

```

main.js,

module.exports = function(app, shopData) {

    // Handle our routes
    app.get('/',function(req,res){
        res.render('index.ejs', shopData)
    });
    app.get('/about',function(req,res){
        res.render('about.ejs', shopData);
    });
    app.get('/search',function(req,res){
        res.render("search.ejs", shopData);
    });
    app.get('/search-result', function (req, res) {
        //searching in the database
        res.send("You searched for: " + req.query.keyword);
    });
    app.get('/register', function (req,res) {
        res.render('register.ejs', shopData);

    });

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

    });

    app.get('/list', function(req, res) {
        let sqlquery = "SELECT * FROM books"; // query database to
get all the books
        // execute sql query
        db.query(sqlquery, (err, result) => {
            if (err) {
                res.redirect('./');
            }
            let newData = Object.assign({}, shopData,
{availableBooks:result});
            console.log(newData);
            res.render("list.ejs", newData)
        });
    });
};

```

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

app.post('/bookadded', function (req,res) {
    // saving data in database
    let sqlquery = "INSERT INTO books (name, price) VALUES
(?,?)";
    // execute sql query
    let newrecord = [req.body.name, req.body.price];
    db.query(sqlquery, newrecord, (err, result) => {
        if (err) {
            return console.error(err.message);
        }
        else
            res.send(' This book is added to database, name:
'+ req.body.name + ' price '+ req.body.price);
    });
});

app.get('/bargainbooks', function(req, res) {
    let sqlquery = "SELECT * FROM books WHERE price<20"; //
query database to get all books cheaper than 20
    // execute sql query
    db.query(sqlquery, (err, result) => {
        if (err) {
            res.redirect('./');
        }
        res.send(result)
    });
});
}

```

about.ejs,

```

<!doctype html>
<html>
  <head>
    <title>About <%=shopName%></title>
  </head>
  <body>
    <h1>About <%=shopName%></h1>
    <p>We sell all sorts of books and nothing else!</p>
  </body>
</html>

```

addbook.ejs,

```
<!doctype html>
<html>
  <head>
    <title><%=shopName%>: Add a book </title>
  </head>
  <body>
    <h1><%=shopName%>: Add a book</h1>
    <form method="POST" action="/bookadded">
      <p>Book name: <input id="name" type="text" name="name"
value="name" /></p>
      <p>Price: <input id="price" type="text" name="price"
value="price" /></p>
      <input type="submit" value="Add Book" />
    </form>
  </body>
</html>
```

index.ejs,

```
<!doctype html>
<html>
  <head>
    <title>Welcome to <%=shopName%></title>
  </head>
  <body>
    <h1>Welcome to <%=shopName%></h1>
    <p><a href="about">About <%=shopName%></a></p>
    <p><a href="search">Search for books</a></p>
    <p><a href="register">Register with us</a></p>
    <p><a href="list">List of books</a></p>
    <p><a href="addbook">Add a new book</a></p>
    <p><a href="bargainbooks">Bargain books</a></p>
  </body>
</html>
```

list.ejs,

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

register.ejs,

```
<!doctype html>
<html>
  <head>
    <title>Register for <%=shopName%></title>
  </head>
  <body>
    <h1>Register for <%=shopName%></h1>
    <form method="POST" action="/registered">
      <p>First name: <input id="first" type="text" name="first"
value="first name" /></p>
      <p>Last name: <input id="last" type="text" name="last"
value="last name" /></p>
      <p>Email: <input id="email" type="email" name="email"
value="email" /></p>
      <input type="submit" value="Register" />
    </form>
  </body>
</html>
```

search.ejs,

```
<!doctype html>
<html>
  <head>
    <title>Search <%=shopName%></title>
  </head>
  <body>
    <h1>Search <%=shopName%></h1>
    <form action="/search-result" method="GET">
      <p>What book do you want?</p>
      <input id="search-box" type="text" name="keyword"
value="Default">
      <input type="submit" value="Search" >
    </form>
  </body>
</html>
```

index.js,

```
// Import the modules we need
var express = require ('express')
var ejs = require('ejs')
var bodyParser= require ('body-parser')

const mysql = require('mysql');

// Create the express application object
const app = express()
const port = 8000
app.use(bodyParser.urlencoded({ extended: true }))

// Define the database connection
const db = mysql.createConnection ({

  host: 'localhost',
  user: 'root',
  password: 'ILoveBread',
  database: 'myBookshop'
});

// Connect to the database
db.connect((err) => {
  if (err) {
    throw err;
  }
  console.log('Connected to database');
});
global.db = db;
```

```
// 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);

// Define our data
var shopData = {shopName: "Bertie's Books"}

// Requires the main.js file inside the routes folder passing in
the Ex
press app and data as arguments. All the routes will go in this
file
require("./routes/main")(app, shopData);

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