

|  |  |  |
| --- | --- | --- |
| 1 | GET | / |
| 2 | GET | /emp |
| 3 | GET | /dept |
| 4 | GET | /add\_emp |
| 5 | GET | /add\_dept |
| 6 | GET | /update\_emp/:id |
| 7 | GET | /update\_dept/:id |
| 8 | GET | /delete\_emp/:id |
| 9 | GET | /delete\_dept/:id |
|  |  |  |
| 10 | POST | /add\_emp |
| 11 | POST | /add\_dept |
| 12 | POST | /update\_emp |
| 13 | POST | /update\_dept |

import express from 'express';

import { Sequelize, DataTypes } from 'sequelize';

const app = express();

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

app.use(express.urlencoded({extended: true}));

////////////////////////////////////////////////// Connection///////////////////////////////////////////////////////////////////

const connection = new Sequelize({

dialect: 'sqlite',

storage: './lab11.db',

logging: false

});

////////////////////////////////////////////////// Connection///////////////////////////////////////////////////////////////////

////////////////////////////////////////////////// Model///////////////////////////////////////////////////////////////////

const deptSchema ={

id:{

type: DataTypes.INTEGER,

primaryKey: true,

autoIncrement: true,

},

name: {

type: DataTypes.TEXT,

allowNull: false

}

}

const Dept = connection.define('dept', deptSchema, {timestamps: false, freezeTableName: true});

const empSchema ={

id:{

type: DataTypes.INTEGER,

primaryKey: true,

autoIncrement: true,

},

name: {

type: DataTypes.TEXT,

allowNull: false

},

dept\_id: {

type: DataTypes.INTEGER,

},

manager: {

type: DataTypes.INTEGER,

},

}

const Emp = connection.define('emp', empSchema, {timestamps: false, freezeTableName: true});

Emp.belongsTo(Emp, { foreignKey: 'manager'});

Emp.belongsTo(Dept, { foreignKey: 'dept\_id'});

connection.sync();

// `sequelize.define` also returns the model

// console.log(User === sequelize.models.User); // true

////////////////////////////////////////////////// Model///////////////////////////////////////////////////////////////////

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

res.send('welcome');

})

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

Emp.findAll()

.then((result)=>{

res.render('emp', {data:result});

})

.catch((err)=>{

console.log(err);

})

})

app.get('/add\_emp', (req, res)=>{

res.render('add\_emp');

})

app.post('/add\_emp', (req, res)=>{

Emp.build(req.body)

.save()

.then((result) =>{

res.send('Done');

})

.catch((err)=>{

res.send(err);

});

})

app.get('/add\_dept', (req, res)=>{

Dept.build({id:1, name: 'Marketing'})

.save()

.then((result) =>{

res.send('Done');

})

.catch((err)=>{

res.send(err);

});

})