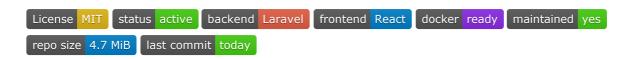
README.md 2025-06-06

SemantiQ Al



SemantiQ AI is an intelligent document analysis system that integrates artificial intelligence to extract information and answer questions based on documents uploaded by users. Using a **Retrieval-Augmented Generation (RAG)** system, the project combines information retrieval with text generation to provide more precise and context-aware responses. The main goal is to optimize document query and management in academic and business environments, facilitating automated access to information.

Installation

Requirements

- Docker and Docker Compose installed.
- (Optional) make installed for faster commands.

Installation Steps

1. Clone the repository

```
git clone https://github.com/looreenz/SemantiQ-AI.git
```

2. Enter the repository

```
cd SemantiQ-AI
```

3. Copy environment files content

- Copy the agent-api/.env.exemple file content into a agent-api/.env file
- Copy the frontend/.env.exemple file content into a frontend/.env file

4. Run Docker Compose

```
cd Docker
docker-compose up --build -d
```

If you have make installed, you can run the following command instead:

make up-build

README.md 2025-06-06

You can check the Makefile in the Docker folder for more shortcuts.

5. Install dependencies

- Go to frontend repository and run npm install
- Got to agent—api repository and run composer install

6. Generate OpenAl API key

Visit the OpenAl API platform and genearte an API key

7. Generate Google credentials to use OAuth2 authentication

- Visit Google Cloud Console and generate GOOGLE_CLIENT_ID and GOOGLE_CLIENT_SECRET
- Copy the two tokens into agent-api/_env

8. Access the application

Frontend: http://localhost:5173

phpMyAdmin: http://localhost:8080

You can now start using the application. Enjoy the development!