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WEB SEDERHANA MENGGUNAKAN NODE JS

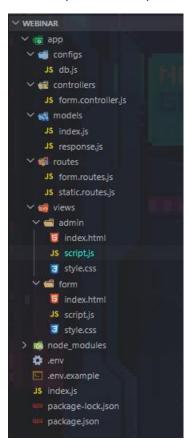
Untuk buat project baru, buat foldernya lalu jalankan npm init. Jangan lupa install nodejs terlebih dahulu

```
PS C:\Users\rafli\Documents\projects\webinar> npm init
```

npm i untuk menginstall modul modul yang dibutuhkan

```
PS C:\Users\rafli\Documents\projects\webinar> npm i express mysql2 bcryptjs
```

Strukturnya kira-kira seperti ini



Atur settingan environment dengan membuat file .env

```
## .env

1 MODE=DEV

2 HTTP_PORT=18080

3 HTTPS_PORT=18443

4

5 DB_HOST=localhost

6 DB_USER=root

7 DB_PASSWORD=

8 DB_DATABASE=db_webinar

9
```

Buat konfigurasi untuk koneksi database

Buat model untuk mendefinisikan table di database

Buat index.js di models, disini export koneksi dan model. Jika ada relasi bisa dibuat disini

```
app > models > JS index.js > ..
     const config = require("../configs/db.js");
      const sequelize = new Sequelize(
          config.DB,
         config.USER,
         config.PASSWORD, {
          host: config.HOST,
         dialect: config.dialect,
         dialectOptions: config.dialectOptions,
        timezone: config.dial logging: false,
         define: {
             collate: config.collate,
             charset: config.charset,
     db.Sequelize = Sequelize;
     db.sequelize = sequelize;
      db.responses = require("./response.js")(sequelize, Sequelize);
      module.exports = db;
```

Disini otak dari aplikasi. Tulis logikanya di controller. Berkut form.controller.js

```
const db = require("../models");
const Response = db.responses;
const { validationResult } = require('express-validator');
const { Op } = require("sequelize");
exports.register = (req, res) => {
    const errors = validationResult(reg)
    if (!errors.isEmpty()) {
        console.log(`[registration fail][${new Date()}]`, req.body,
errors.array());
        return res.status(422).send({ message: "Invalid input", errors:
errors.array() })
   Response.findOne({
        where: {
            [Op.or]: {
                email: req.body.email,
                phone: req.body.phone,
            }
    }).then(x => {
        if (x) {
```

```
return res.status(422).send({ message: "Email or phone number
already registered" })
        Response.create({
            name: req.body.name,
            email: req.body.email,
            phone: req.body.phone,
        }).then(user => {
            console.log(`[registration][${new Date()}] ${req.body.name} -
${req.body.email}`);
            res.status(200).send({ message: "Registered successfully!" });
        }).catch(err => {
            console.log(err);
            res.status(422).send({ message: err.message });
        });
    }).catch(err => {
        console.log(err);
        res.status(500).send({ message: "Server error!" });
    });
exports.all = (req, res) => {
    Response.findAll(\{\}).then(x => {
        res.status(200).send({ data: x });
    }).catch(err => {
        console.log(err);
        res.status(500).send({ message: "Server error!" });
    });
```

Daftarkan fungsi di controller pada routes agar bisa diakses

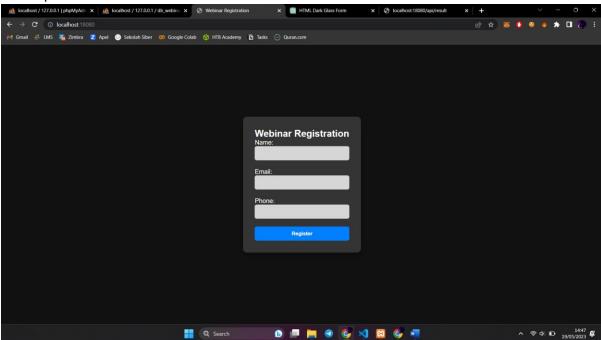
Buat rute untuk resource statis. Disini diarahkan ke folder views

Berikut kodingan index.js untuk menjalankan semuanya

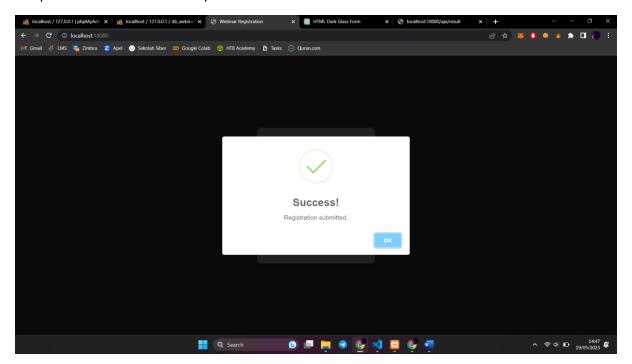
```
const express = require("express");
const bodyParser = require("body-parser");
const cors = require("cors");
var https = require('https');
const app = express();
require('dotenv').config()
app.use(cors());//corsOptions));
app.use(bodyParser.json());
app.use(bodyParser.urlencoded({
    extended: true
}));
const db = require("./app/models");
db.sequelize.sync().then(() => {
   console.log('db synced');
}).catch(err => {
    console.log(err.message);
});
require('./app/routes/form.routes')(app);
require('./app/routes/static.routes')(app);
if (process.env.SSL_MODE=='ON') {
   var https_options = {
```

Hasil

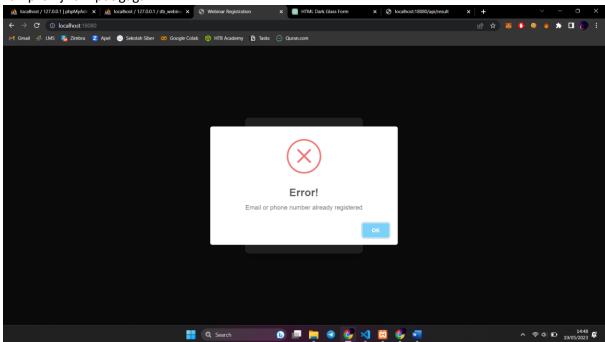
Laman pendaftaran



Tampilan ketika memasukkan input



Tampilan jika input gagal



Laman untuk melihat hasilnya



