**Server.js**

require('./config/mongoose')

const express = require('express')

const app = express()

const router = require('./config/router')

app.use(express.static('public'))

app.set('view engine','ejs')

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

app.use(router)

app.listen(8000)

**./config/Mongoose.js**

const mongoose = require("mongoose");

const localDB = 'mongodb://localhost/DemoChallenge';

mongoose.set("useFindAndModify",false);

mongoose.connect(localDB,{useNewUrlParser:true,useUnifiedTopology:true})

.then(res=>console.log("connected to DB"))

.catch(err=>console.log("error with DB"))

**./config/router.js**

const express = require('express');

const router = express.Router();

const controller = require('../controller/controller')

router.get('/',controller.getHomepage)

router.all('/new/article',controller.addArticle)

router.get('/article/:id',controller.showArticle)

router.get('/delete/article/:id',controller.deleteArticle)

router.all('/edit/article:id',controller.editArticle)

module.exports = router

**./controller/controller.js**

const {Article} = require("../models/Article")

const getHomepage=(req,res)=>{

    Article.find()

    .then(results => res.render('index',{results}))

    .catch(err => console.log(err))

}

const addArticle = (req,res) => {

    if(req.method === "GET"){

        res.render('addArticle', {error:null})

    }

    if(req.method === "POST"){

        const article = new Article(req.body);

        article.save()

        .then(results=>res.redirect("/"))

        .catch(err => res.render('addArticle', { error: err.errors }))

    }

}

const editArticle=(req,res)=>{

    if (req.method === 'GET'){

        Article.findById({\_id:req.params.id})

        .then(result => res.render('editArticle',{result}))

        .catch(err => console.log(err))

    }

    if(req.method === "POST"){

        Article.findByIdAndUpdate({\_id:req.params.id})

        .then(result=>{

            result.title = req.body.title

            result.article = req.body.article

            result.save()

            .then(() =>res.redirect('/'))

            .catch(err=> console.log(err))

        })

        .catch(err => console.log(err))

    }

};

const showArticle=(req,res)=>{

    Article.findById({\_id:req.params.id})

    .then(result => res.render('showArticle',{result}))

    .catch(err => console.log(err))

}

const deleteArticle=(req,res)=>{

    Article.findByIdAndDelete({\_id:req.params.id})

    .then(results=>res.redirect("/"))

    .catch(err => console.log(err))

}

module.exports = {

    getHomepage,

    addArticle,

    editArticle,

    showArticle,

    deleteArticle

}

**./models/Article.js**

const mongoose = require('mongoose')

const Schema =  mongoose.Schema

const articleSchema = new Schema({

    title : {

        type : String,

        required: true,

        minLength: [25,"title should be longer than 25"]

    },

    article:{

        type : String,

        required: true,

        minLength: [100,"article should be longer than 100"]

    }

},{timestamps:true})

const Article = mongoose.model('Article',articleSchema)

module.exports = {

    Article

}

**./public/style.css**

**./view/Layout/header.ejs**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

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

    <title>Document</title>

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

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-+0n0xVW2eSR5OomGNYDnhzAbDsOXxcvSN1TPprVMTNDbiYZCxYbOOl7+AMvyTG2x" crossorigin="anonymous">

</head>

<body>

    <%- include("./nav") %>

**./view/Layout/footer.ejs**

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.bundle.min.js" integrity="sha384-gtEjrD/SeCtmISkJkNUaaKMoLD0//ElJ19smozuHV6z3Iehds+3Ulb9Bn9Plx0x4" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js" integrity="sha384-IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.min.js" integrity="sha384-Atwg2Pkwv9vp0ygtn1JAojH0nYbwNJLPhwyoVbhoPwBhjQPR5VtM2+xf0Uwh9KtT" crossorigin="anonymous"></script>

</body>

</html>

**./view/Layout/nav.ejs**

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

    <div class="container-fluid">

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

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

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

      </button>

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

        <ul class="navbar-nav">

          <li class="nav-item">

            <a class="nav-link active" aria-current="page" href="/">Home</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" href="/new/article">add an article</a>

          </li>

        </ul>

      </div>

    </div>

  </nav>

**./view/ index.ejs**

<%- include("./components/header") %>

        <% results.forEach(result => { %>

            <div class="card" style="width: 18rem;">

                <div class="card-body">

                    <a href="/article/<%= result.id %>">

                        <h5 class="card-title"><%= result.title %> </h5>

                    </a>

                    <p class="card-subtitle mb-2 text-muted"><%= result.article %></p>

                    <a href="/delete/article/<%= result.id %> " class="card-link">Delete</a>

                </div>

              </div>

       <% }) %>

<%- include("./components/footer") %>

**./view/addArticle.ejs**

<%- include("./components/header") %>

<a class="nav-link" href="/">Go back</a>

<form method="POST" action="/new/article">

    <div class="mb-3">

      <label class="form-label">Title</label>

      <input name="title" type="text" class="form-control">

      <% if(error&& error.title ){ %>

      <h4 style="color: red;"><%= error.title.message %> </h4>

    <% } %>

    </div>

    <div class="mb-3">

      <label class="form-label">Article</label>

      <textarea name="article" rows="4" class="form-control"></textarea>

      <% if(error && error.article){ %>

      <h4 style="color: red;"><%= error.article.message %> </h4>

      <% } %>

    </div>

    <button type="submit" class="btn btn-primary">Submit</button>

</form>

<%- include("./components/footer") %>

**./view/showArticle.ejs**

<%- include("./components/header") %>

<a href="/" class="card-link">Go back</a>

    <div class="card" style="width: 18rem;">

        <div class="card-body">

            <h5 class="card-title"><%= result.title %> </h5>

            <p class="card-subtitle mb-2 text-muted"><%= result.article %></p>

            <a href="/edit/article<%= result.id %> " class="card-link">Edit</a>

            <a href="/delete/article/<%= result.id %> " class="card-link">Delete</a>

        </div>

    </div>

<%- include("./components/footer") %>

**./view/editArticle.ejs**

<%- include("./components/header") %>

<a class="nav-link" href="/">Go back</a>

<form method="POST" action="/edit/article<%= result.id %> ">

    <div class="mb-3">

      <label class="form-label">Title</label>

      <input name="title" value="<%= result.title %> " type="text" class="form-control">

    </div>

    <div class="mb-3">

      <label class="form-label">Article</label>

      <input name="article" value="<%= result.article %> " rows="4" class="form-control">

    </div>

    <button type="submit" class="btn btn-primary">Submit</button>

</form>

<%- include("./components/footer") %>

**package.json**

{

  "name": "demo-challenge",

  "version": "1.0.0",

  "description": "",

  "main": "server.js",

  "scripts": {

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

  },

  "author": "",

  "license": "ISC",

  "dependencies": {

    "ejs": "^3.1.6",

    "express": "^4.17.1",

    "mongoose": "^5.12.12"

  }

}