**MiniLib**

Mini Library for Me

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**Menu**

**Show Books**

Read – 3 jam

Sort by BookTitle – 2 jam

Association many to many Authors to Books

Table Authors (id, first\_name:string, last\_name:string)

Table Books (id, title:string)

Table AuthorBooks (id, AuthorId:integer, BooksId:integer, genre:string)

Association one to many Publishers to Books

Table Publishers (id, name:string)

**Add Book**

Create – 3 jam

**Update Book**

Update – 3 jam

Delete Book – 1 jam

**Search**

Search Book by Author – 5 jam

**Search Book by Book title – 4 jam**

**Registrasi**

Create Akun – 3 jam

Table Account (id, name:string, phone:string, password:string, salt:string)

**Login**

Authentikasi – 2 jam

Session – 2 jam

Fitur Tambahan

Add book yang udah dibaca

Menyimpan data peminjam buku

Melihat buku yang dipinjam sama peminjam

Melihat data peminjam

**Progress :**

pada terminal di folder minilibme

express –view=ejs

npm install

npm init

npm install --save sequelize

npm install --save sequelize-cli

npm install --save pg pg-hstore

sequelize init

setting config environment development & production on config/config.json. Environment test tetap.

{

"development": {

"username": "postgres",

"password": 1234,

"database": "minilibme",

"host": "127.0.0.1",

"dialect": "postgres",

"logging": "false"

},

"test": {

"username": "root",

"password": null,

"database": "database\_test",

"host": "127.0.0.1",

"dialect": "mysql"

},

"production": {

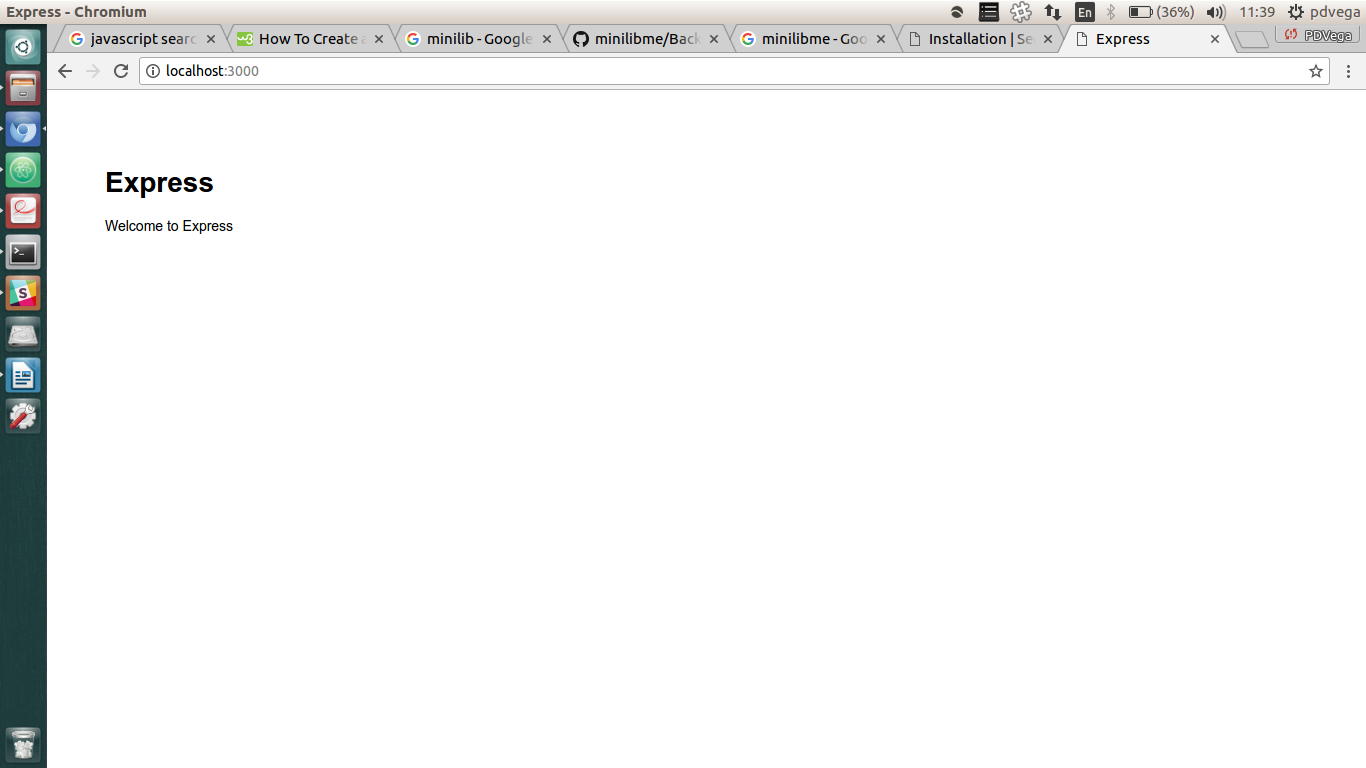
"use\_env\_variable": "DATABASE\_URL"

}

}

npm start to running minilibme

success access localhost:3000



touch .gitignore

write node\_modules inside file .gitignore

update pg 6.4.0 (sebelumnya 7.0.1) karena ga connect ke sequelize on package.json

{

"name": "minilibme",

"version": "0.0.0",

"private": true,

"scripts": {

"start": "node ./bin/www"

},

"dependencies": {

"body-parser": "~1.17.1",

"cookie-parser": "~1.4.3",

"debug": "~2.6.3",

"ejs": "~2.5.6",

"express": "~4.15.2",

"morgan": "~1.8.1",

"pg": "^6.4.0",

"pg-hstore": "^2.3.2",

"sequelize": "^4.3.2",

"sequelize-cli": "^2.7.0",

"serve-favicon": "~2.4.2"

},

"description": "Mini Library for Me - Your Personal Library Team Member : 1. Pella De Vega 2. Teza Harsony",

"main": "app.js",

"devDependencies": {},

"repository": {

"type": "git",

"url": "git+https://github.com/PDVega/minilibme.git"

},

"keywords": [

"pair",

"project"

],

"author": "pdvega & tezaharsony",

"license": "ISC",

"bugs": {

"url": "https://github.com/PDVega/minilibme/issues"

},

"homepage": "https://github.com/PDVega/minilibme#readme"

}

bisa juga dijalankan dari cli

npm remove --save pg

npm install --save pg@6

create database

psql postgres

postgrest=# CREATE DATABASE minilibme;

CREATE DATABASE (akan muncul tulisan seperti ini apabila berhasil create db)

postgrest=#\q (untuk kembali ke working directory kita)

sequelize help

sequelize help:model:create

sequelize model:create --name Author --attributes first\_name:string,last\_name:string

sequelize model:create --name Book --attributes title:string

sequelize model:create --name AuthorBook --attributes AuthorId:integer, BookId:integer,genre:string

sequelize model:create --name Publisher --attributes name:string

sequelize db:migrate

create routing :

/books (to show all books in library)

/routes/touch books.js (create file books in routes)

inside file books.js

const express = require('express')

const router = express.Router()

const db = require('../models')

router.get('/', (req, res) => {

res.send('books page okay')

})

module.exports = router;

add in file app.js

var express = require('express');

var path = require('path');

var favicon = require('serve-favicon');

var logger = require('morgan');

var cookieParser = require('cookie-parser');

var bodyParser = require('body-parser');

var index = require('./routes/index');

var users = require('./routes/users');

var books = require('./routes/books');

var app = express();

// view engine setup

app.set('views', path.join(\_\_dirname, 'views'));

app.set('view engine', 'ejs');

// uncomment after placing your favicon in /public

//app.use(favicon(path.join(\_\_dirname, 'public', 'favicon.ico')));

app.use(logger('dev'));

app.use(bodyParser.json());

app.use(bodyParser.urlencoded({ extended: false }));

app.use(cookieParser());

app.use(express.static(path.join(\_\_dirname, 'public')));

app.use('/', index);

app.use('/users', users);

app.use('/books', books);

// catch 404 and forward to error handler

app.use(function(req, res, next) {

var err = new Error('Not Found');

err.status = 404;

next(err);

});

// error handler

app.use(function(err, req, res, next) {

// set locals, only providing error in development

res.locals.message = err.message;

res.locals.error = req.app.get('env') === 'development' ? err : {};

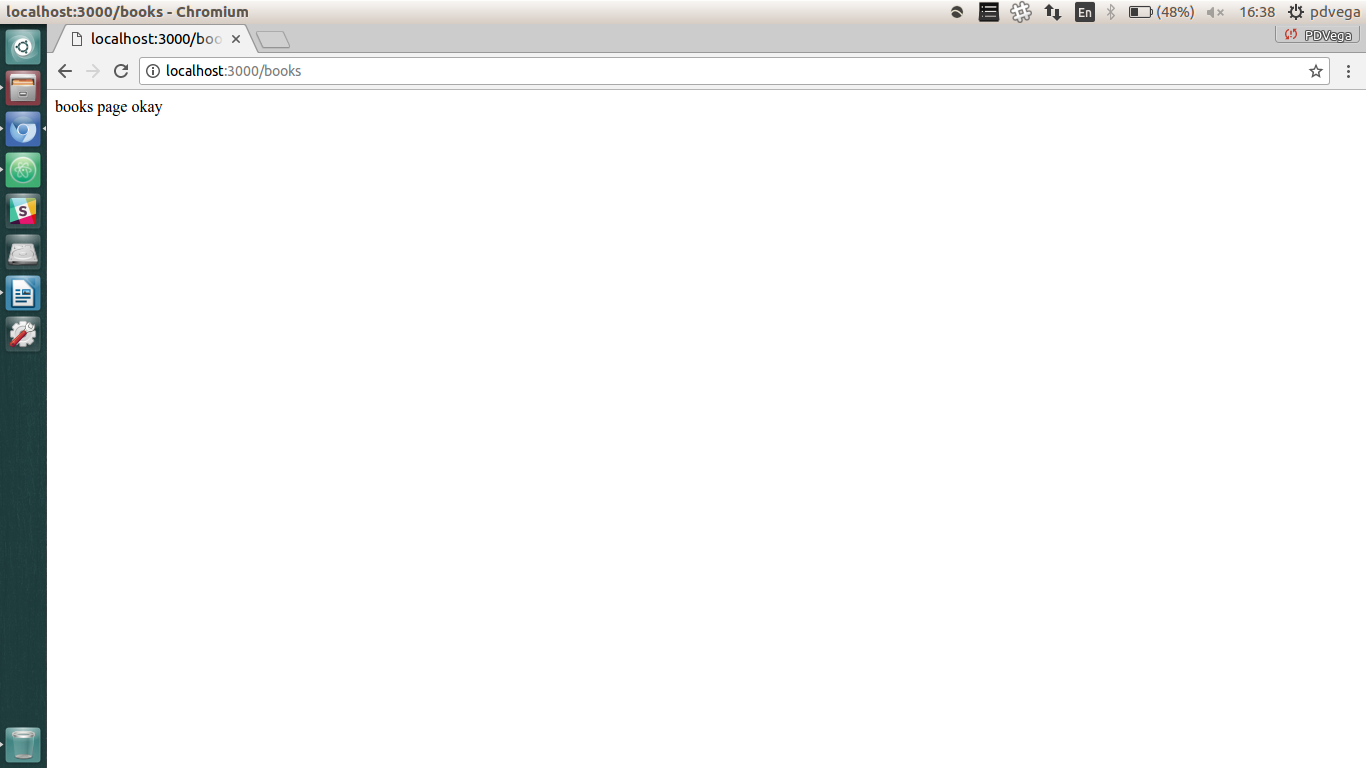
// render the error page

res.status(err.status || 500);

res.render('error');

});

module.exports = app;



1. Create DB

2. Create Model

3. Sequelize [db migrate](db:Migrate)

4. Seeding Author

5. Seeding Book

6. Seeding AuthorBooks

7. Sequelize db seed all