Config

db.js

module.exports = {

   //"URI" : "mongodb://localhost/test"

    "URI" : "mongodb://thomas:a123456@ds060977.mlab.com:60977/comp308-w2019-lesson4b"

}

Models

contact.js

let mongoose = require('mongoose');

// create a model class

let contactSchema = mongoose.Schema({

    firstName: String,

    lastName: String,

    age: Number

},

{

    collection: "first"

});

module.exports = mongoose.model('test', contactSchema);

Content

app.css

/\* custom css goes here \*/

Scripts

app.js

// IIFE -- Immediately Invoked Function Expression

(function(){

    function Start() {

        console.log(`%c App Started...`,

        "font-size: 20px; color: blue; font-weight: bold");

    }

    window.addEventListener("load", Start);

})();

Routes

contact.js

let express = require('express');

let router = express.Router();

let mongoose = require('mongoose');

// create a reference to the db schema

let contact = require('../models/contact');

/\* GET Contact List page - READ Operation \*/

router.get('/', (req, res, next) =>{

    contact.find((err, contactList) => {

        if(err) {

            return console.error(err);

        }

        else {

           // console.log(contactList);

            res.render('contacts/index', {

                title: 'Contact List',

                contactList: contactList

            });

        }

    });

});

module.exports = router;

index.js

let express = require('express');

let router = express.Router();

/\* GET home page. \*/

router.get('/', function(req, res, next) {

  res.render('index', { title: 'Home' });

});

/\* GET about page. \*/

router.get('/about', function(req, res, next) {

  res.render('index', { title: 'About' });

});

/\* GET products page. \*/

router.get('/products', function(req, res, next) {

  res.render('index', { title: 'Products' });

});

/\* GET services page. \*/

router.get('/services', function(req, res, next) {

  res.render('index', { title: 'Services' });

});

/\* GET contact page. \*/

router.get('/contact', function(req, res, next) {

  res.render('index', { title: 'Contact' });

});

module.exports = router;

views

contact

index.ejs

<% include ../partials/header.ejs %>

    <div class="container">

        <div class="row">

            <div class="col-md-offset-3 col-md-6">

                <h1><%= title %></h1>

                <br>

                <table class="table table-bordered table-striped table-hover">

                    <!-- Header Row-->

                    <tr>

                        <th class="text-center">First Name</th>

                        <th class="text-center">Last Name</th>

                        <th class="text-center">Age</th>

                    </tr>

                    <!-- Repeatable Template Row -->

                    <% for(let count = 0; count < contactList.length; count++) { %>

                        <tr>

                            <td class="text-center"><%= contactList[count].firstName %></td>

                            <td class="text-center"><%= contactList[count].lastName %></td>

                            <td class="text-center"><%= contactList[count].age %></td>

                        </tr>

                    <% } %>

                </table>

            </div>

        </div>

    </div>

<% include ../partials/footer.ejs %>

Partials

footer.ejs

<!-- JavaScript Section -->

    <script src="jquery/dist/jquery.min.js"></script>

    <script src="bootstrap/dist/js/bootstrap.min.js"></script>

    <script src="Scripts/app.js"></script>

  </body>

</html>

header.ejs

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="UTF-8" />

    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

    <meta http-equiv="X-UA-Compatible" content="ie=edge" />

    <title><%= title %></title>

    <!-- CSS Section-->

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

    <link rel="stylesheet" href="font-awesome/css/font-awesome.min.css" />

    <link rel="stylesheet" href="Content/app.css" />

  </head>

  <body>

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

      <a class="navbar-brand" href="/">COMP308</a>

      <button

        class="navbar-toggler"

        type="button"

        data-toggle="collapse"

        data-target="#navbarSupportedContent"

        aria-controls="navbarSupportedContent"

        aria-expanded="false"

        aria-label="Toggle navigation"

      >

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

      </button>

      <div class="collapse navbar-collapse" id="navbarSupportedContent">

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

          <% if(title == "Home") { %>

          <li class="nav-item active"><% } else { %></li>

          <li class="nav-item">

            <% } %>

            <a class="nav-link" href="/"

              ><i class="fa fa-lg fa-home"></i> Home

              <span class="sr-only">(current)</span></a

            >

          </li>

          <% if(title == "About") { %>

          <li class="nav-item active"><% } else { %></li>

          <li class="nav-item">

            <% } %>

            <a class="nav-link" href="/about"

              ><i class="fa fa-lg fa-info"></i> About</a

            >

          </li>

          <% if(title == "Products") { %>

          <li class="nav-item active"><% } else { %></li>

          <li class="nav-item">

            <% } %>

            <a class="nav-link" href="/products"

              ><i class="fa fa-lg fa-briefcase"></i> Products</a

            >

          </li>

          <% if(title == "Services") { %>

          <li class="nav-item active"><% } else { %></li>

          <li class="nav-item">

            <% } %>

            <a class="nav-link" href="/services"

              ><i class="fa fa-lg fa-birthday-cake"></i> Services</a

            >

          </li>

          <% if(title == "Contact") { %>

          <li class="nav-item active"><% } else { %></li>

          <li class="nav-item">

            <% } %>

            <a class="nav-link" href="/contact"

              ><i class="fa fa-lg fa-phone"></i> Contact</a

            >

          </li>

        </ul>

      </div>

    </nav>

Error.ejs

<h1><%= message %></h1>

<h2><%= error.status %></h2>

<pre><%= error.stack %></pre>

Index.ejs

<% include ./partials/header.ejs %>

    <div class="container">

      <div class="jumbotron">

        <h1 class="display-4">Welcome to <%= title %></h1>

        <% if (title == "Contact") { %>

          <a class="btn btn-primary" href="/contact-list" role="button">Contact List</a>

        <% } %>

      </div>

    </div>

<% include ./partials/footer.ejs %>

app.js

let createError = require('http-errors');

let express = require('express');

let path = require('path');

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

let logger = require('morgan');

// database setup

let mongoose = require('mongoose');

let DB = require('./config/db');

// point Mongoose to the DB URI

mongoose.connect(DB.URI);

let mongoDB = mongoose.connection;

mongoDB.on('error', console.error.bind(console, 'Connection Error:'));

mongoDB.once('open', ()=> {

  console.log("Connected to MongoDB...");

});

let indexRouter = require('./routes/index');

let contactRouter = require('./routes/contact');

let app = express();

// view engine setup

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

app.set('view engine', 'ejs');

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

app.use(express.json());

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

app.use(cookieParser());

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

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

app.use('/', indexRouter);

app.use('/contact-list', contactRouter);

// catch 404 and forward to error handler

app.use(function(req, res, next) {

  next(createError(404));

});

// 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;

package-lock.json

{

  "name": "comp308-w2019-lesson4b",

  "version": "0.0.1",

  "lockfileVersion": 1,

  "requires": true,

  "dependencies": {

    "@types/body-parser": {

      "version": "1.17.0",

      "resolved": "https://registry.npmjs.org/@types/body-parser/-/body-parser-1.17.0.tgz",

      "integrity": "sha512-a2+YeUjPkztKJu5aIF2yArYFQQp8d51wZ7DavSHjFuY1mqVgidGyzEQ41JIVNy82fXj8yPgy2vJmfIywgESW6w==",

      "dev": true,

      "requires": {

        "@types/connect": "\*",

        "@types/node": "\*"

      }

    },

    "@types/bson": {

      "version": "1.0.11",

      "resolved": "https://registry.npmjs.org/@types/bson/-/bson-1.0.11.tgz",

      "integrity": "sha512-j+UcCWI+FsbI5/FQP/Kj2CXyplWAz39ktHFkXk84h7dNblKRSoNJs95PZFRd96NQGqsPEPgeclqnznWZr14ZDA==",

      "dev": true,

      "requires": {

        "@types/node": "\*"

      }

    },

    "@types/connect": {

      "version": "3.4.32",

      "resolved": "https://registry.npmjs.org/@types/connect/-/connect-3.4.32.tgz",

      "integrity": "sha512-4r8qa0quOvh7lGD0pre62CAb1oni1OO6ecJLGCezTmhQ8Fz50Arx9RUszryR8KlgK6avuSXvviL6yWyViQABOg==",

      "dev": true,

      "requires": {

        "@types/node": "\*"

      }

    },

    "@types/cookie-parser": {

      "version": "1.4.1",

      "resolved": "https://registry.npmjs.org/@types/cookie-parser/-/cookie-parser-1.4.1.tgz",

      "integrity": "sha512-iJY6B3ZGufLiDf2OCAgiAAQuj1sMKC/wz/7XCEjZ+/MDuultfFJuSwrBKcLSmJ5iYApLzCCYBYJZs0Ws8GPmwA==",

      "dev": true,

      "requires": {

        "@types/express": "\*"

      }

    },

    "@types/express": {

      "version": "4.16.1",

      "resolved": "https://registry.npmjs.org/@types/express/-/express-4.16.1.tgz",

      "integrity": "sha512-V0clmJow23WeyblmACoxbHBu2JKlE5TiIme6Lem14FnPW9gsttyHtk6wq7njcdIWH1njAaFgR8gW09lgY98gQg==",

      "dev": true,

      "requires": {

        "@types/body-parser": "\*",

        "@types/express-serve-static-core": "\*",

        "@types/serve-static": "\*"

      }

    },

    "@types/express-serve-static-core": {

      "version": "4.16.1",

      "resolved": "https://registry.npmjs.org/@types/express-serve-static-core/-/express-serve-static-core-4.16.1.tgz",

      "integrity": "sha512-QgbIMRU1EVRry5cIu1ORCQP4flSYqLM1lS5LYyGWfKnFT3E58f0gKto7BR13clBFVrVZ0G0rbLZ1hUpSkgQQOA==",

      "dev": true,

      "requires": {

        "@types/node": "\*",

        "@types/range-parser": "\*"

      }

    },

    "@types/mime": {

      "version": "2.0.0",

      "resolved": "https://registry.npmjs.org/@types/mime/-/mime-2.0.0.tgz",

      "integrity": "sha512-A2TAGbTFdBw9azHbpVd+/FkdW2T6msN1uct1O9bH3vTerEHKZhTXJUQXy+hNq1B0RagfU8U+KBdqiZpxjhOUQA==",

      "dev": true

    },

    "@types/mongodb": {

      "version": "3.1.19",

      "resolved": "https://registry.npmjs.org/@types/mongodb/-/mongodb-3.1.19.tgz",

      "integrity": "sha512-H54hQEovAhyLrIZOhPNfGyCCDoTqKsjb8GQBy8nptJqfxrYCp5WVcPJf9v0kfTPR72xOhaz9+WcYxOXWwEg1Vg==",

      "dev": true,

      "requires": {

        "@types/bson": "\*",

        "@types/node": "\*"

      }

    },

    "@types/mongoose": {

      "version": "5.3.12",

      "resolved": "https://registry.npmjs.org/@types/mongoose/-/mongoose-5.3.12.tgz",

      "integrity": "sha512-dmZv3H9lXWhLY8XrxJNu+pVUecquReR3AtPxVsnPTcTH/T/YTgxE0zeTavNcqaBUD5XXKtlTy+2VhZxDkn/0Jw==",

      "dev": true,

      "requires": {

        "@types/mongodb": "\*",

        "@types/node": "\*"

      }

    },

    "@types/morgan": {

      "version": "1.7.35",

      "resolved": "https://registry.npmjs.org/@types/morgan/-/morgan-1.7.35.tgz",

      "integrity": "sha512-E9qFi0seOkdlQnCTPv54brNfGWeFdRaEhI5tSue4pdx/V+xfxvMETsxXhOEcj1cYL+0n/jcTEmj/jD2gjzCwMg==",

      "dev": true,

      "requires": {

        "@types/express": "\*"

      }

    },

    "@types/node": {

      "version": "10.12.18",

      "resolved": "https://registry.npmjs.org/@types/node/-/node-10.12.18.tgz",

      "integrity": "sha512-fh+pAqt4xRzPfqA6eh3Z2y6fyZavRIumvjhaCL753+TVkGKGhpPeyrJG2JftD0T9q4GF00KjefsQ+PQNDdWQaQ==",

      "dev": true

    },

    "@types/range-parser": {

      "version": "1.2.3",

      "resolved": "https://registry.npmjs.org/@types/range-parser/-/range-parser-1.2.3.tgz",

      "integrity": "sha512-ewFXqrQHlFsgc09MK5jP5iR7vumV/BYayNC6PgJO2LPe8vrnNFyjQjSppfEngITi0qvfKtzFvgKymGheFM9UOA==",

      "dev": true

    },

    "@types/serve-static": {

      "version": "1.13.2",

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

      "integrity": "sha512-/BZ4QRLpH/bNYgZgwhKEh+5AsboDBcUdlBYgzoLX0fpj3Y2gp6EApyOlM3bK53wQS/OE1SrdSYBAbux2D1528Q==",

      "dev": true,

      "requires": {

        "@types/express-serve-static-core": "\*",

        "@types/mime": "\*"

      }

    },

    "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="

    },

    "async": {

      "version": "2.6.1",

      "resolved": "https://registry.npmjs.org/async/-/async-2.6.1.tgz",

      "integrity": "sha512-fNEiL2+AZt6AlAw/29Cr0UDe4sRAHCpEHh54WMz+Bb7QfNcFw4h3loofyJpLeQs4Yx7yuqu/2dLgM5hKOs6HlQ==",

      "requires": {

        "lodash": "^4.17.10"

      }

    },

    "basic-auth": {

      "version": "2.0.1",

      "resolved": "https://registry.npmjs.org/basic-auth/-/basic-auth-2.0.1.tgz",

      "integrity": "sha512-NF+epuEdnUYVlGuhaxbbq+dvJttwLnGY+YixlXlME5KpQ5W3CnXA5cVTneY3SPbPDRkcjMbifrwmFYcClgOZeg==",

      "requires": {

        "safe-buffer": "5.1.2"

      }

    },

    "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"

      }

    },

    "bootstrap": {

      "version": "4.2.1",

      "resolved": "https://registry.npmjs.org/bootstrap/-/bootstrap-4.2.1.tgz",

      "integrity": "sha512-tt/7vIv3Gm2mnd/WeDx36nfGGHleil0Wg8IeB7eMrVkY0fZ5iTaBisSh8oNANc2IBsCc6vCgCNTIM/IEN0+50Q=="

    },

    "bson": {

      "version": "1.1.0",

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

      "integrity": "sha512-9Aeai9TacfNtWXOYarkFJRW2CWo+dRon+fuLZYJmvLV3+MiUp0bEI6IAZfXEIg7/Pl/7IWlLaDnhzTsD81etQA=="

    },

    "bytes": {

      "version": "3.0.0",

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

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

    },

    "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-parser": {

      "version": "1.4.3",

      "resolved": "https://registry.npmjs.org/cookie-parser/-/cookie-parser-1.4.3.tgz",

      "integrity": "sha1-D+MfoZ0AC5X0qt8fU/3CuKIDuqU=",

      "requires": {

        "cookie": "0.3.1",

        "cookie-signature": "1.0.6"

      }

    },

    "cookie-signature": {

      "version": "1.0.6",

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

      "integrity": "sha1-4wOogrNCzD7oylE6eZmXNNqzriw="

    },

    "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"

      }

    },

    "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="

    },

    "ejs": {

      "version": "2.5.9",

      "resolved": "https://registry.npmjs.org/ejs/-/ejs-2.5.9.tgz",

      "integrity": "sha512-GJCAeDBKfREgkBtgrYSf9hQy9kTb3helv0zGdzqhM7iAkW8FA/ZF97VQDbwFiwIT8MQLLOe5VlPZOEvZAqtUAQ=="

    },

    "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"

      }

    },

    "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"

      }

    },

    "font-awesome": {

      "version": "4.7.0",

      "resolved": "https://registry.npmjs.org/font-awesome/-/font-awesome-4.7.0.tgz",

      "integrity": "sha1-j6jPBBGhoxr9B7BtKQK7n8gVoTM="

    },

    "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="

    },

    "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"

      }

    },

    "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="

    },

    "jquery": {

      "version": "3.3.1",

      "resolved": "https://registry.npmjs.org/jquery/-/jquery-3.3.1.tgz",

      "integrity": "sha512-Ubldcmxp5np52/ENotGxlLe6aGMvmF4R8S6tZjsP6Knsaxd/xp3Zrh50cG93lR6nPXyUFwzN3ZSOQI0wRJNdGg=="

    },

    "kareem": {

      "version": "2.3.0",

      "resolved": "https://registry.npmjs.org/kareem/-/kareem-2.3.0.tgz",

      "integrity": "sha512-6hHxsp9e6zQU8nXsP+02HGWXwTkOEw6IROhF2ZA28cYbUk4eJ6QbtZvdqZOdD9YPKghG3apk5eOCvs+tLl3lRg=="

    },

    "lodash": {

      "version": "4.17.11",

      "resolved": "https://registry.npmjs.org/lodash/-/lodash-4.17.11.tgz",

      "integrity": "sha512-cQKh8igo5QUhZ7lg38DYWAxMvjSAKG0A8wGSVimP07SIUEK2UO+arSRKbRZWtelMtN5V0Hkwh5ryOto/SshYIg=="

    },

    "media-typer": {

      "version": "0.3.0",

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

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

    },

    "memory-pager": {

      "version": "1.5.0",

      "resolved": "https://registry.npmjs.org/memory-pager/-/memory-pager-1.5.0.tgz",

      "integrity": "sha512-ZS4Bp4r/Zoeq6+NLJpP+0Zzm0pR8whtGPf1XExKLJBAczGMnSi3It14OiNCStjQjM6NU1okjQGSxgEZN8eBYKg==",

      "optional": true

    },

    "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": "1.37.0",

      "resolved": "https://registry.npmjs.org/mime-db/-/mime-db-1.37.0.tgz",

      "integrity": "sha512-R3C4db6bgQhlIhPU48fUtdVmKnflq+hRdad7IyKhtFj06VPNVdk2RhiYL3UjQIlso8L+YxAtFkobT0VK+S/ybg=="

    },

    "mime-types": {

      "version": "2.1.21",

      "resolved": "https://registry.npmjs.org/mime-types/-/mime-types-2.1.21.tgz",

      "integrity": "sha512-3iL6DbwpyLzjR3xHSFNFeb9Nz/M8WDkX33t1GFQnFOllWk8pOrh/LSrB5OXlnlW5P9LH73X6loW/eogc+F5lJg==",

      "requires": {

        "mime-db": "~1.37.0"

      }

    },

    "mongodb": {

      "version": "3.1.10",

      "resolved": "https://registry.npmjs.org/mongodb/-/mongodb-3.1.10.tgz",

      "integrity": "sha512-Uml42GeFxhTGQVml1XQ4cD0o/rp7J2ROy0fdYUcVitoE7vFqEhKH4TYVqRDpQr/bXtCJVxJdNQC1ntRxNREkPQ==",

      "requires": {

        "mongodb-core": "3.1.9",

        "safe-buffer": "^5.1.2"

      }

    },

    "mongodb-core": {

      "version": "3.1.9",

      "resolved": "https://registry.npmjs.org/mongodb-core/-/mongodb-core-3.1.9.tgz",

      "integrity": "sha512-MJpciDABXMchrZphh3vMcqu8hkNf/Mi+Gk6btOimVg1XMxLXh87j6FAvRm+KmwD1A9fpu3qRQYcbQe4egj23og==",

      "requires": {

        "bson": "^1.1.0",

        "require\_optional": "^1.0.1",

        "safe-buffer": "^5.1.2",

        "saslprep": "^1.0.0"

      }

    },

    "mongoose": {

      "version": "5.4.9",

      "resolved": "https://registry.npmjs.org/mongoose/-/mongoose-5.4.9.tgz",

      "integrity": "sha512-4dSQpDUe/9b7A7dRrsyJfWmoGEpeMaZ/WZ/KIJFqTHbJm3NUWaWF++hhirAgjtoHNq2ZILIII0LHEhgzP2NuRw==",

      "requires": {

        "async": "2.6.1",

        "bson": "~1.1.0",

        "kareem": "2.3.0",

        "mongodb": "3.1.10",

        "mongodb-core": "3.1.9",

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

        "mpath": "0.5.1",

        "mquery": "3.2.0",

        "ms": "2.0.0",

        "regexp-clone": "0.0.1",

        "safe-buffer": "5.1.2",

        "sliced": "1.0.1"

      }

    },

    "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=="

    },

    "morgan": {

      "version": "1.9.1",

      "resolved": "https://registry.npmjs.org/morgan/-/morgan-1.9.1.tgz",

      "integrity": "sha512-HQStPIV4y3afTiCYVxirakhlCfGkI161c76kKFca7Fk1JusM//Qeo1ej2XaMniiNeaZklMVrh3vTtIzpzwbpmA==",

      "requires": {

        "basic-auth": "~2.0.0",

        "debug": "2.6.9",

        "depd": "~1.1.2",

        "on-finished": "~2.3.0",

        "on-headers": "~1.0.1"

      }

    },

    "mpath": {

      "version": "0.5.1",

      "resolved": "https://registry.npmjs.org/mpath/-/mpath-0.5.1.tgz",

      "integrity": "sha512-H8OVQ+QEz82sch4wbODFOz+3YQ61FYz/z3eJ5pIdbMEaUzDqA268Wd+Vt4Paw9TJfvDgVKaayC0gBzMIw2jhsg=="

    },

    "mquery": {

      "version": "3.2.0",

      "resolved": "https://registry.npmjs.org/mquery/-/mquery-3.2.0.tgz",

      "integrity": "sha512-qPJcdK/yqcbQiKoemAt62Y0BAc0fTEKo1IThodBD+O5meQRJT/2HSe5QpBNwaa4CjskoGrYWsEyjkqgiE0qjhg==",

      "requires": {

        "bluebird": "3.5.1",

        "debug": "3.1.0",

        "regexp-clone": "0.0.1",

        "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="

    },

    "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": "1.0.1",

      "resolved": "https://registry.npmjs.org/on-headers/-/on-headers-1.0.1.tgz",

      "integrity": "sha1-ko9dD0cNSTQmUepnlLCFfBAGk/c="

    },

    "parseurl": {

      "version": "1.3.2",

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

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

    },

    "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="

    },

    "popper.js": {

      "version": "1.14.6",

      "resolved": "https://registry.npmjs.org/popper.js/-/popper.js-1.14.6.tgz",

      "integrity": "sha512-AGwHGQBKumlk/MDfrSOf0JHhJCImdDMcGNoqKmKkU+68GFazv3CQ6q9r7Ja1sKDZmYWTckY/uLyEznheTDycnA=="

    },

    "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=="

    },

    "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": "0.0.1",

      "resolved": "https://registry.npmjs.org/regexp-clone/-/regexp-clone-0.0.1.tgz",

      "integrity": "sha1-p8LgmJH9vzj7sQ03b7cwA+aKxYk="

    },

    "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=="

    },

    "saslprep": {

      "version": "1.0.2",

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

      "integrity": "sha512-4cDsYuAjXssUSjxHKRe4DTZC0agDwsCqcMqtJAQPzC74nJ7LfAJflAtC1Zed5hMzEQKj82d3tuzqdGNRsLJ4Gw==",

      "optional": true,

      "requires": {

        "sparse-bitfield": "^3.0.3"

      }

    },

    "semver": {

      "version": "5.6.0",

      "resolved": "https://registry.npmjs.org/semver/-/semver-5.6.0.tgz",

      "integrity": "sha512-RS9R6R35NYgQn++fkDWaOmqGoj4Ek9gGs+DPxNUZKuwE183xjJroKvyo1IzVFeXvUrvmALy6FWD5xrdJT25gMg=="

    },

    "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"

      }

    },

    "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=="

    },

    "sliced": {

      "version": "1.0.1",

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

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

    },

    "sparse-bitfield": {

      "version": "3.0.3",

      "resolved": "https://registry.npmjs.org/sparse-bitfield/-/sparse-bitfield-3.0.3.tgz",

      "integrity": "sha1-/0rm5oZWBWuks+eSqzM004JzyhE=",

      "optional": true,

      "requires": {

        "memory-pager": "^1.0.2"

      }

    },

    "statuses": {

      "version": "1.4.0",

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

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

    },

    "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"

      }

    },

    "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="

    },

    "vary": {

      "version": "1.1.2",

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

      "integrity": "sha1-IpnwLG3tMNSllhsLn3RSShj2NPw="

    }

  }

}

Package.json

{

  "name": "comp308-w2019-lesson4b",

  "version": "0.0.1",

  "private": true,

  "scripts": {

    "start": "node server.js"

  },

  "engines": {

    "node": "^10.15.0",

    "npm": "^6.0.0"

  },

  "dependencies": {

    "bootstrap": "^4.2.1",

    "cookie-parser": "~1.4.3",

    "debug": "~2.6.9",

    "ejs": "~2.5.7",

    "express": "~4.16.0",

    "font-awesome": "^4.7.0",

    "http-errors": "~1.6.2",

    "jquery": "^3.3.1",

    "mongoose": "^5.4.9",

    "morgan": "~1.9.0",

    "popper.js": "^1.14.6"

  },

  "description": "Mongo and Mongoose Demo",

  "main": "server.js",

  "author": "Tom Tsiliopoulos",

  "license": "ISC",

  "devDependencies": {

    "@types/body-parser": "^1.17.0",

    "@types/cookie-parser": "^1.4.1",

    "@types/express": "^4.16.1",

    "@types/mongoose": "^5.3.12",

    "@types/morgan": "^1.7.35",

    "@types/node": "^10.12.18"

  },

  "repository": {

    "type": "git",

    "url": "git+https://github.com/CentennialCollege/COMP308-W2019-Lesson4B.git"

  },

  "bugs": {

    "url": "https://github.com/CentennialCollege/COMP308-W2019-Lesson4B/issues"

  },

  "homepage": "https://github.com/CentennialCollege/COMP308-W2019-Lesson4B#readme"

}

Server.js

#!/usr/bin/env node

/\*\*

 \* Module dependencies.

 \*/

let app = require('./app');

let debug = require('debug')('comp308-w2019-lesson3b:server');

let http = require('http');

/\*\*

 \* Get port from environment and store in Express.

 \*/

let port = normalizePort(process.env.PORT || '3000');

app.set('port', port);

/\*\*

 \* Create HTTP server.

 \*/

let server = http.createServer(app);

/\*\*

 \* Listen on provided port, on all network interfaces.

 \*/

server.listen(port);

server.on('error', onError);

server.on('listening', onListening);

/\*\*

 \* Normalize a port into a number, string, or false.

 \*/

function normalizePort(val) {

  let port = parseInt(val, 10);

  if (isNaN(port)) {

    // named pipe

    return val;

  }

  if (port >= 0) {

    // port number

    return port;

  }

  return false;

}

/\*\*

 \* Event listener for HTTP server "error" event.

 \*/

function onError(error) {

  if (error.syscall !== 'listen') {

    throw error;

  }

  let bind = typeof port === 'string'

    ? 'Pipe ' + port

    : 'Port ' + port;

  // handle specific listen errors with friendly messages

  switch (error.code) {

    case 'EACCES':

      console.error(bind + ' requires elevated privileges');

      process.exit(1);

      break;

    case 'EADDRINUSE':

      console.error(bind + ' is already in use');

      process.exit(1);

      break;

    default:

      throw error;

  }

}

/\*\*

 \* Event listener for HTTP server "listening" event.

 \*/

function onListening() {

  let addr = server.address();

  let bind = typeof addr === 'string'

    ? 'pipe ' + addr

    : 'port ' + addr.port;

  debug('Listening on ' + bind);

}