Tables and ORM objects:

Todo:

Attributes:

1. Assignment – the actual todo
2. Priority – some kind of enum
3. Deadline – time and date
4. Creator – the user who created the todo
5. Recipients – the users who the todo is meant for
6. Status – some kind of enum (pending, in progress, tests, finished)
7. tags

User:

Attributes:

1. Id – Const, not null
2. User name – not null
3. Password – not null
4. Todo – list of todos - null
5. Mail – not null
6. Token?

Tags:

Attributes:

1. Tag text
2. Todo’s it appear in

Scheme

DB pod

Beackend pod

Frontend pod

frotend server – ngnix

Actual app - react

DB - postgreSQL

Server – fastapi – python

Will send mail to user

API:

1. Post:
   1. Create user
   2. Update user information ( only user name, password, mail)
   3. Update user todo list (add or remove todo), will update todo user’s list (add or remove user)
   4. Create a todo ( will create tag, if needed)
   5. Update todo information ( only assignment, priority, deadline, status)
   6. Update tags list ( will create tag, if needed)
2. GET:
   1. Get user information
   2. Get todo’s information
   3. Get todoes by tag