TODO APPLICATION

README

Creator: LIM BI YI

Contents

[1.1. instruction for running the app 2](#_Toc98037426)

[1.2. Instruction for testing the app 3](#_Toc98037427)

[1.3. Instruction for building the app 4](#_Toc98037428)

[1.4. Interface documentation 5](#_Toc98037429)

# Instruction for running the app

1. Confirm the docker compose file datasource url is jdbc:postgresql://dbpostgresql:5432/todo\_db?user=postgres&password=postgres
2. Run docker command: docker compose up
3. Signup new user (refer section 1.2. Introduction for testing the app: SIGNUP )
4. Login the user signup in STEP 3 and copy the bearer token in header and pass in as authorization token on other testing.
5. May continue the other testing (refer section 1.2. Introduction for testing the app).

# 1.2. Instruction for testing the app

Visit ‘http://localhost:8080/swagger-ui.html’ to view API docs or use \*\*Postman\*\* to test endpoints.

\*\*Postman link\*\*

Pre-requirement:

Install postman

SIGNUP

URL POST:'http://localhost:8080/signup' for signup new user (using gmail)

{

"email": "test@gmail.com",

"password": "test"

}

LOGIN

URL POST:'http://localhost:8080/login' for login and get the bearer token from header(authorization: to be use on the todo list CRUD)

{

"email": "test@gmail.com",

"password": "test"

}

LOGOUT

URL GET:'http://localhost:8080/log-out' for logout user

ADD NEW TODO

URL POST:'http://localhost:8080/todos/add' for add new todo

{

"description": "task",

"done": false,

"title": "task"

}

LIST ALL TODO

URL GET:'http://localhost:8080/todos/lists' to list all todos

UPDATE TODO AS COMPLETED

URL PUT:'http://localhost:8080/todos/mark-complete/{todo\_id}' to update the specific todo\_id to done or undone

{

"description": "task",

"done": true,

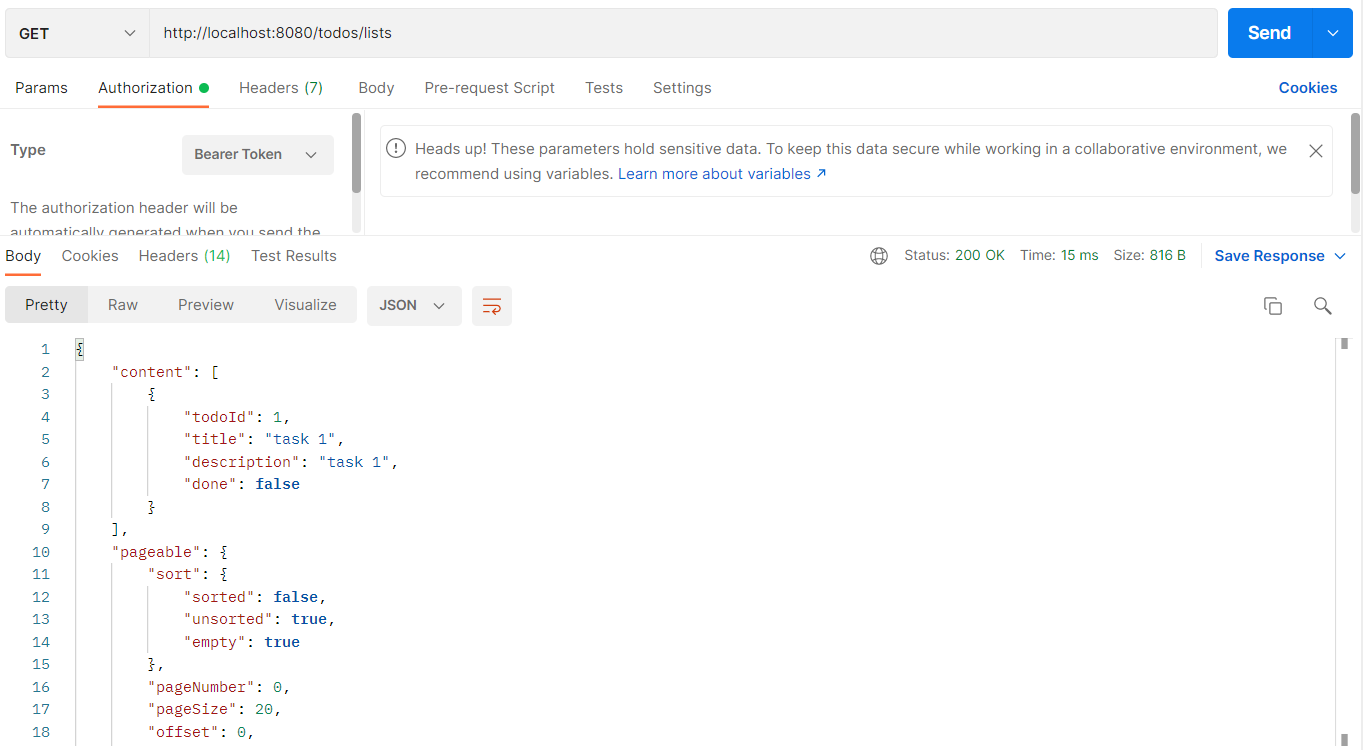
"title": "task"

}

DELETE TODO

URL DELETE:'http://localhost:8080/todos/delete/{todo\_id}' to delete the specific todo\_id

Sample test screenshot for to do list



# 1.3. Instruction for building the app

Pre-requirement:

Set up database postgres and load the database as state on 1.4.--> database design

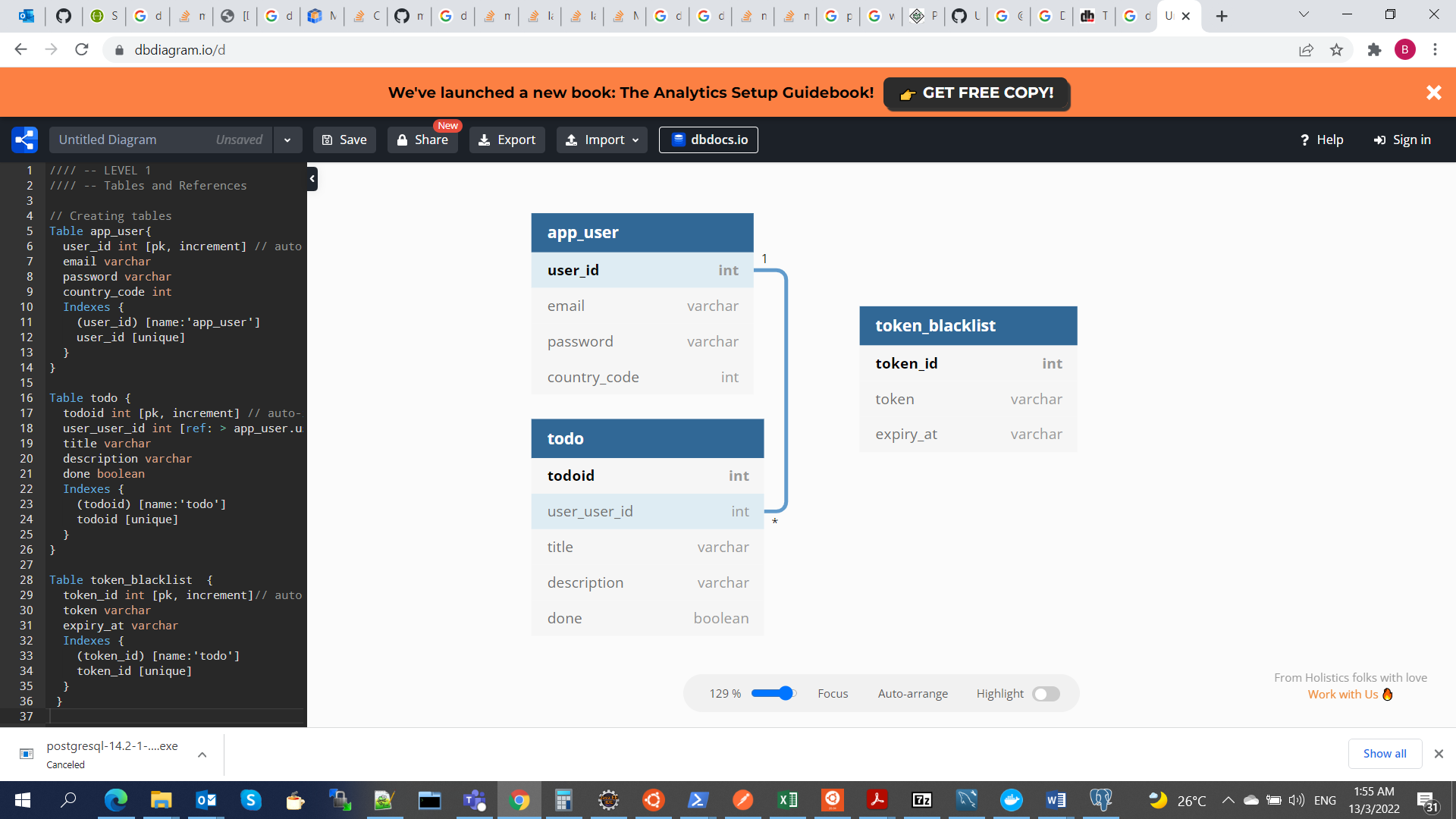
1. Clone the source from github

<https://github.com/byi90/todolistapi.git>

1. import as existing maven project on eclipse
2. maven update on the dependency
3. maven build package on the project

# 1.4. Interface documentation

DATABASE DESIGN



Using POSTGRES:

CREATE TABLE app\_user (

user\_id serial,

email varchar(100) NOT NULL,

password varchar(100) DEFAULT NULL,

PRIMARY KEY (user\_id)

);

CREATE TABLE todo (

todo\_id serial,

user\_user\_id int NOT NULL,

title varchar(100) NOT NULL,

description varchar(100) NOT NULL,

done boolean default false,

PRIMARY KEY (todo\_id)

);

CREATE TABLE token\_blacklist (

token\_id serial,

token varchar(200) NOT NULL,

expiry\_at varchar(20) NOT NULL,

PRIMARY KEY (token\_id)

);

CREATE UNIQUE INDEX app\_user\_idx ON app\_user (user\_id);

CREATE UNIQUE INDEX todo\_idx ON todo (todo\_id);

CREATE UNIQUE INDEX token\_blacklist\_idx ON token\_blacklist(token\_id);