Tinder-like API

Document Signature

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Background / Problem Statement

Tinder-like API is a technical test from Dealls. This API is using modified Clean Architecture that I learned when I was a Software Engineer at Tokopedia. Using Golang, Redis, and PostgreSQL as the main technology stack, this API is a great example of how to create a great API using Golang.

Goals

1. Create a Tinder-like API
2. Create a documentation for the API
3. Create a test for the API

Non-Goals

1. Create a frontend for the API

Functional Requirements

1. Golang 1.21
   A great language for backend development. I choose this language because it's fast, easy to use, and has a great community. For this project, I use Go 1.21 because it's the latest version of Go. Fiber is a great framework for Go, it's fast and easy to use. I use GORM as the ORM for this project because it's easy to use and has a great community.
2. PostgreSQL

PostgreSQL is a great database for relational data. I choose this database because it's easy to use and has a great community. I use pgx as the PostgreSQL driver for this project because it's fast and easy to use.

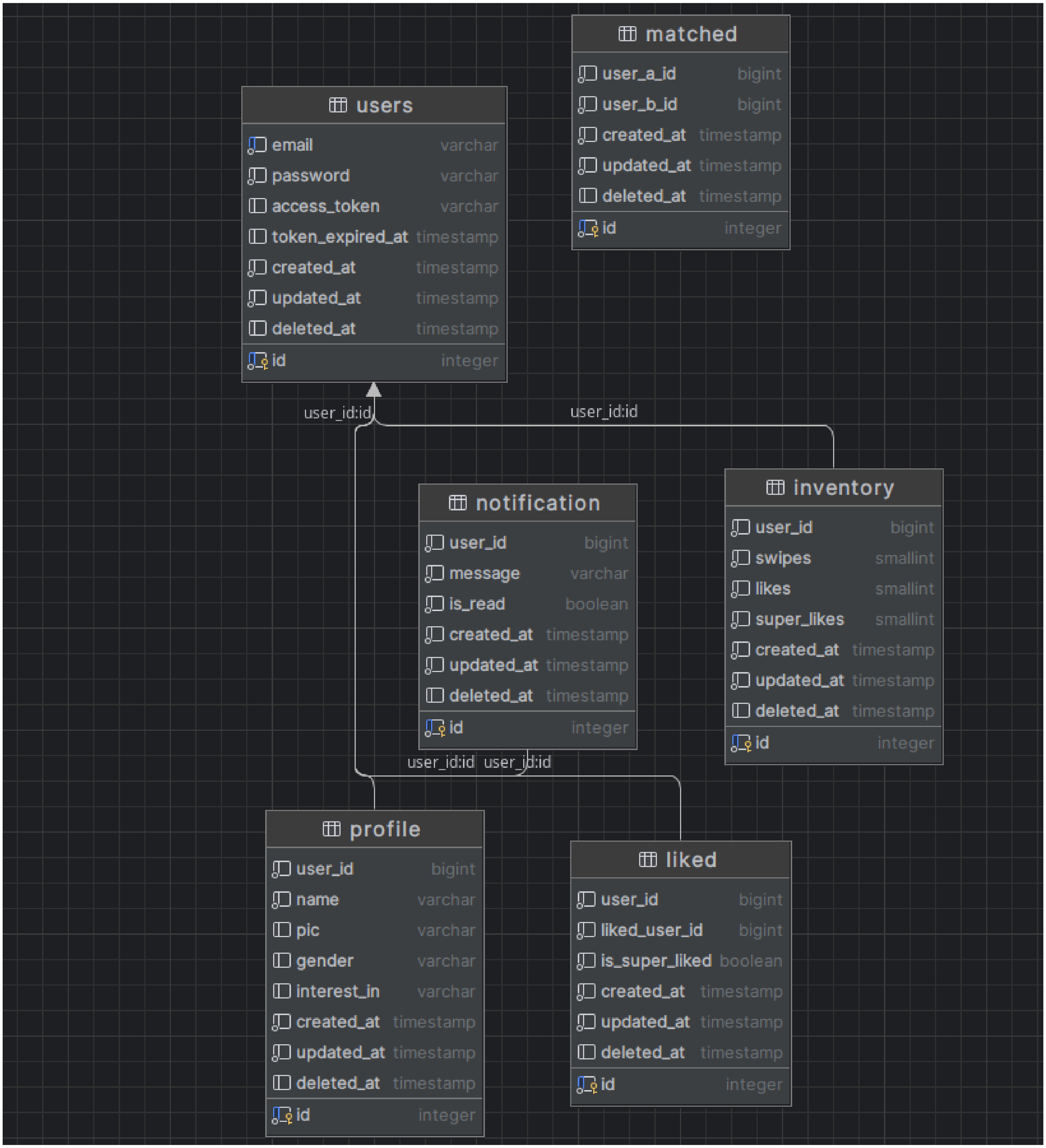
3. Redis
   Redis is a great database for caching. I choose this database because it's fast and easy to use. I use redigo as the Redis driver for this project because it's fast and easy to use.

Non-Functional Requirements

1. Sanity
   I use `golangci-lint` to check the sanity of the code.
2. Faith
   I use `go test` to check the faith of the code.

Design

ERD



Test Cases

Unit Test

1. Test for authentication services
2. Test for matcher services
3. Test for recommendation services