-05-10 13:28:16.125444+0	
27	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:25.7384+0	2025-05-10 13:27:54.858488+0	
26	b8dc3a8e-0148-46b8-81e4-c4588...	HA	gpt-4.1-nano	2025-05-09 12:39:25.602876+0	2025-05-11 08:28:42.959197+0	
23	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:25.423967+0	2025-05-10 14:47:16.354092+0	
22	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:25.266294+0	2025-05-10 14:50:53.598626+0	
21	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:24.649205+0	2025-05-10 14:34:07.681779+0	
20	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:21.616714+0	2025-05-10 14:50:39.1539+0	
19	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:20.9989+0	2025-05-10 14:27:47.646348+0	
18	e027cf9-7ef7-46a9-a553-989bf0...	New Conversation	gpt-4.1-nano	2025-05-08 17:46:36.481432+0	2025-05-08 17:46:36.481485+0	
17	e027cf9-7ef7-46a9-a553-989bf0...	New Conversation	gpt-4.1-nano	2025-05-08 17:46:35.668326+0	2025-05-10 13:59:36.780692+0	
16	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-08 15:12:03.423523+0	2025-05-08 19:19:12.978863+0	
15	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-08 15:12:00.232901+0	2025-05-08 19:18:07.471709+0	
14	b8dc3a8e-0148-46b8-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-08 15:11:59.424114+0	2025-05-08 19:17:44.1245+0	
13	e027cf9-7ef7-46a9-a553-989bf0...	New Conversation	gpt-4.1-nano	2025-05-08 12:04:27.647784+0	2025-05-08 17:47:00.618954+0	
12	8aa4206d-e4a5-4f09-b106-cc014...	New Conversation	gpt-4.1-nano	2025-05-07 12:54:30.268828+0	2025-05-07 12:54:33.783333+0	
11	8aa4206d-e4a5-4f09-b106-cc014...	New Conversation	gpt-4.1-nano	2025-05-07 12:53:17.560944+0	2025-05-07 12:53:17.560944+0	
10	8aa4206d-e4a5-4f09-b106-cc014...	Some text in title	gpt-4.1-nano	2025-05-07 12:20:33.930099+0	2025-05-11 05:33:22.091473+0	

CISC8003

Free

chatbot-2

Connect

Enable branching

Table Editor

Filter

Sorted by rule

Insert

Add RLS policy

postgres

Realtime off

API Docs

schema public

New table

Search tables

conversation

message

payment

plan

subscription

user

id int4

index int4

conversation_id int4

role role

text text

timestamp timestamp

model text

213

1

32

ASSISTANT

Hello! How can I assist you today?

2025-05-11 08:50:05.404676+

gpt-4.1-nano

212

0

32

USER

Hello

2025-05-11 08:50:02.597916+

NULL

211

10

24

ASSISTANT

Hello! The name "John" is a classic male

2025-05-11 08:32:45.645977+

gpt-4.1-nano

210

9

24

USER

What is the meaning of John?

2025-05-11 08:32:42.730776+

NULL

209

3

31

ASSISTANT

Certainly! White tea is a type of tea that

2025-05-11 08:31:28.297282+

gpt-4.1-nano

208

2

31

USER

Could you tell me what is white tea

2025-05-11 08:31:25.446949+

NULL

207

3

26

ASSISTANT

Hello! How can I assist you today?

2025-05-11 08:28:45.249320+

gpt-4.1-nano

206

2

26

USER

Test

2025-05-11 08:28:41.457772+

NULL

205

8

24

USER

Hello

2025-05-11 08:28:37.487691+

NULL

204

1

31

ASSISTANT

As an AI, I don't have personal tastes or p

2025-05-11 08:11:14.806477+

gpt-4.1-nano

203

0

31

USER

Do you like Jasmine Tea?

2025-05-11 08:11:12.231110+

NULL

202

7

24

ASSISTANT

Certainly! White tea is a type of tea that

2025-05-11 07:38:22.208136+

gpt-4.1-nano

201

6

24

USER

Could you tell me what is white tea

2025-05-11 07:38:18.960393+

NULL

200

0

10

USER

Hey

2025-05-11 06:33:20.838793+

NULL

199

6

24

ASSISTANT

Hello! How can I help you today?

2025-05-10 16:29:06.726799+

gpt-4.1-nano

198

4

24

USER

hello

2025-05-10 16:29:03.877208+

NULL

197

3

24

ASSISTANT

Hi there! How can I assist you today?

2025-05-10 15:15:14.910509+

gpt-4.1-nano

196

2

24

USER

Hi

2025-05-10 15:15:10.940498+

NULL

195

45

2

ASSISTANT

Certainly! Jasmine tea is a popular and fr

2025-05-10 14:20:18.207644+

gpt-4.1-nano

194

44

2

USER

iced. Can you talk me something about it

2025-05-10 14:20:15.294883+

NULL

193

1

30

ASSISTANT

I'm glad to hear you enjoy Jasmine Tea! Y

2025-05-10 14:19:46.278734+

gpt-4.1-nano

192

0

30

USER

Do you like drink tea? I like drinking Jasm

2025-05-10 14:19:43.034976+

NULL

191

1

29

ASSISTANT

Making a delicious cup of jasmine tea is s

2025-05-10 13:59:44.691089+

gpt-4.1-nano

Page 1

of 3

100 rows

213 records

Refresh

Data

Definition

Change the conversation Name:

127.0.0.1:5500/frontend/public/history.html

My Chatbot

WELCOME - marckokuan2015@gmail.com

Home

History

Profile

Sign Out

Chat History

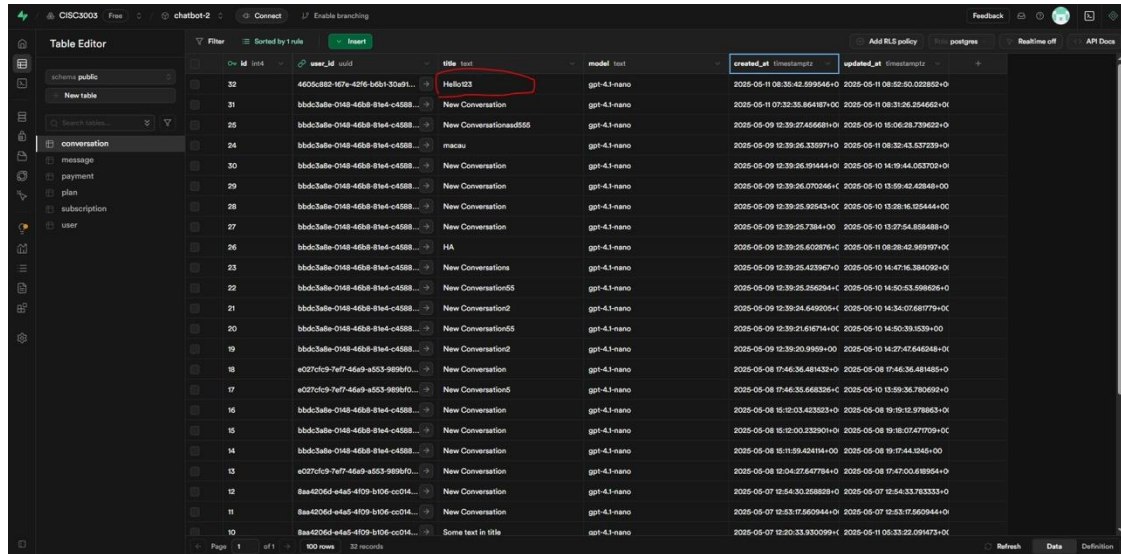
Search conversations

Search conversations

Recent Conversations

Hello123

Meanwhile on the database:



The screenshot shows a database Table Editor interface. On the left, a sidebar lists database schemas: 'public', 'message', 'payment', 'plan', 'subscription', and 'user'. The 'public' schema is selected, and a table named 'conversation' is highlighted. The main area displays a table with the following columns: 'id', 'user_id', 'title', 'model', 'created_at', and 'updated_at'. The first record (id 32) has a 'title' of 'Hello!23', which is circled in red. The table contains 32 records in total, with the last record (id 10) having a 'title' of 'Some text in title'.

id	user_id	title	model	created_at	updated_at
32	4605c882-167e-4216-bd51-30a91...	Hello!23	gpt-4.1-nano	2025-05-11 08:35:42.599546+00	2025-05-11 08:32:50.022852+00
31	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-11 07:32:33.864187+00	2025-05-11 08:31:26.254662+00
25	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversationad555	gpt-4.1-nano	2025-05-09 12:39:27.656681+00	2025-05-09 15:06:28.739622+00
24	bbdc3a8e-0148-4d58-81e4-c4588...	macau	gpt-4.1-nano	2025-05-09 12:39:26.333971+00	2025-05-11 08:32:43.537239+00
30	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:26.591444+00	2025-05-10 14:39:44.053702+00
29	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:26.070346+00	2025-05-10 13:59:42.428489+00
28	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:25.99543+00	2025-05-10 13:28:16.05444+00
27	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-09 12:39:25.7384+00	2025-05-10 13:27:54.858488+00
26	bbdc3a8e-0148-4d58-81e4-c4588...	HA	gpt-4.1-nano	2025-05-09 12:39:26.602876+00	2025-05-11 08:28:42.969197+00
23	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversations	gpt-4.1-nano	2025-05-09 12:39:25.423967+00	2025-05-10 14:47:16.384092+00
22	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversation55	gpt-4.1-nano	2025-05-09 12:39:25.356294+00	2025-05-10 14:50:63.598606+00
21	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversation2	gpt-4.1-nano	2025-05-09 12:39:24.649005+00	2025-05-10 14:34:07.681779+00
20	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversation55	gpt-4.1-nano	2025-05-09 12:39:21.618714+00	2025-05-10 14:30:39.1539+00
19	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversation2	gpt-4.1-nano	2025-05-09 12:39:20.9969+00	2025-05-10 14:27:42.646248+00
18	a027c1c9-7e77-46a9-a553-969f0...	New Conversation	gpt-4.1-nano	2025-05-08 17:46:36.481432+00	2025-05-08 17:46:36.481485+00
17	a027c1c9-7e77-46a9-a553-969f0...	New Conversation5	gpt-4.1-nano	2025-05-08 17:46:35.668326+00	2025-05-10 13:39:36.780692+00
16	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-08 15:12:03.423523+00	2025-05-08 19:19:12.978853+00
15	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-08 15:12:00.332901+00	2025-05-08 19:18:07.47709+00
14	bbdc3a8e-0148-4d58-81e4-c4588...	New Conversation	gpt-4.1-nano	2025-05-08 15:11:59.424114+00	2025-05-08 19:17:44.1245+00
13	a027c1c9-7e77-46a9-a553-969f0...	New Conversation	gpt-4.1-nano	2025-05-08 12:04:27.647784+00	2025-05-08 17:47:00.618954+00
12	Bae4206d-e4a5-4f09-bf06-cc014...	New Conversation	gpt-4.1-nano	2025-05-07 12:54:30.258829+00	2025-05-07 12:54:33.763333+00
11	Bae4206d-e4a5-4f09-bf06-cc014...	New Conversation	gpt-4.1-nano	2025-05-07 12:53:17.560944+00	2025-05-07 12:53:17.560944+00
10	Bae4206d-e4a5-4f09-bf06-cc014...	Some text in title	gpt-4.1-nano	2025-05-07 12:20:33.930099+00	2025-05-11 06:33:22.091473+00