

Sneaker Shop

NWEN304 - CRUD Group Project

Pravin Modotholi, Iqbal Wan, Praveen Bandarage





Pravin Modtholi

- Set up initial folder structure, test files and routes
- Login routes (back-end) passport local and google strategy
- Set up sessions and authorization functionality
- Cart routes (back-end)
- Product route improvements with images (front and back end)
- Login in testing
- Ejs Partial - nav and head
- Database setup for testing
- Index view final version



Iqbal Wan

- **Create, Read, Update, Delete routes** for products (backend)
- **View products page** (initial version) (frontend)
- **Add, Edit/Delete product page and js** (frontend)
- **Login page** (frontend)
- **Privacy policy page & route** (frontend and backend)
- **Footer.ejs - page footer partial** (frontend)
- **Product testing**



Praveen Bandarage

- Register functionality (front and backend)
- Cart functionality (front end)
- Model schemas (backend)
- Google OAuth passport strategy (backend)
- Register input checking (front end)
- Validation middleware functions (backend)
- Password Validation (frontend)
- Cart testing (frontend)
- Performance and load testing

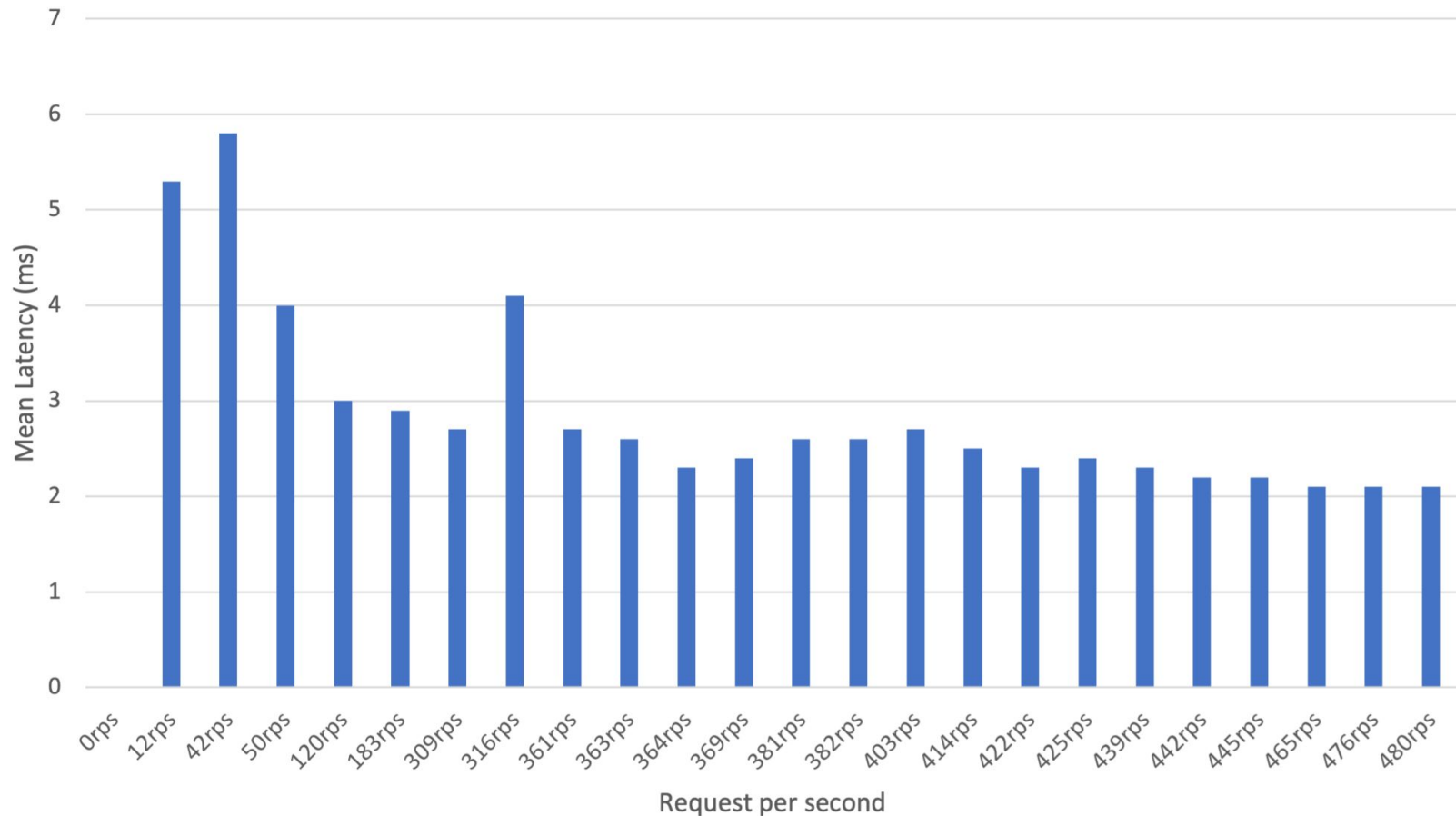


Performance Server Side

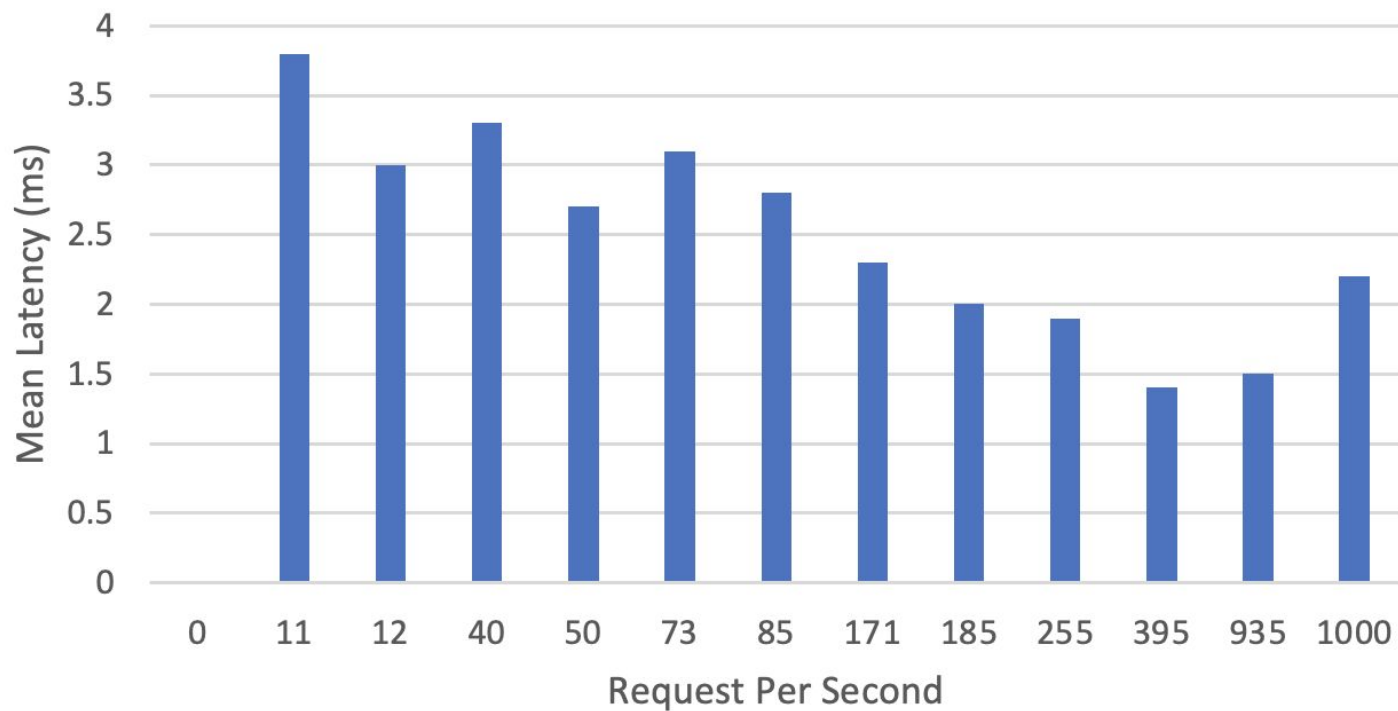
```
[nodemon] restarting due to changes...  
[nodemon] starting `node server.js`  
Database connection successful  
Server Listening at Port: 3000  
GET /products/edit [STARTED]  
GET /products/edit [FINISHED] 158.326 ms  
GET /products/edit [CLOSED] 176.074 ms
```

This is an example of querying our database which as you can see is not a performance bottleneck as it is quite quick!

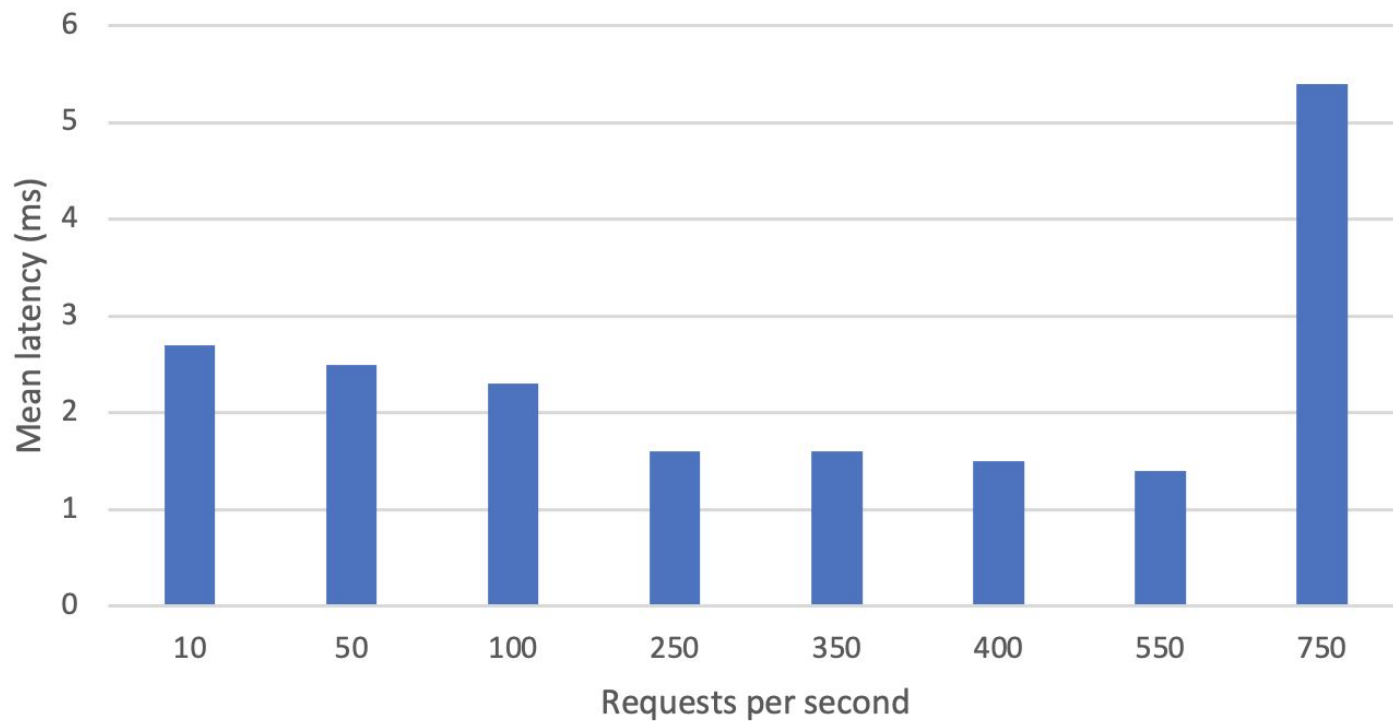
Loadtest <http://localhost:3000/auth/login>



Load Test for GET http://localhost:3000/cart



Load Test for GET <http://localhost:3000/products/edit>



Example of Load Testing Script

```
^C
→ CRUD-group-project git:(testing-branch) x loadtest --rps 350 -m GET http://localhost:3000/products/edit -C connect.sid=FmSWAbGN6RQr1amH0
F5cIIcKzx5BqnTq
[Sat Oct 16 2021 21:49:48 GMT+1300 (New Zealand Daylight Time)] INFO Requests: 0, requests per second: 0, mean latency: 0 ms
[Sat Oct 16 2021 21:49:53 GMT+1300 (New Zealand Daylight Time)] INFO Requests: 1578, requests per second: 316, mean latency: 2 ms
[Sat Oct 16 2021 21:49:58 GMT+1300 (New Zealand Daylight Time)] INFO Requests: 3329, requests per second: 350, mean latency: 1.7 ms
[Sat Oct 16 2021 21:50:03 GMT+1300 (New Zealand Daylight Time)] INFO Requests: 5079, requests per second: 350, mean latency: 1.6 ms
[Sat Oct 16 2021 21:50:08 GMT+1300 (New Zealand Daylight Time)] INFO Requests: 6829, requests per second: 350, mean latency: 1.7 ms
[Sat Oct 16 2021 21:50:13 GMT+1300 (New Zealand Daylight Time)] INFO Requests: 8579, requests per second: 350, mean latency: 1.8 ms
[Sat Oct 16 2021 21:50:18 GMT+1300 (New Zealand Daylight Time)] INFO Requests: 10328, requests per second: 350, mean latency: 1.4 ms
[Sat Oct 16 2021 21:50:23 GMT+1300 (New Zealand Daylight Time)] INFO Requests: 12079, requests per second: 350, mean latency: 1.3 ms
[Sat Oct 16 2021 21:50:28 GMT+1300 (New Zealand Daylight Time)] INFO Requests: 13802, requests per second: 345, mean latency: 2.1 ms
[Sat Oct 16 2021 21:50:33 GMT+1300 (New Zealand Daylight Time)] INFO Requests: 15578, requests per second: 355, mean latency: 2.9 ms
[Sat Oct 16 2021 21:50:38 GMT+1300 (New Zealand Daylight Time)] INFO Requests: 17329, requests per second: 350, mean latency: 3 ms
[Sat Oct 16 2021 21:50:43 GMT+1300 (New Zealand Daylight Time)] INFO Requests: 19078, requests per second: 350, mean latency: 3.1 ms
```



Individual GET Request to <http://localhost:3000/>

```
Database connection successful
Server Listening at Port: 3000
[nodemon] restarting due to changes...
[nodemon] starting `node server.js`
Database connection successful
Server Listening at Port: 3000
GET / [STARTED]
GET / [FINISHED] 127.671 ms
GET / [CLOSED] 147.567 ms
GET /images/2021-10-16T07:43:39.063Z599627_00.png.png [STARTED]
GET /images/2021-10-16T07:43:39.063Z599627_00.png.png [CLOSED] 141.748 ms
GET /images/2021-10-16T07:45:09.118Z567948_00.png.png [STARTED]
GET /images/2021-10-16T07:45:09.118Z567948_00.png.png [CLOSED] 3.496 ms
GET /images/2021-10-16T07:46:18.960Z702994_00.png.png [STARTED]
GET /images/2021-10-16T07:46:18.960Z702994_00.png.png [CLOSED] 6.408 ms
GET /images/2021-10-16T07:47:18.190Z641289_00.png.png [STARTED]
GET /images/2021-10-16T07:51:38.384Z105568_00.png.png [STARTED]
GET /images/2021-10-16T07:47:18.190Z641289_00.png.png [CLOSED] 21.511 ms
GET /images/2021-10-16T07:51:38.384Z105568_00.png.png [CLOSED] 17.762 ms
GET /images/2021-10-16T07:49:56.140Z488879_00.png.png [STARTED]
GET /images/2021-10-16T07:53:36.668Z551106_00.png.png [STARTED]
GET /images/2021-10-16T07:49:56.140Z488879_00.png.png [CLOSED] 4.643 ms
GET /images/2021-10-16T07:53:36.668Z551106_00.png.png [CLOSED] 5.104 ms
```



POST REQUEST FOR LOGIN

```
GET /auth/logout [CLOSED] 70.095 ms
POST /auth/login [STARTED]
POST /auth/login [FINISHED] 369.913 ms
POST /auth/login [CLOSED] 370.021 ms
GET / [STARTED]
GET / [FINISHED] 116.936 ms
GET / [CLOSED] 117.057 ms
GET /images/2021-10-16T07:43:39.063Z599627_00.png.png [STARTED]
GET /images/2021-10-16T07:43:39.063Z599627_00.png.png [CLOSED] 3.557 ms
GET /images/2021-10-16T07:46:18.960Z702994_00.png.png [STARTED]
GET /images/2021-10-16T07:47:18.190Z641289_00.png.png [STARTED]
GET /images/2021-10-16T07:49:56.140Z488879_00.png.png [STARTED]
GET /images/2021-10-16T07:46:18.960Z702994_00.png.png [CLOSED] 4.914 ms
GET /images/2021-10-16T07:47:18.190Z641289_00.png.png [CLOSED] 4.691 ms
GET /images/2021-10-16T07:49:56.140Z488879_00.png.png [CLOSED] 5.172 ms
GET /images/2021-10-16T07:45:09.118Z567948_00.png.png [STARTED]
GET /images/2021-10-16T07:51:38.384Z105568_00.png.png [STARTED]
GET /images/2021-10-16T07:45:09.118Z567948_00.png.png [CLOSED] 9.445 ms
GET /images/2021-10-16T07:53:36.668Z551106_00.png.png [STARTED]
GET /images/2021-10-16T07:51:38.384Z105568_00.png.png [CLOSED] 12.81 ms
GET /images/2021-10-16T07:53:36.668Z551106_00.png.png [CLOSED] 8.515 ms
```



GET request for PRODUCTS/EDIT (Queries the database)

```
[nodemon] restarting due to changes...  
[nodemon] starting `node server.js`  
Database connection successful  
Server Listening at Port: 3000  
GET /products/edit [STARTED]  
GET /products/edit [FINISHED] 158.326 ms  
GET /products/edit [CLOSED] 176.074 ms
```

