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index.js,

// Import express and ejs

var express = require ('express')
var ejs = require('ejs')
var bodyParser= require ('body-parser')

// Create the express application object

const app = express()
const port = 8000

// Use the body parser extension
app.use(bodyParser.urlencoded({ extended: true }))

// Set the directory where Express will pick up HTML files
// __dirname will get the current directory

app.set('views', __dirname + '/views');

// Tell Express that we want to use EJS as the templating engine

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

// Tells Express how we should process html files
// We want to use EJS's rendering engine

app.engine('html', ejs.renderFile);

var shopData = {shopName: "The Back Alley Tavern",
                 productCategories:["Beer", "Wine", "Soft Drinks",
                 "Hot Drinks"],
//                 shops:["Southwark Tavern, london bridge 233",
// "Burlinfon Tavern, Edgeway Rd"]} This is long strings, below are
js objects
                 shops:[ {name:"Southwark Taven",address:"London
bridge 233"},{name:"Burlington Arcade",address:"Edgeway Rd"} ]}
// The whole variable above is one big object, you can apparently
nest
them as much as you want.

// Handle our routes

app.get('/',function(req,res){
    res.render('index.html', shopData)
});
app.get('/about',function(req,res){
    res.render('about.html', shopData);
});
app.get('/search',function(req,res){
    res.render("search.html", shopData);

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});

app.get('/search-result', function (req, res) {
  // TODO:search in the database
  res.send("You searched for: " + req.query.keyword)
});

app.get('/register', function (req,res) {
  res.render('register.html', shopData);
});

app.post('/registered', function (req,res) {
  // saving data in database
  //res.send(req.body)
  res.send(' Hello ' + req.body.first + ' ' + req.body.last + '
you are now registered! We will send an email to ' + req.body.email
+'.');
});

// Start the web app listening

app.listen(port, () => console.log(`Example app listening on port
${port}!, press ^C to terminate.`))

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about.html,

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<!doctype html>
<html>
  <head>
    <title><%=shopName%></title>
  </head>
  <body>
    <h1>About <%=shopName%></h1>
    <p>We sell all sorts of drinks.</p>

    <ul>
      <p>Our other locations are:</p>
      <% for (let i = 0; i < shops.length; I++){
%>
                                <li><strong><%=shops[I].name%><
strong> <%=shops[i].address%></li>
                                <% } %>
      </ul>

    </body>
</html>

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index.html,

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<!doctype html>
<html>
  <head>
    <title>Welcome to <%=shopName%></title>
  </head>
  <body>
    <h1><%=shopName%> Shop</h1>
    <h2>Here are some things that we sell:</h2>
    <ul>
      <% for(let i = 0; i <
productCategories.length; i++) { %>
        <li><%= productCategories[i] %><
li>
      <% } %>
    </ul>
  </body>
</html>
```

register.html,

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<!doctype html>
<html>
  <head>
    <title>Register for <%=shopName%></title>
  </head>
  <body>
    <h1>Register for <%=shopName%> Shop</h1>
    <p>Please fill in the form below to register,</p>

    <form method="POST" action="/registered">
      <label for="fname">First name:</label>
      <input id="first" type="text" name="first"
value="first name" /><br><br>
      <label for="lname">Last name:</label>
      <input id="last" type="text" name="last"
value="last name" /><br><br>
      <label for="mail">Email:</label>
      <input id="email" type="text" name="email"
value="email" /><br><br>
      <input type="submit" value="OK" />
    </form>

  </body>
</html>
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Search.html,

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<!doctype html>
<html>
  <head>
    <title>Looking in <%=shopName%></title>
  </head>
  <body>
    <h1><%=shopName%> Shop</h1>

    <form action="/search-result" method="GET">
      <input id="search-box" type="text"
name="keyword" value="Default">
      <input type="submit" value="OK" >
    </form>

  </body>
</html>
```