*Complaint Redressal System*

Source Code:-

App.js:-

const express = require('express');

const path = require('path');

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

const exphbs = require('express-handlebars');

const expressValidator = require('express-validator');

const flash = require('connect-flash');

const session = require('express-session');

const passport = require('passport');

const mongoose = require('mongoose');

const app = express();

const port = process.env.PORT || 3000;

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

// View Engine

app.engine('handlebars', exphbs({defaultLayout:'main'}));

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

// Static Folder

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

// Body Parser Middleware

app.use(bodyParser.json());

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

// Express Session

app.use(session({

secret: 'secret',

saveUninitialized: true,

resave: true,

maxAge: null,

cookie : { httpOnly: true, maxAge: 2419200000 } // configure when sessions expires

}));

// Init passport

app.use(passport.initialize());

app.use(passport.session());

// Express messages

app.use(flash());

app.use((req, res, next) => {

res.locals.success\_msg = req.flash('success\_msg');

res.locals.error\_msg = req.flash('error\_msg');

res.locals.error = req.flash('error');

res.locals.user = req.user || null;

next();

});

// Express Validator

app.use(expressValidator({

errorFormatter: (param, msg, value) => {

let namespace = param.split('.')

, root = namespace.shift()

, formParam = root;

while(namespace.length) {

formParam += '[' + namespace.shift() + ']';

}

return {

param : formParam,

msg : msg,

value : value

};

}

}));

app.use('/', index);

// Start Server

app.listen(port, () => {

console.log('Server started on port '+port);

});

Db.js:-

const mongoose = require('mongoose')

function connect () {

mongoose.set('useCreateIndex', true);

mongoose.connect('mongodb://localhost/complaintapp',{useNewUrlParser: true})

}

module.exports = connect

complaint-mapping.js:-

const mongoose = require('mongoose')

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

//Call the db to connect the mongo db

dbconnect()

// Complaint Schema

const ComplaintMappingSchema = mongoose.Schema({

complaintID: {

type: String,

required: true

},

engineerName: {

type: String,

required: true

},

});

const ComplaintMapping = module.exports = mongoose.model('ComplaintMapping', ComplaintMappingSchema);

module.exports.registerMapping = function (newComplaintMapping, callback) {

newComplaintMapping.save(callback);

}

complaint.js :-

const mongoose = require('mongoose')

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

//Call the db to connect the mongo db

dbconnect()

// Complaint Schema

const ComplaintSchema = mongoose.Schema({

name: {

type: String

},

email: {

type: String

},

contact: {

type: String

},

desc: {

type: String

}

});

const Complaint = module.exports = mongoose.model('Complaint', ComplaintSchema);

module.exports.registerComplaint = function (newComplaint, callback) {

newComplaint.save(callback);

}

module.exports.getAllComplaints = function(callback){

Complaint.find(callback);

}

## **user.js** :-

## const mongoose = require('mongoose')

## const dbconnect = require('../db')

## const bcrypt = require('bcryptjs');

## //Call the db to connect the mongo db

## dbconnect()

## // User Schema

## const UserSchema = mongoose.Schema({

## name: {

## type: String

## },

## username: {

## type: String,

## unique: true,

## required: true

## },

## email: {

## type: String

## },

## password: {

## type: String,

## required: true

## },

## role: {

## type: String

## }

## });

## const User = module.exports = mongoose.model('User', UserSchema);

## module.exports.registerUser = function (newUser, callback) {

## bcrypt.genSalt(10, (err, salt) => {

## bcrypt.hash(newUser.password, salt, (err, hash) => {

## if (err) {

## console.log(err);

## }

## newUser.password = hash;

## newUser.save(callback);

## });

## });

## }

## module.exports.getUserByUsername = function(username, callback){

## const query = {username: username}

## User.findOne(query, callback);

## }

## 

## module.exports.getUserById = function(id, callback){

## User.findById(id, callback);

## }

## module.exports.comparePassword = function(candidatePassword, hash, callback){

## bcrypt.compare(candidatePassword, hash, (err, isMatch) => {

## if(err) throw err;

## callback(null, isMatch);

## });

## }

## module.exports.getEngineer = function(callback){

## const query = {role: "jeng"}

## User.find(query, callback);

## }

## **lock.json:-**

## {

## "name": "complaint-system",

## "version": "1.0.0",

## "lockfileVersion": 1,

## "requires": true,

## "dependencies": {

## "accepts": {

## "version": "1.3.5",

## "resolved": "https://registry.npmjs.org/accepts/-/accepts-1.3.5.tgz",

## "integrity": "sha1-63d99gEXI6OxTopywIBcjoZ0a9I=",

## "requires": {

## "mime-types": "~2.1.18",

## "negotiator": "0.6.1"

## }

## },

## "array-flatten": {

## "version": "1.1.1",

## "resolved": "https://registry.npmjs.org/array-flatten/-/array-flatten-1.1.1.tgz",

## "integrity": "sha1-ml9pkFGx5wczKPKgCJaLZOopVdI="

## },

## "asap": {

## "version": "2.0.6",

## "resolved": "https://registry.npmjs.org/asap/-/asap-2.0.6.tgz",

## "integrity": "sha1-5QNHYR1+aQlDIIu9r+vLwvuGbUY="

## },

## "balanced-match": {

## "version": "1.0.0",

## "resolved": "https://registry.npmjs.org/balanced-match/-/balanced-match-1.0.0.tgz",

## "integrity": "sha1-ibTRmasr7kneFk6gK4nORi1xt2c="

## },

## "bcryptjs": {

## "version": "2.4.3",

## "resolved": "https://registry.npmjs.org/bcryptjs/-/bcryptjs-2.4.3.tgz",

## "integrity": "sha1-mrVie5PmBiH/fNrF2pczAn3x0Ms="

## },

## "bluebird": {

## "version": "3.5.1",

## "resolved": "https://registry.npmjs.org/bluebird/-/bluebird-3.5.1.tgz",

## "integrity": "sha512-MKiLiV+I1AA596t9w1sQJ8jkiSr5+ZKi0WKrYGUn6d1Fx+Ij4tIj+m2WMQSGczs5jZVxV339chE8iwk6F64wjA=="

## },

## "body-parser": {

## "version": "1.18.3",

## "resolved": "https://registry.npmjs.org/body-parser/-/body-parser-1.18.3.tgz",

## "integrity": "sha1-WykhmP/dVTs6DyDe0FkrlWlVyLQ=",

## "requires": {

## "bytes": "3.0.0",

## "content-type": "~1.0.4",

## "debug": "2.6.9",

## "depd": "~1.1.2",

## "http-errors": "~1.6.3",

## "iconv-lite": "0.4.23",

## "on-finished": "~2.3.0",

## "qs": "6.5.2",

## "raw-body": "2.3.3",

## "type-is": "~1.6.16"

## }

## },

## "brace-expansion": {

## "version": "1.1.11",

## "resolved": "https://registry.npmjs.org/brace-expansion/-/brace-expansion-1.1.11.tgz",

## "integrity": "sha512-iCuPHDFgrHX7H2vEI/5xpz07zSHB00TpugqhmYtVmMO6518mCuRMoOYFldEBl0g187ufozdaHgWKcYFb61qGiA==",

## "requires": {

## "balanced-match": "^1.0.0",

## "concat-map": "0.0.1"

## }

## },

## "bson": {

## "version": "1.1.4",

## "resolved": "https://registry.npmjs.org/bson/-/bson-1.1.4.tgz",

## "integrity": "sha512-S/yKGU1syOMzO86+dGpg2qGoDL0zvzcb262G+gqEy6TgP6rt6z6qxSFX/8X6vLC91P7G7C3nLs0+bvDzmvBA3Q=="

## },

## "bytes": {

## "version": "3.0.0",

## "resolved": "https://registry.npmjs.org/bytes/-/bytes-3.0.0.tgz",

## "integrity": "sha1-0ygVQE1olpn4Wk6k+odV3ROpYEg="

## },

## "commander": {

## "version": "2.20.0",

## "resolved": "https://registry.npmjs.org/commander/-/commander-2.20.0.tgz",

## "integrity": "sha512-7j2y+40w61zy6YC2iRNpUe/NwhNyoXrYpHMrSunaMG64nRnaf96zO/KMQR4OyN/UnE5KLyEBnKHd4aG3rskjpQ==",

## "optional": true

## },

## "concat-map": {

## "version": "0.0.1",

## "resolved": "https://registry.npmjs.org/concat-map/-/concat-map-0.0.1.tgz",

## "integrity": "sha1-2Klr13/Wjfd5OnMDajug1UBdR3s="

## },

## "connect-flash": {

## "version": "0.1.1",

## "resolved": "https://registry.npmjs.org/connect-flash/-/connect-flash-0.1.1.tgz",

## "integrity": "sha1-2GMPJtlaf4UfmVax6MxnMvO2qjA="

## },

## "content-disposition": {

## "version": "0.5.2",

## "resolved": "https://registry.npmjs.org/content-disposition/-/content-disposition-0.5.2.tgz",

## "integrity": "sha1-DPaLud318r55YcOoUXjLhdunjLQ="

## },

## "content-type": {

## "version": "1.0.4",

## "resolved": "https://registry.npmjs.org/content-type/-/content-type-1.0.4.tgz",

## "integrity": "sha512-hIP3EEPs8tB9AT1L+NUqtwOAps4mk2Zob89MWXMHjHWg9milF/j4osnnQLXBCBFBk/tvIG/tUc9mOUJiPBhPXA=="

## },

## "cookie": {

## "version": "0.3.1",

## "resolved": "https://registry.npmjs.org/cookie/-/cookie-0.3.1.tgz",

## "integrity": "sha1-5+Ch+e9DtMi6klxcWpboBtFoc7s="

## },

## "cookie-signature": {

## "version": "1.0.6",

## "resolved": "https://registry.npmjs.org/cookie-signature/-/cookie-signature-1.0.6.tgz",

## "integrity": "sha1-4wOogrNCzD7oylE6eZmXNNqzriw="

## },

## "crc": {

## "version": "3.4.4",

## "resolved": "https://registry.npmjs.org/crc/-/crc-3.4.4.tgz",

## "integrity": "sha1-naHpgOO9RPxck79as9ozeNheRms="

## },

## "debug": {

## "version": "2.6.9",

## "resolved": "https://registry.npmjs.org/debug/-/debug-2.6.9.tgz",

## "integrity": "sha512-bC7ElrdJaJnPbAP+1EotYvqZsb3ecl5wi6Bfi6BJTUcNowp6cvspg0jXznRTKDjm/E7AdgFBVeAPVMNcKGsHMA==",

## "requires": {

## "ms": "2.0.0"

## }

## },

## "define-properties": {

## "version": "1.1.3",

## "resolved": "https://registry.npmjs.org/define-properties/-/define-properties-1.1.3.tgz",

## "integrity": "sha512-3MqfYKj2lLzdMSf8ZIZE/V+Zuy+BgD6f164e8K2w7dgnpKArBDerGYpM46IYYcjnkdPNMjPk9A6VFB8+3SKlXQ==",

## "requires": {

## "object-keys": "^1.0.12"

## }

## },

## "depd": {

## "version": "1.1.2",

## "resolved": "https://registry.npmjs.org/depd/-/depd-1.1.2.tgz",

## "integrity": "sha1-m81S4UwJd2PnSbJ0xDRu0uVgtak="

## },

## "destroy": {

## "version": "1.0.4",

## "resolved": "https://registry.npmjs.org/destroy/-/destroy-1.0.4.tgz",

## "integrity": "sha1-l4hXRCxEdJ5CBmE+N5RiBYJqvYA="

## },

## "ee-first": {

## "version": "1.1.1",

## "resolved": "https://registry.npmjs.org/ee-first/-/ee-first-1.1.1.tgz",

## "integrity": "sha1-WQxhFWsK4vTwJVcyoViyZrxWsh0="

## },

## "encodeurl": {

## "version": "1.0.2",

## "resolved": "https://registry.npmjs.org/encodeurl/-/encodeurl-1.0.2.tgz",

## "integrity": "sha1-rT/0yG7C0CkyL1oCw6mmBslbP1k="

## },

## "escape-html": {

## "version": "1.0.3",

## "resolved": "https://registry.npmjs.org/escape-html/-/escape-html-1.0.3.tgz",

## "integrity": "sha1-Aljq5NPQwJdN4cFpGI7wBR0dGYg="

## },

## "etag": {

## "version": "1.8.1",

## "resolved": "https://registry.npmjs.org/etag/-/etag-1.8.1.tgz",

## "integrity": "sha1-Qa4u62XvpiJorr/qg6x9eSmbCIc="

## },

## "express": {

## "version": "4.16.4",

## "resolved": "https://registry.npmjs.org/express/-/express-4.16.4.tgz",

## "integrity": "sha512-j12Uuyb4FMrd/qQAm6uCHAkPtO8FDTRJZBDd5D2KOL2eLaz1yUNdUB/NOIyq0iU4q4cFarsUCrnFDPBcnksuOg==",

## "requires": {

## "accepts": "~1.3.5",

## "array-flatten": "1.1.1",

## "body-parser": "1.18.3",

## "content-disposition": "0.5.2",

## "content-type": "~1.0.4",

## "cookie": "0.3.1",

## "cookie-signature": "1.0.6",

## "debug": "2.6.9",

## "depd": "~1.1.2",

## "encodeurl": "~1.0.2",

## "escape-html": "~1.0.3",

## "etag": "~1.8.1",

## "finalhandler": "1.1.1",

## "fresh": "0.5.2",

## "merge-descriptors": "1.0.1",

## "methods": "~1.1.2",

## "on-finished": "~2.3.0",

## "parseurl": "~1.3.2",

## "path-to-regexp": "0.1.7",

## "proxy-addr": "~2.0.4",

## "qs": "6.5.2",

## "range-parser": "~1.2.0",

## "safe-buffer": "5.1.2",

## "send": "0.16.2",

## "serve-static": "1.13.2",

## "setprototypeof": "1.1.0",

## "statuses": "~1.4.0",

## "type-is": "~1.6.16",

## "utils-merge": "1.0.1",

## "vary": "~1.1.2"

## },

## "dependencies": {

## "statuses": {

## "version": "1.4.0",

## "resolved": "https://registry.npmjs.org/statuses/-/statuses-1.4.0.tgz",

## "integrity": "sha512-zhSCtt8v2NDrRlPQpCNtw/heZLtfUDqxBM1udqikb/Hbk52LK4nQSwr10u77iopCW5LsyHpuXS0GnEc48mLeew=="

## }

## }

## },

## "express-handlebars": {

## "version": "3.0.2",

## "resolved": "https://registry.npmjs.org/express-handlebars/-/express-handlebars-3.0.2.tgz",

## "integrity": "sha512-rPaSqR8xPnSqfvWvI8Mhtn7nifaMmySq6yhWkjH07Ks/nuDaRngJyf7eDN2I7PBkNVdZHf0Bz+1rY1yrZFdx8g==",

## "requires": {

## "glob": "^7.1.3",

## "graceful-fs": "^4.1.2",

## "handlebars": "^4.0.13",

## "object.assign": "^4.1.0",

## "promise": "^8.0.2"

## }

## },

## "express-messages": {

## "version": "1.0.1",

## "resolved": "https://registry.npmjs.org/express-messages/-/express-messages-1.0.1.tgz",

## "integrity": "sha1-mYGoWl0rEYx5/DP1K0GDT/7paFo="

## },

## "express-session": {

## "version": "1.15.6",

## "resolved": "https://registry.npmjs.org/express-session/-/express-session-1.15.6.tgz",

## "integrity": "sha512-r0nrHTCYtAMrFwZ0kBzZEXa1vtPVrw0dKvGSrKP4dahwBQ1BJpF2/y1Pp4sCD/0kvxV4zZeclyvfmw0B4RMJQA==",

## "requires": {

## "cookie": "0.3.1",

## "cookie-signature": "1.0.6",

## "crc": "3.4.4",

## "debug": "2.6.9",

## "depd": "~1.1.1",

## "on-headers": "~1.0.1",

## "parseurl": "~1.3.2",

## "uid-safe": "~2.1.5",

## "utils-merge": "1.0.1"

## }

## },

## "express-validator": {

## "version": "5.3.1",

## "resolved": "https://registry.npmjs.org/express-validator/-/express-validator-5.3.1.tgz",

## "integrity": "sha512-g8xkipBF6VxHbO1+ksC7nxUU7+pWif0+OZXjZTybKJ/V0aTVhuCoHbyhIPgSYVldwQLocGExPtB2pE0DqK4jsw==",

## "requires": {

## "lodash": "^4.17.10",

## "validator": "^10.4.0"

## }

## },

## "finalhandler": {

## "version": "1.1.1",

## "resolved": "https://registry.npmjs.org/finalhandler/-/finalhandler-1.1.1.tgz",

## "integrity": "sha512-Y1GUDo39ez4aHAw7MysnUD5JzYX+WaIj8I57kO3aEPT1fFRL4sr7mjei97FgnwhAyyzRYmQZaTHb2+9uZ1dPtg==",

## "requires": {

## "debug": "2.6.9",

## "encodeurl": "~1.0.2",

## "escape-html": "~1.0.3",

## "on-finished": "~2.3.0",

## "parseurl": "~1.3.2",

## "statuses": "~1.4.0",

## "unpipe": "~1.0.0"

## },

## "dependencies": {

## "statuses": {

## "version": "1.4.0",

## "resolved": "https://registry.npmjs.org/statuses/-/statuses-1.4.0.tgz",

## "integrity": "sha512-zhSCtt8v2NDrRlPQpCNtw/heZLtfUDqxBM1udqikb/Hbk52LK4nQSwr10u77iopCW5LsyHpuXS0GnEc48mLeew=="

## }

## }

## },

## "forwarded": {

## "version": "0.1.2",

## "resolved": "https://registry.npmjs.org/forwarded/-/forwarded-0.1.2.tgz",

## "integrity": "sha1-mMI9qxF1ZXuMBXPozszZGw/xjIQ="

## },

## "fresh": {

## "version": "0.5.2",

## "resolved": "https://registry.npmjs.org/fresh/-/fresh-0.5.2.tgz",

## "integrity": "sha1-PYyt2Q2XZWn6g1qx+OSyOhBWBac="

## },

## "fs.realpath": {

## "version": "1.0.0",

## "resolved": "https://registry.npmjs.org/fs.realpath/-/fs.realpath-1.0.0.tgz",

## "integrity": "sha1-FQStJSMVjKpA20onh8sBQRmU6k8="

## },

## "function-bind": {

## "version": "1.1.1",

## "resolved": "https://registry.npmjs.org/function-bind/-/function-bind-1.1.1.tgz",

## "integrity": "sha512-yIovAzMX49sF8Yl58fSCWJ5svSLuaibPxXQJFLmBObTuCr0Mf1KiPopGM9NiFjiYBCbfaa2Fh6breQ6ANVTI0A=="

## },

## "glob": {

## "version": "7.1.3",

## "resolved": "https://registry.npmjs.org/glob/-/glob-7.1.3.tgz",

## "integrity": "sha512-vcfuiIxogLV4DlGBHIUOwI0IbrJ8HWPc4MU7HzviGeNho/UJDfi6B5p3sHeWIQ0KGIU0Jpxi5ZHxemQfLkkAwQ==",

## "requires": {

## "fs.realpath": "^1.0.0",

## "inflight": "^1.0.4",

## "inherits": "2",

## "minimatch": "^3.0.4",

## "once": "^1.3.0",

## "path-is-absolute": "^1.0.0"

## }

## },

## "graceful-fs": {

## "version": "4.1.15",

## "resolved": "https://registry.npmjs.org/graceful-fs/-/graceful-fs-4.1.15.tgz",

## "integrity": "sha512-6uHUhOPEBgQ24HM+r6b/QwWfZq+yiFcipKFrOFiBEnWdy5sdzYoi+pJeQaPI5qOLRFqWmAXUPQNsielzdLoecA=="

## },

## "handlebars": {

## "version": "4.5.3",

## "resolved": "https://registry.npmjs.org/handlebars/-/handlebars-4.5.3.tgz",

## "integrity": "sha512-3yPecJoJHK/4c6aZhSvxOyG4vJKDshV36VHp0iVCDVh7o9w2vwi3NSnL2MMPj3YdduqaBcu7cGbggJQM0br9xA==",

## "requires": {

## "neo-async": "^2.6.0",

## "optimist": "^0.6.1",

## "source-map": "^0.6.1",

## "uglify-js": "^3.1.4"

## }

## },

## "has-symbols": {

## "version": "1.0.0",

## "resolved": "https://registry.npmjs.org/has-symbols/-/has-symbols-1.0.0.tgz",

## "integrity": "sha1-uhqPGvKg/DllD1yFA2dwQSIGO0Q="

## },

## "http-errors": {

## "version": "1.6.3",

## "resolved": "https://registry.npmjs.org/http-errors/-/http-errors-1.6.3.tgz",

## "integrity": "sha1-i1VoC7S+KDoLW/TqLjhYC+HZMg0=",

## "requires": {

## "depd": "~1.1.2",

## "inherits": "2.0.3",

## "setprototypeof": "1.1.0",

## "statuses": ">= 1.4.0 < 2"

## }

## },

## "iconv-lite": {

## "version": "0.4.23",

## "resolved": "https://registry.npmjs.org/iconv-lite/-/iconv-lite-0.4.23.tgz",

## "integrity": "sha512-neyTUVFtahjf0mB3dZT77u+8O0QB89jFdnBkd5P1JgYPbPaia3gXXOVL2fq8VyU2gMMD7SaN7QukTB/pmXYvDA==",

## "requires": {

## "safer-buffer": ">= 2.1.2 < 3"

## }

## },

## "inflight": {

## "version": "1.0.6",

## "resolved": "https://registry.npmjs.org/inflight/-/inflight-1.0.6.tgz",

## "integrity": "sha1-Sb1jMdfQLQwJvJEKEHW6gWW1bfk=",

## "requires": {

## "once": "^1.3.0",

## "wrappy": "1"

## }

## },

## "inherits": {

## "version": "2.0.3",

## "resolved": "https://registry.npmjs.org/inherits/-/inherits-2.0.3.tgz",

## "integrity": "sha1-Yzwsg+PaQqUC9SRmAiSA9CCCYd4="

## },

## "ipaddr.js": {

## "version": "1.8.0",

## "resolved": "https://registry.npmjs.org/ipaddr.js/-/ipaddr.js-1.8.0.tgz",

## "integrity": "sha1-6qM9bd16zo9/b+DJygRA5wZzix4="

## },

## "kareem": {

## "version": "2.3.1",

## "resolved": "https://registry.npmjs.org/kareem/-/kareem-2.3.1.tgz",

## "integrity": "sha512-l3hLhffs9zqoDe8zjmb/mAN4B8VT3L56EUvKNqLFVs9YlFA+zx7ke1DO8STAdDyYNkeSo1nKmjuvQeI12So8Xw=="

## },

## "lodash": {

## "version": "4.17.19",

## "resolved": "https://registry.npmjs.org/lodash/-/lodash-4.17.19.tgz",

## "integrity": "sha512-JNvd8XER9GQX0v2qJgsaN/mzFCNA5BRe/j8JN9d+tWyGLSodKQHKFicdwNYzWwI3wjRnaKPsGj1XkBjx/F96DQ=="

## },

## "media-typer": {

## "version": "0.3.0",

## "resolved": "https://registry.npmjs.org/media-typer/-/media-typer-0.3.0.tgz",

## "integrity": "sha1-hxDXrwqmJvj/+hzgAWhUUmMlV0g="

## },

## "merge-descriptors": {

## "version": "1.0.1",

## "resolved": "https://registry.npmjs.org/merge-descriptors/-/merge-descriptors-1.0.1.tgz",

## "integrity": "sha1-sAqqVW3YtEVoFQ7J0blT8/kMu2E="

## },

## "methods": {

## "version": "1.1.2",

## "resolved": "https://registry.npmjs.org/methods/-/methods-1.1.2.tgz",

## "integrity": "sha1-VSmk1nZUE07cxSZmVoNbD4Ua/O4="

## },

## "mime": {

## "version": "1.4.1",

## "resolved": "https://registry.npmjs.org/mime/-/mime-1.4.1.tgz",

## "integrity": "sha512-KI1+qOZu5DcW6wayYHSzR/tXKCDC5Om4s1z2QJjDULzLcmf3DvzS7oluY4HCTrc+9FiKmWUgeNLg7W3uIQvxtQ=="

## },

## "mime-db": {

## "version": "1.38.0",

## "resolved": "https://registry.npmjs.org/mime-db/-/mime-db-1.38.0.tgz",

## "integrity": "sha512-bqVioMFFzc2awcdJZIzR3HjZFX20QhilVS7hytkKrv7xFAn8bM1gzc/FOX2awLISvWe0PV8ptFKcon+wZ5qYkg=="

## },

## "mime-types": {

## "version": "2.1.22",

## "resolved": "https://registry.npmjs.org/mime-types/-/mime-types-2.1.22.tgz",

## "integrity": "sha512-aGl6TZGnhm/li6F7yx82bJiBZwgiEa4Hf6CNr8YO+r5UHr53tSTYZb102zyU50DOWWKeOv0uQLRL0/9EiKWCog==",

## "requires": {

## "mime-db": "~1.38.0"

## }

## },

## "minimatch": {

## "version": "3.0.4",

## "resolved": "https://registry.npmjs.org/minimatch/-/minimatch-3.0.4.tgz",

## "integrity": "sha512-yJHVQEhyqPLUTgt9B83PXu6W3rx4MvvHvSUvToogpwoGDOUQ+yDrR0HRot+yOCdCO7u4hX3pWft6kWBBcqh0UA==",

## "requires": {

## "brace-expansion": "^1.1.7"

## }

## },

## "minimist": {

## "version": "0.0.10",

## "resolved": "https://registry.npmjs.org/minimist/-/minimist-0.0.10.tgz",

## "integrity": "sha1-3j+YVD2/lggr5IrRoMfNqDYwHc8="

## },

## "mongodb": {

## "version": "3.3.2",

## "resolved": "https://registry.npmjs.org/mongodb/-/mongodb-3.3.2.tgz",

## "integrity": "sha512-fqJt3iywelk4yKu/lfwQg163Bjpo5zDKhXiohycvon4iQHbrfflSAz9AIlRE6496Pm/dQKQK5bMigdVo2s6gBg==",

## "requires": {

## "bson": "^1.1.1",

## "require\_optional": "^1.0.1",

## "safe-buffer": "^5.1.2"

## }

## },

## "mongoose": {

## "version": "5.7.5",

## "resolved": "https://registry.npmjs.org/mongoose/-/mongoose-5.7.5.tgz",

## "integrity": "sha512-BZ4FxtnbTurc/wcm/hLltLdI4IDxo4nsE0D9q58YymTdZwreNzwO62CcjVtaHhmr8HmJtOInp2W/T12FZaMf8g==",

## "requires": {

## "bson": "~1.1.1",

## "kareem": "2.3.1",

## "mongodb": "3.3.2",

## "mongoose-legacy-pluralize": "1.0.2",

## "mpath": "0.6.0",

## "mquery": "3.2.2",

## "ms": "2.1.2",

## "regexp-clone": "1.0.0",

## "safe-buffer": "5.1.2",

## "sift": "7.0.1",

## "sliced": "1.0.1"

## },

## "dependencies": {

## "ms": {

## "version": "2.1.2",

## "resolved": "https://registry.npmjs.org/ms/-/ms-2.1.2.tgz",

## "integrity": "sha512-sGkPx+VjMtmA6MX27oA4FBFELFCZZ4S4XqeGOXCv68tT+jb3vk/RyaKWP0PTKyWtmLSM0b+adUTEvbs1PEaH2w=="

## }

## }

## },

## "mongoose-legacy-pluralize": {

## "version": "1.0.2",

## "resolved": "https://registry.npmjs.org/mongoose-legacy-pluralize/-/mongoose-legacy-pluralize-1.0.2.tgz",

## "integrity": "sha512-Yo/7qQU4/EyIS8YDFSeenIvXxZN+ld7YdV9LqFVQJzTLye8unujAWPZ4NWKfFA+RNjh+wvTWKY9Z3E5XM6ZZiQ=="

## },

## "mpath": {

## "version": "0.6.0",

## "resolved": "https://registry.npmjs.org/mpath/-/mpath-0.6.0.tgz",

## "integrity": "sha512-i75qh79MJ5Xo/sbhxrDrPSEG0H/mr1kcZXJ8dH6URU5jD/knFxCVqVC/gVSW7GIXL/9hHWlT9haLbCXWOll3qw=="

## },

## "mquery": {

## "version": "3.2.2",

## "resolved": "https://registry.npmjs.org/mquery/-/mquery-3.2.2.tgz",

## "integrity": "sha512-XB52992COp0KP230I3qloVUbkLUxJIu328HBP2t2EsxSFtf4W1HPSOBWOXf1bqxK4Xbb66lfMJ+Bpfd9/yZE1Q==",

## "requires": {

## "bluebird": "3.5.1",

## "debug": "3.1.0",

## "regexp-clone": "^1.0.0",

## "safe-buffer": "5.1.2",

## "sliced": "1.0.1"

## },

## "dependencies": {

## "debug": {

## "version": "3.1.0",

## "resolved": "https://registry.npmjs.org/debug/-/debug-3.1.0.tgz",

## "integrity": "sha512-OX8XqP7/1a9cqkxYw2yXss15f26NKWBpDXQd0/uK/KPqdQhxbPa994hnzjcE2VqQpDslf55723cKPUOGSmMY3g==",

## "requires": {

## "ms": "2.0.0"

## }

## }

## }

## },

## "ms": {

## "version": "2.0.0",

## "resolved": "https://registry.npmjs.org/ms/-/ms-2.0.0.tgz",

## "integrity": "sha1-VgiurfwAvmwpAd9fmGF4jeDVl8g="

## },

## "negotiator": {

## "version": "0.6.1",

## "resolved": "https://registry.npmjs.org/negotiator/-/negotiator-0.6.1.tgz",

## "integrity": "sha1-KzJxhOiZIQEXeyhWP7XnECrNDKk="

## },

## "neo-async": {

## "version": "2.6.0",

## "resolved": "https://registry.npmjs.org/neo-async/-/neo-async-2.6.0.tgz",

## "integrity": "sha512-MFh0d/Wa7vkKO3Y3LlacqAEeHK0mckVqzDieUKTT+KGxi+zIpeVsFxymkIiRpbpDziHc290Xr9A1O4Om7otoRA=="

## },

## "object-keys": {

## "version": "1.1.1",

## "resolved": "https://registry.npmjs.org/object-keys/-/object-keys-1.1.1.tgz",

## "integrity": "sha512-NuAESUOUMrlIXOfHKzD6bpPu3tYt3xvjNdRIQ+FeT0lNb4K8WR70CaDxhuNguS2XG+GjkyMwOzsN5ZktImfhLA=="

## },

## "object.assign": {

## "version": "4.1.0",

## "resolved": "https://registry.npmjs.org/object.assign/-/object.assign-4.1.0.tgz",

## "integrity": "sha512-exHJeq6kBKj58mqGyTQ9DFvrZC/eR6OwxzoM9YRoGBqrXYonaFyGiFMuc9VZrXf7DarreEwMpurG3dd+CNyW5w==",

## "requires": {

## "define-properties": "^1.1.2",

## "function-bind": "^1.1.1",

## "has-symbols": "^1.0.0",

## "object-keys": "^1.0.11"

## }

## },

## "on-finished": {

## "version": "2.3.0",

## "resolved": "https://registry.npmjs.org/on-finished/-/on-finished-2.3.0.tgz",

## "integrity": "sha1-IPEzZIGwg811M3mSoWlxqi2QaUc=",

## "requires": {

## "ee-first": "1.1.1"

## }

## },

## "on-headers": {

## "version": "1.0.2",

## "resolved": "https://registry.npmjs.org/on-headers/-/on-headers-1.0.2.tgz",

## "integrity": "sha512-pZAE+FJLoyITytdqK0U5s+FIpjN0JP3OzFi/u8Rx+EV5/W+JTWGXG8xFzevE7AjBfDqHv/8vL8qQsIhHnqRkrA=="

## },

## "once": {

## "version": "1.4.0",

## "resolved": "https://registry.npmjs.org/once/-/once-1.4.0.tgz",

## "integrity": "sha1-WDsap3WWHUsROsF9nFC6753Xa9E=",

## "requires": {

## "wrappy": "1"

## }

## },

## "optimist": {

## "version": "0.6.1",

## "resolved": "https://registry.npmjs.org/optimist/-/optimist-0.6.1.tgz",

## "integrity": "sha1-2j6nRob6IaGaERwybpDrFaAZZoY=",

## "requires": {

## "minimist": "~0.0.1",

## "wordwrap": "~0.0.2"

## }

## },

## "parseurl": {

## "version": "1.3.2",

## "resolved": "https://registry.npmjs.org/parseurl/-/parseurl-1.3.2.tgz",

## "integrity": "sha1-/CidTtiZMRlGDBViUyYs3I3mW/M="

## },

## "passport": {

## "version": "0.4.0",

## "resolved": "https://registry.npmjs.org/passport/-/passport-0.4.0.tgz",

## "integrity": "sha1-xQlWkTR71a07XhgCOMORTRbwWBE=",

## "requires": {

## "passport-strategy": "1.x.x",

## "pause": "0.0.1"

## }

## },

## "passport-http": {

## "version": "0.3.0",

## "resolved": "https://registry.npmjs.org/passport-http/-/passport-http-0.3.0.tgz",

## "integrity": "sha1-juU9Q4C+nGDfIVGSUCmCb3cRVgM=",

## "requires": {

## "passport-strategy": "1.x.x"

## }

## },

## "passport-local": {

## "version": "1.0.0",

## "resolved": "https://registry.npmjs.org/passport-local/-/passport-local-1.0.0.tgz",

## "integrity": "sha1-H+YyaMkudWBmJkN+O5BmYsFbpu4=",

## "requires": {

## "passport-strategy": "1.x.x"

## }

## },

## "passport-strategy": {

## "version": "1.0.0",

## "resolved": "https://registry.npmjs.org/passport-strategy/-/passport-strategy-1.0.0.tgz",

## "integrity": "sha1-tVOaqPwiWj0a0XlHbd8ja0QPUuQ="

## },

## "path-is-absolute": {

## "version": "1.0.1",

## "resolved": "https://registry.npmjs.org/path-is-absolute/-/path-is-absolute-1.0.1.tgz",

## "integrity": "sha1-F0uSaHNVNP+8es5r9TpanhtcX18="

## },

## "path-to-regexp": {

## "version": "0.1.7",

## "resolved": "https://registry.npmjs.org/path-to-regexp/-/path-to-regexp-0.1.7.tgz",

## "integrity": "sha1-32BBeABfUi8V60SQ5yR6G/qmf4w="

## },

## "pause": {

## "version": "0.0.1",

## "resolved": "https://registry.npmjs.org/pause/-/pause-0.0.1.tgz",

## "integrity": "sha1-HUCLP9t2kjuVQ9lvtMnf1TXZy10="

## },

## "promise": {

## "version": "8.0.3",

## "resolved": "https://registry.npmjs.org/promise/-/promise-8.0.3.tgz",

## "integrity": "sha512-HeRDUL1RJiLhyA0/grn+PTShlBAcLuh/1BJGtrvjwbvRDCTLLMEz9rOGCV+R3vHY4MixIuoMEd9Yq/XvsTPcjw==",

## "requires": {

## "asap": "~2.0.6"

## }

## },

## "proxy-addr": {

## "version": "2.0.4",

## "resolved": "https://registry.npmjs.org/proxy-addr/-/proxy-addr-2.0.4.tgz",

## "integrity": "sha512-5erio2h9jp5CHGwcybmxmVqHmnCBZeewlfJ0pex+UW7Qny7OOZXTtH56TGNyBizkgiOwhJtMKrVzDTeKcySZwA==",

## "requires": {

## "forwarded": "~0.1.2",

## "ipaddr.js": "1.8.0"

## }

## },

## "qs": {

## "version": "6.5.2",

## "resolved": "https://registry.npmjs.org/qs/-/qs-6.5.2.tgz",

## "integrity": "sha512-N5ZAX4/LxJmF+7wN74pUD6qAh9/wnvdQcjq9TZjevvXzSUo7bfmw91saqMjzGS2xq91/odN2dW/WOl7qQHNDGA=="

## },

## "random-bytes": {

## "version": "1.0.0",

## "resolved": "https://registry.npmjs.org/random-bytes/-/random-bytes-1.0.0.tgz",

## "integrity": "sha1-T2ih3Arli9P7lYSMMDJNt11kNgs="

## },

## "range-parser": {

## "version": "1.2.0",

## "resolved": "https://registry.npmjs.org/range-parser/-/range-parser-1.2.0.tgz",

## "integrity": "sha1-9JvmtIeJTdxA3MlKMi9hEJLgDV4="

## },

## "raw-body": {

## "version": "2.3.3",

## "resolved": "https://registry.npmjs.org/raw-body/-/raw-body-2.3.3.tgz",

## "integrity": "sha512-9esiElv1BrZoI3rCDuOuKCBRbuApGGaDPQfjSflGxdy4oyzqghxu6klEkkVIvBje+FF0BX9coEv8KqW6X/7njw==",

## "requires": {

## "bytes": "3.0.0",

## "http-errors": "1.6.3",

## "iconv-lite": "0.4.23",

## "unpipe": "1.0.0"

## }

## },

## "regexp-clone": {

## "version": "1.0.0",

## "resolved": "https://registry.npmjs.org/regexp-clone/-/regexp-clone-1.0.0.tgz",

## "integrity": "sha512-TuAasHQNamyyJ2hb97IuBEif4qBHGjPHBS64sZwytpLEqtBQ1gPJTnOaQ6qmpET16cK14kkjbazl6+p0RRv0yw=="

## },

## "require\_optional": {

## "version": "1.0.1",

## "resolved": "https://registry.npmjs.org/require\_optional/-/require\_optional-1.0.1.tgz",

## "integrity": "sha512-qhM/y57enGWHAe3v/NcwML6a3/vfESLe/sGM2dII+gEO0BpKRUkWZow/tyloNqJyN6kXSl3RyyM8Ll5D/sJP8g==",

## "requires": {

## "resolve-from": "^2.0.0",

## "semver": "^5.1.0"

## }

## },

## "resolve-from": {

## "version": "2.0.0",

## "resolved": "https://registry.npmjs.org/resolve-from/-/resolve-from-2.0.0.tgz",

## "integrity": "sha1-lICrIOlP+h2egKgEx+oUdhGWa1c="

## },

## "safe-buffer": {

## "version": "5.1.2",

## "resolved": "https://registry.npmjs.org/safe-buffer/-/safe-buffer-5.1.2.tgz",

## "integrity": "sha512-Gd2UZBJDkXlY7GbJxfsE8/nvKkUEU1G38c1siN6QP6a9PT9MmHB8GnpscSmMJSoF8LOIrt8ud/wPtojys4G6+g=="

## },

## "safer-buffer": {

## "version": "2.1.2",

## "resolved": "https://registry.npmjs.org/safer-buffer/-/safer-buffer-2.1.2.tgz",

## "integrity": "sha512-YZo3K82SD7Riyi0E1EQPojLz7kpepnSQI9IyPbHHg1XXXevb5dJI7tpyN2ADxGcQbHG7vcyRHk0cbwqcQriUtg=="

## },

## "semver": {

## "version": "5.7.1",

## "resolved": "https://registry.npmjs.org/semver/-/semver-5.7.1.tgz",

## "integrity": "sha512-sauaDf/PZdVgrLTNYHRtpXa1iRiKcaebiKQ1BJdpQlWH2lCvexQdX55snPFyK7QzpudqbCI0qXFfOasHdyNDGQ=="

## },

## "send": {

## "version": "0.16.2",

## "resolved": "https://registry.npmjs.org/send/-/send-0.16.2.tgz",

## "integrity": "sha512-E64YFPUssFHEFBvpbbjr44NCLtI1AohxQ8ZSiJjQLskAdKuriYEP6VyGEsRDH8ScozGpkaX1BGvhanqCwkcEZw==",

## "requires": {

## "debug": "2.6.9",

## "depd": "~1.1.2",

## "destroy": "~1.0.4",

## "encodeurl": "~1.0.2",

## "escape-html": "~1.0.3",

## "etag": "~1.8.1",

## "fresh": "0.5.2",

## "http-errors": "~1.6.2",

## "mime": "1.4.1",

## "ms": "2.0.0",

## "on-finished": "~2.3.0",

## "range-parser": "~1.2.0",

## "statuses": "~1.4.0"

## },

## "dependencies": {

## "statuses": {

## "version": "1.4.0",

## "resolved": "https://registry.npmjs.org/statuses/-/statuses-1.4.0.tgz",

## "integrity": "sha512-zhSCtt8v2NDrRlPQpCNtw/heZLtfUDqxBM1udqikb/Hbk52LK4nQSwr10u77iopCW5LsyHpuXS0GnEc48mLeew=="

## }

## }

## },

## "serve-static": {

## "version": "1.13.2",

## "resolved": "https://registry.npmjs.org/serve-static/-/serve-static-1.13.2.tgz",

## "integrity": "sha512-p/tdJrO4U387R9oMjb1oj7qSMaMfmOyd4j9hOFoxZe2baQszgHcSWjuya/CiT5kgZZKRudHNOA0pYXOl8rQ5nw==",

## "requires": {

## "encodeurl": "~1.0.2",

## "escape-html": "~1.0.3",

## "parseurl": "~1.3.2",

## "send": "0.16.2"

## }

## },

## "setprototypeof": {

## "version": "1.1.0",

## "resolved": "https://registry.npmjs.org/setprototypeof/-/setprototypeof-1.1.0.tgz",

## "integrity": "sha512-BvE/TwpZX4FXExxOxZyRGQQv651MSwmWKZGqvmPcRIjDqWub67kTKuIMx43cZZrS/cBBzwBcNDWoFxt2XEFIpQ=="

## },

## "sift": {

## "version": "7.0.1",

## "resolved": "https://registry.npmjs.org/sift/-/sift-7.0.1.tgz",

## "integrity": "sha512-oqD7PMJ+uO6jV9EQCl0LrRw1OwsiPsiFQR5AR30heR+4Dl7jBBbDLnNvWiak20tzZlSE1H7RB30SX/1j/YYT7g=="

## },

## "sliced": {

## "version": "1.0.1",

## "resolved": "https://registry.npmjs.org/sliced/-/sliced-1.0.1.tgz",

## "integrity": "sha1-CzpmK10Ewxd7GSa+qCsD+Dei70E="

## },

## "source-map": {

## "version": "0.6.1",

## "resolved": "https://registry.npmjs.org/source-map/-/source-map-0.6.1.tgz",

## "integrity": "sha512-UjgapumWlbMhkBgzT7Ykc5YXUT46F0iKu8SGXq0bcwP5dz/h0Plj6enJqjz1Zbq2l5WaqYnrVbwWOWMyF3F47g=="

## },

## "statuses": {

## "version": "1.5.0",

## "resolved": "https://registry.npmjs.org/statuses/-/statuses-1.5.0.tgz",

## "integrity": "sha1-Fhx9rBd2Wf2YEfQ3cfqZOBR4Yow="

## },

## "type-is": {

## "version": "1.6.16",

## "resolved": "https://registry.npmjs.org/type-is/-/type-is-1.6.16.tgz",

## "integrity": "sha512-HRkVv/5qY2G6I8iab9cI7v1bOIdhm94dVjQCPFElW9W+3GeDOSHmy2EBYe4VTApuzolPcmgFTN3ftVJRKR2J9Q==",

## "requires": {

## "media-typer": "0.3.0",

## "mime-types": "~2.1.18"

## }

## },

## "uglify-js": {

## "version": "3.5.4",

## "resolved": "https://registry.npmjs.org/uglify-js/-/uglify-js-3.5.4.tgz",

## "integrity": "sha512-GpKo28q/7Bm5BcX9vOu4S46FwisbPbAmkkqPnGIpKvKTM96I85N6XHQV+k4I6FA2wxgLhcsSyHoNhzucwCflvA==",

## "optional": true,

## "requires": {

## "commander": "~2.20.0",

## "source-map": "~0.6.1"

## }

## },

## "uid-safe": {

## "version": "2.1.5",

## "resolved": "https://registry.npmjs.org/uid-safe/-/uid-safe-2.1.5.tgz",

## "integrity": "sha512-KPHm4VL5dDXKz01UuEd88Df+KzynaohSL9fBh096KWAxSKZQDI2uBrVqtvRM4rwrIrRRKsdLNML/lnaaVSRioA==",

## "requires": {

## "random-bytes": "~1.0.0"

## }

## },

## "unpipe": {

## "version": "1.0.0",

## "resolved": "https://registry.npmjs.org/unpipe/-/unpipe-1.0.0.tgz",

## "integrity": "sha1-sr9O6FFKrmFltIF4KdIbLvSZBOw="

## },

## "utils-merge": {

## "version": "1.0.1",

## "resolved": "https://registry.npmjs.org/utils-merge/-/utils-merge-1.0.1.tgz",

## "integrity": "sha1-n5VxD1CiZ5R7LMwSR0HBAoQn5xM="

## },

## "validator": {

## "version": "10.11.0",

## "resolved": "https://registry.npmjs.org/validator/-/validator-10.11.0.tgz",

## "integrity": "sha512-X/p3UZerAIsbBfN/IwahhYaBbY68EN/UQBWHtsbXGT5bfrH/p4NQzUCG1kF/rtKaNpnJ7jAu6NGTdSNtyNIXMw=="

## },

## "vary": {

## "version": "1.1.2",

## "resolved": "https://registry.npmjs.org/vary/-/vary-1.1.2.tgz",

## "integrity": "sha1-IpnwLG3tMNSllhsLn3RSShj2NPw="

## },

## "wordwrap": {

## "version": "0.0.3",

## "resolved": "https://registry.npmjs.org/wordwrap/-/wordwrap-0.0.3.tgz",

## "integrity": "sha1-o9XabNXAvAAI03I0u68b7WMFkQc="

## },

## "wrappy": {

## "version": "1.0.2",

## "resolved": "https://registry.npmjs.org/wrappy/-/wrappy-1.0.2.tgz",

## "integrity": "sha1-tSQ9jz7BqjXxNkYFvA0QNuMKtp8="

## }

## }

## }

## ****package.json:-****

## {

## "name": "complaint-system",

## "version": "1.0.0",

## "description": "A simple Complaint System with Auth using Passport",

## "main": "index.js",

## "scripts": {

## "test": "echo \"Error: no test specified\" && exit 1",

## "start": "node app"

## },

## "keywords": [

## "complaint",

## "system"

## ],

## "author": "Bhabananda Prusty",

## "license": "ISC",

## "dependencies": {

## "express": "\*",

## "body-parser": "\*",

## "express-handlebars": "\*",

## "express-messages": "\*",

## "express-session": "\*",

## "express-validator": "\*",

## "connect-flash": "\*",

## "mongoose": "\*",

## "passport": "\*",

## "passport-http": "\*",

## "passport-local": "\*",

## "bcryptjs": "\*"

## }

## }

## ****bootstrap.min.css:-****

|  |
| --- |
| \*! |
|  | \* Bootswatch v4.3.1 |
|  | \* Homepage: https://bootswatch.com |
|  | \* Copyright 2012-2019 Thomas Park |
|  | \* Licensed under MIT |
|  | \* Based on Bootstrap |
|  | \*//\*! |
|  | \* Bootstrap v4.3.1 (https://getbootstrap.com/) |
|  | \* Copyright 2011-2019 The Bootstrap Authors |
|  | \* Copyright 2011-2019 Twitter, Inc. |
|  | \* Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE) |

**Index.js:-**

const express = require('express');

const router = express.Router();

const passport = require('passport');

const LocalStrategy = require('passport-local').Strategy;

let User = require('../models/user');

let Complaint = require('../models/complaint');

let ComplaintMapping = require('../models/complaint-mapping');

// Home Page - Dashboard

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

res.render('index');

});

// Login Form

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

res.render('login');

});

// Register Form

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

res.render('register');

});

// Logout

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

req.logout();

req.flash('success\_msg', 'You are logged out');

res.redirect('/login');

});

// Admin

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

Complaint.getAllComplaints((err, complaints) => {

if (err) throw err;

User.getEngineer((err, engineer) => {

if (err) throw err;

res.render('admin/admin', {

complaints : complaints,

engineer : engineer,

});

});

});

});

// Assign the Complaint to Engineer

router.post('/assign', (req,res,next) => {

const complaintID = req.body.complaintID;

const engineerName = req.body.engineerName;

req.checkBody('complaintID', 'Contact field is required').notEmpty();

req.checkBody('engineerName', 'Description field is required').notEmpty();

let errors = req.validationErrors();

if (errors) {

res.render('admin/admin', {

errors: errors

});

} else {

const newComplaintMapping = new ComplaintMapping({

complaintID: complaintID,

engineerName: engineerName,

});

ComplaintMapping.registerMapping(newComplaintMapping, (err, complaint) => {

if (err) throw err;

req.flash('success\_msg', 'You have successfully assigned a complaint to Engineer');

res.redirect('/admin');

});

}

});

// Junior Eng

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

res.render('junior/junior');

});

//Complaint

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

//console.log(req.session.passport.username);

//console.log(user.name);

res.render('complaint', {

username: req.session.user,

});

});

//Register a Complaint

router.post('/registerComplaint', (req, res, next) => {

const name = req.body.name;

const email = req.body.email;

const contact = req.body.contact;

const desc = req.body.desc;

const postBody = req.body;

console.log(postBody);

req.checkBody('contact', 'Contact field is required').notEmpty();

req.checkBody('desc', 'Description field is required').notEmpty();

let errors = req.validationErrors();

if (errors) {

res.render('complaint', {

errors: errors

});

} else {

const newComplaint = new Complaint({

name: name,

email: email,

contact: contact,

desc: desc,

});

Complaint.registerComplaint(newComplaint, (err, complaint) => {

if (err) throw err;

req.flash('success\_msg', 'You have successfully launched a complaint');

res.redirect('/');

});

}

});

// Process Register

router.post('/register', (req, res, next) => {

const name = req.body.name;

const username = req.body.username;

const email = req.body.email;

const password = req.body.password;

const password2 = req.body.password2;

const role = req.body.role;

req.checkBody('name', 'Name field is required').notEmpty();

req.checkBody('email', 'Email field is required').notEmpty();

req.checkBody('email', 'Email must be a valid email address').isEmail();

req.checkBody('username', 'Username field is required').notEmpty();

req.checkBody('password', 'Password field is required').notEmpty();

req.checkBody('password2', 'Passwords do not match').equals(req.body.password);

req.checkBody('role', 'Role option is required').notEmpty();

let errors = req.validationErrors();

if (errors) {

res.render('register', {

errors: errors

});

} else {

const newUser = new User({

name: name,

username: username,

email: email,

password: password,

role: role

});

User.registerUser(newUser, (err, user) => {

if (err) throw err;

req.flash('success\_msg', 'You are Successfully Registered and can Log in');

res.redirect('/login');

});

}

});

// Local Strategy

passport.use(new LocalStrategy((username, password, done) => {

User.getUserByUsername(username, (err, user) => {

if (err) throw err;

if (!user) {

return done(null, false, {

message: 'No user found'

});

}

User.comparePassword(password, user.password, (err, isMatch) => {

if (err) throw err;

if (isMatch) {

return done(null, user);

} else {

return done(null, false, {

message: 'Wrong Password'

});

}

});

});

}));

passport.serializeUser((user, done) => {

var sessionUser = {

\_id: user.\_id,

name: user.name,

username: user.username,

email: user.email,

role: user.role,

}

done(null, sessionUser);

});

passport.deserializeUser((id, done) => {

User.getUserById(id, (err, sessionUser) => {

done(err, sessionUser);

});

});

// Login Processing

router.post('/login', passport.authenticate('local',

{

failureRedirect: '/login',

failureFlash: true

}), (req, res, next) => {

req.session.save((err) => {

if (err) {

return next(err);

}

if(req.user.role==='admin'){

res.redirect('/admin');

}

else if(req.user.role==='jeng'){

res.redirect('/jeng');

}

else{

res.redirect('/');

}

});

});

// Access Control

function ensureAuthenticated(req, res, next) {

if (req.isAuthenticated()) {

return next();

} else {

req.flash('error\_msg', 'You are not Authorized to view this page');

res.redirect('/login');

}

}

module.exports = router;

## ****admin.handlebars:-****

## <h3>Hello {{user.name}} !!!</h3>

## <br>

## <br>

## <table class="table table-bordered">

## <thead class="table-success">

## <tr>

## <th scope="col">ID</th>

## <th scope="col">Customer Name</th>

## <th scope="col">Customer Contact</th>

## <th scope="col">Description</th>

## </tr>

## </thead>

## <tbody>

## {{#each complaints}}

## <tr>

## <td>{{\_id}}</td>

## <td>{{name}}</td>

## <td>{{contact}}</td>

## <td>{{desc}}</td>

## </tr>

## {{/each}}

## 

## </tbody>

## </table>

## <div class="container mt-5 border p-5" style="width:70%">

## <h2> Assign the Complaint to Engineer</h2>

## <br>

## <form method="post" action="/assign">

## <div class="form-group">

## <label>Complaint Number</label>

## <input class="form-control" type="text" name="complaintID" placeholder="Complaint Number">

## </div>

## <div class="form-group">

## <label>Engineer</label>

## <select name="engineerName" id="engineerName" class="form-control">

## {{#each engineer}}

## <option value={{username}}> {{username}} </option>

## {{/each}}

## </select>

## </div>

## <div class="form-group">

## <button type="submit" class="btn btn-success btn-block">Assign to Engineer</button>

## </div>

## </form>

## </div>

## ****complaint.handlebars:-****

## <form method="post" action="/registerComplaint">

## <h2>Register a Complaint</h2>

## <div class="form-group">

## <label>Name</label>

## <input class="form-control" type="text" name="name" placeholder="Name" >

## </div>

## <div class="form-group">

## <label>Email</label>

## <input class="form-control" type="email" name="email" placeholder="Email">

## </div>

## <div class="form-group">

## <label>Contact Number</label>

## <input class="form-control" type="text" name="contact" placeholder="Phone Number">

## </div>

## <div class="form-group">

## <label>Description</label>

## <textarea type="text" class="form-control" name="desc" cols="30" rows="10" placeholder="Enter the Description"></textarea>

## </div>

## <button class="btn btn-success" type="submit">Submit Complaint</button>

## <br>

## <br>

## Wanna change your mind? <a class="btn btn-warning btn-sm" href="/">Back</a>

## <br>

## <br>

## </form>

## ****index.handlebars:-****

## <h2>Welcome to Complaint Management System</h2>

## <br>

## <h3>Hello {{user.name}} !!!</h3>

## <br>

## <br>

## <a href="/complaint" class="btn btn-success btn-lg">Register a Complaint</a>

## ****junior.handlebars:-****

## JUNIOR ENG PAGE

## ****main.handlebars:-****

## <!DOCTYPE html>

## <html>

## <head>

## <meta charset="utf-8">

## <title>Complaint System</title>

## <link rel="stylesheet" href="/css/style.css">

## <link rel="stylesheet" href="css/bootstrap.min.css">

## </head>

## <body>

## 

## <nav class="navbar navbar-expand-lg navbar-dark bg-dark mb-5">

## <a class="navbar-brand" href="#">Complaint System</a>

## <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarColor02" aria-controls="navbarColor02" aria-expanded="false" aria-label="Toggle navigation">

## <span class="navbar-toggler-icon"></span>

## </button>

## <div class="collapse navbar-collapse" id="navbarColor02">

## <ul class="navbar-nav ">

## <li class="nav-item ">

## <a class="nav-link" href="/">Home <span class="sr-only">(current)</span></a>

## </li>

## </ul>

## <ul class="navbar-nav ml-auto">

## {{#if user}}

## <li class="nav-item "><a class="nav-link" href="/logout">Logout</a></li>

## {{else}}

## <li class="nav-item "><a class="nav-link" href="/login">Login</a></li>

## <li class="nav-item "><a class="nav-link" href="/register">Register</a></li>

## {{/if}}

## </ul>

## 

## </div>

## </nav>

## <div class="container">

## {{#if success\_msg}}

## <div class="alert alert-success">{{success\_msg}}</div>

## {{/if}}

## {{#if error\_msg}}

## <div class="alert alert-danger">{{error\_msg}}</div>

## {{/if}}

## {{#if error}}

## <div class="alert alert-danger">{{error}}</div>

## {{/if}}

## {{#if errors}}

## {{#each errors}}

## <div class="alert alert-danger">{{msg}}</div>

## {{/each}}

## {{/if}}

## {{{body}}}

## </div>

## </body>

## </html>

## ****login.handlebars:-****

## <form method="post" action="/login">

## <div class="form-group">

## <label>Username</label>

## <input class="form-control" type="text" name="username" placeholder="Username">

## </div>

## <div class="form-group">

## <label>Password</label>

## <input class="form-control" type="password" name="password" placeholder="Password">

## </div>

## <button class="btn btn-success" type="submit">Login</button>

## <br>

## <br>

## Don't Have An Account? <a class="btn btn-warning btn-sm" href="/register">Register</a>

## </form>

## ****register.handlebars:-****

## <form method="post" action="/register">

## <div class="form-group">

## <label for="name">Name</label>

## <input class="form-control" type="text" name="name" id="name" placeholder="Name">

## </div>

## <div class="form-group">

## <label for="username">Username</label>

## <input class="form-control" type="text" name="username" id="username" placeholder="Username">

## </div>

## <div class="form-group">

## <label for="email">Email</label>

## <input class="form-control" type="email" name="email" id="email" placeholder="Email">

## </div>

## <div class="form-group">

## <label for="password">Password</label>

## <input class="form-control" type="text" name="password" id="password" placeholder="Password">

## </div>

## <div class="form-group">

## <label for="password2">Confirm Password</label>

## <input class="form-control" type="text" name="password2" id="password2" placeholder="Confirm Password">

## </div>

## <div class="form-group">

## <label for="role">Role</label>

## <select class="form-control" name="role" id="role">

## <option value="user">User</option>

## <option value="jeng">Junior Engineer</option>

## <option value="admin">Admin</option>

## </select>

## </div>

## <button class="btn btn-success" type="submit">Register</button>

## <br>

## <br>

## Have An Account? <a class="btn btn-warning btn-sm" href="/login">Login Now</a>

## </form>