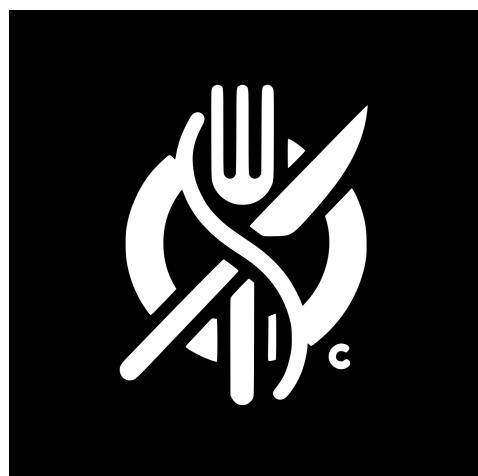


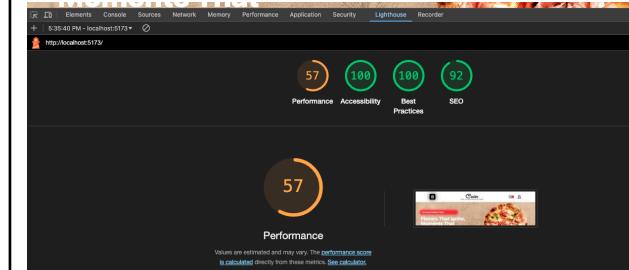
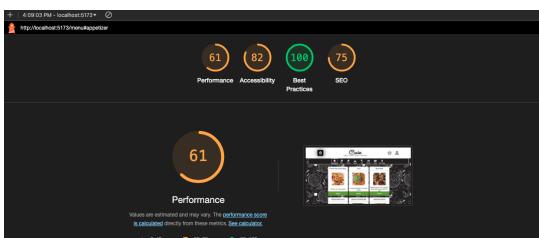
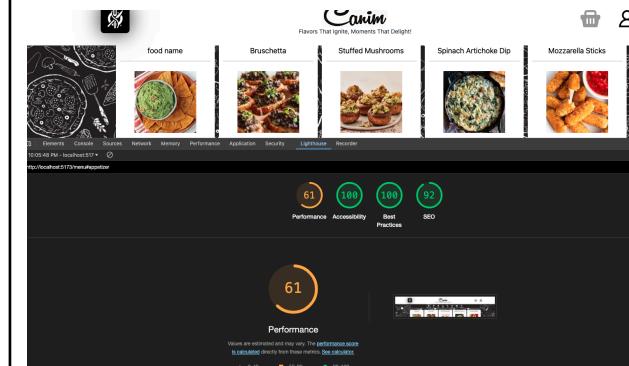
Web Performance

Dine Master Pro

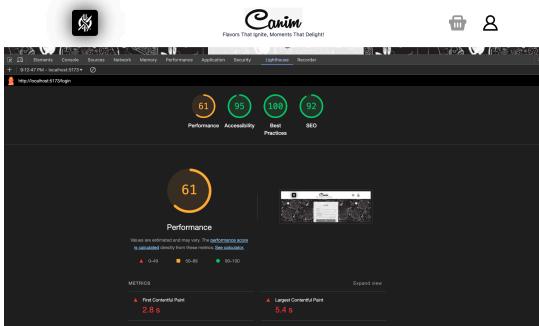
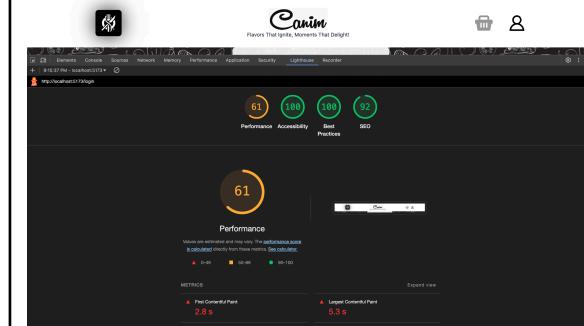
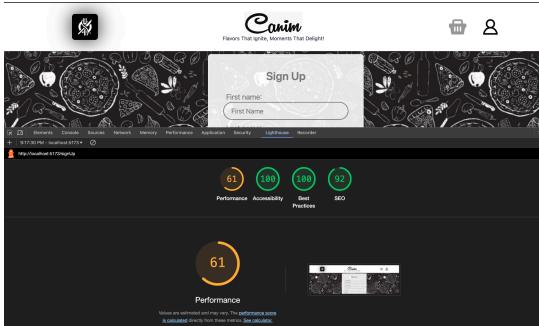
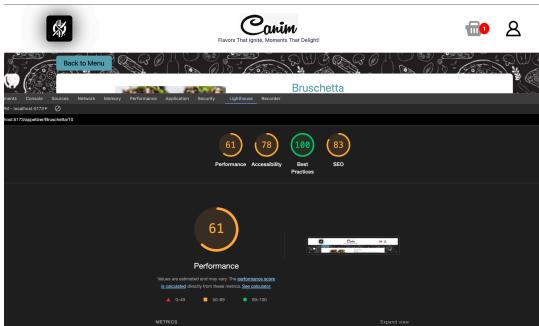
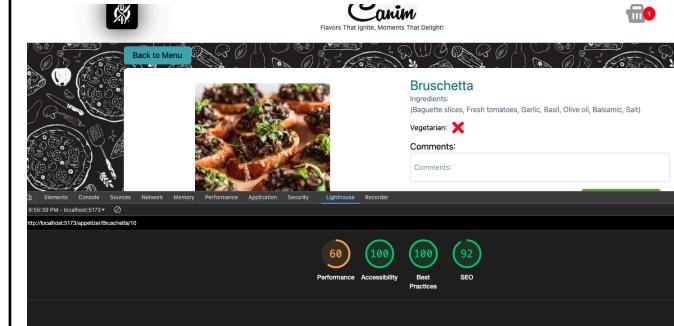


Canim

Dev results

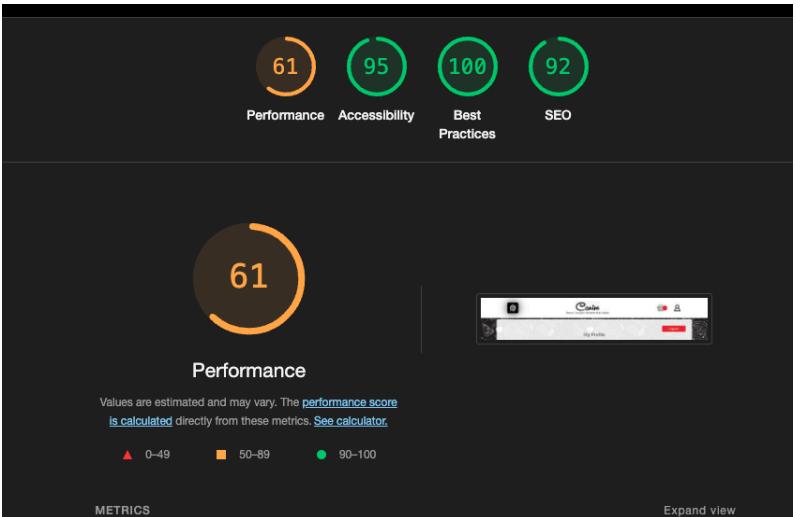
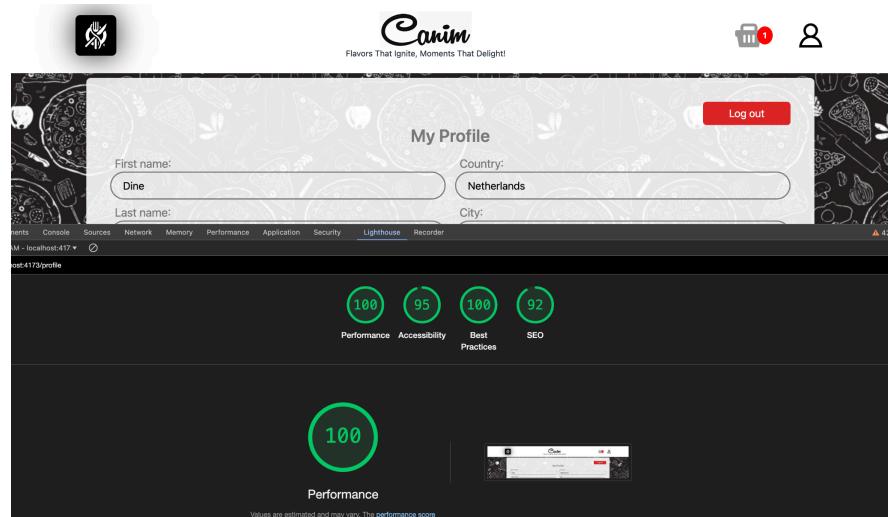
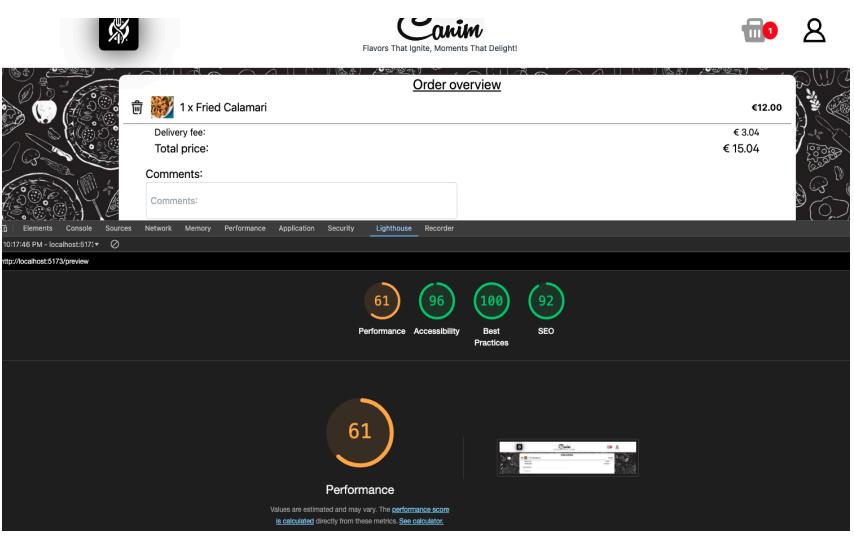
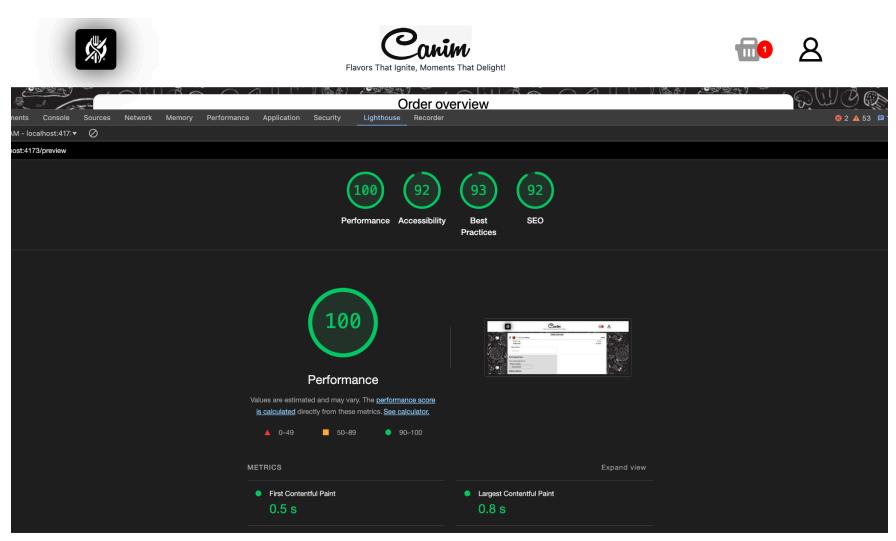
URL	Before	After	Changes
http://localhost:5173/			<ol style="list-style-type: none"> 1. Meta description was added 2. Video was removed from background and image was added instead 3. Images were converted to .webp format 4. Images were given width and height
http://localhost:5173/menu#appetizer			<ol style="list-style-type: none"> 1. Navigation bar links were removed because they were never used 2. Colors with better contrast were implemented 3. Images now have exact width and height

<p>http://localhost:5173/profile</p>			<ol style="list-style-type: none"> Log out button color was changed with better contrasting colors Update button was left with the same color
<p>http://localhost:5173/preview</p>			<ol style="list-style-type: none"> Some errors that were logged in the console, are removed Better contrasting colors are chosen Alt,width and height were added to each image Key properties were added to each child wherever there are mapped items Correct image sizes were used
<p>http://localhost:5173/kitchen/preparation#appetizer</p>			<ol style="list-style-type: none"> Navigation button between kitchen and front desk colors has been changed Correct image sizes were used

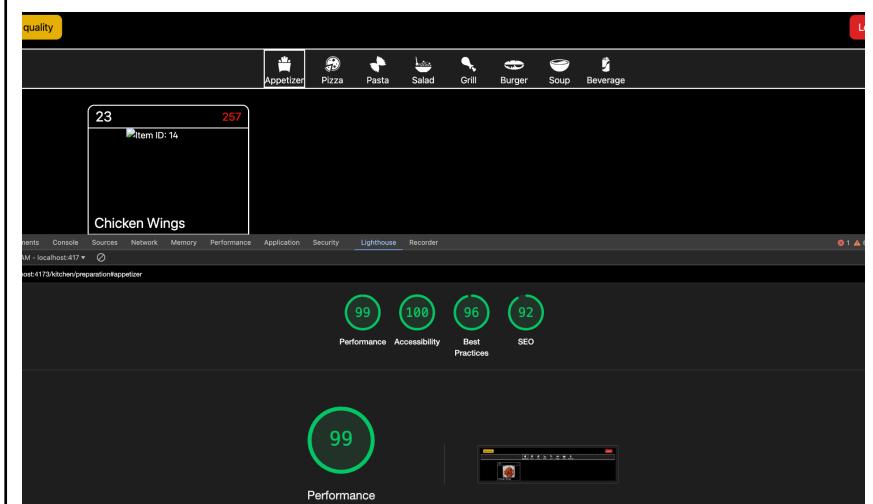
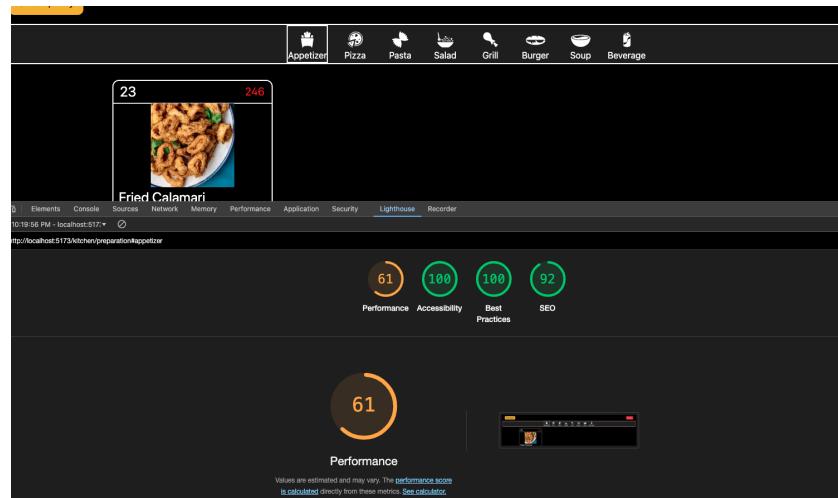
<p>http://localhost:5173/login</p>			<ol style="list-style-type: none"> More spacing has been added to the “Forgot Password” go to action button
<p>http://localhost:5173/signUp</p>			
<p>http://localhost:5173/appetizer/Bruschetta/10</p>			<ol style="list-style-type: none"> The color of the item name has been changed so that it now has better contrast ratio with the background. Heading hierarchy was added (h1,h2,h3 instead of h2,h1,h3). Alt,width and height were added to each image.

Preview mode

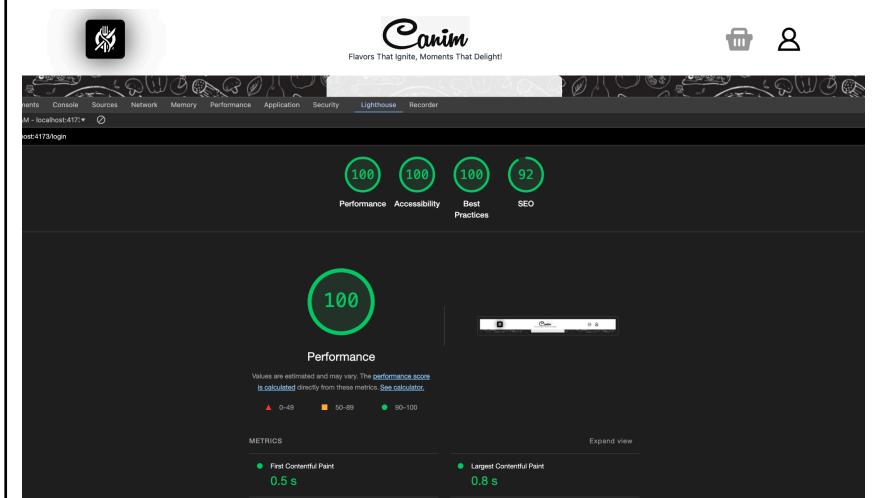
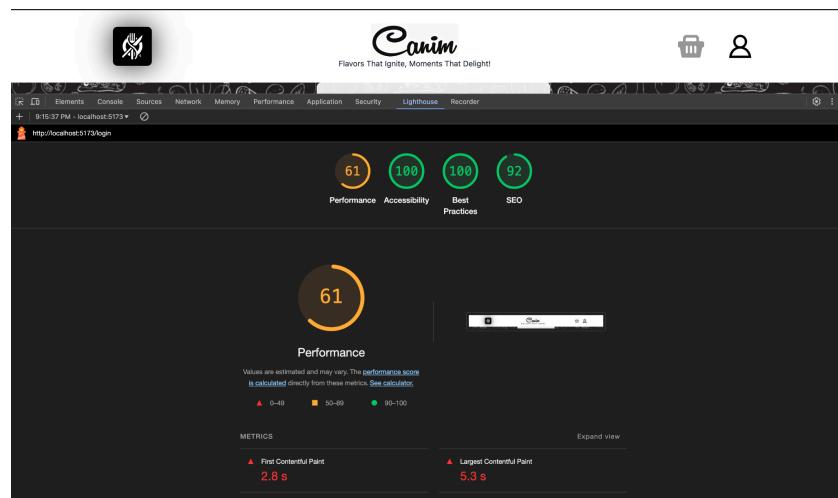
URL	DEV	PREVIEW
http://localhost:5173/	<p>Lighthouse report for the homepage (http://localhost:5173/):</p> <ul style="list-style-type: none"> Performance: 57 Accessibility: 100 Best Practices: 100 SEO: 92 	<p>Lighthouse report for the homepage in preview mode (http://localhost:5173/):</p> <ul style="list-style-type: none"> Performance: 99 Accessibility: 100 Best Practices: 100 SEO: 92
http://localhost:5173/menu#appetizer	<p>Lighthouse report for the appetizer section (http://localhost:5173/menu#appetizer):</p> <ul style="list-style-type: none"> Performance: 61 Accessibility: 100 Best Practices: 100 SEO: 92 	<p>Lighthouse report for the appetizer section in preview mode (http://localhost:5173/menu#appetizer):</p> <ul style="list-style-type: none"> Performance: 99 Accessibility: 100 Best Practices: 96 SEO: 92

<p>http://localhost:5173/profile</p> 	
<p>http://localhost:5173/preview</p> 	

<http://localhost:5173/kitchen/preparation#appetizer>



<http://localhost:5173/login>



<http://localhost:5173/signUp>

The screenshot shows the Canim sign-up page. At the top, there's a navigation bar with a logo, a shopping cart icon, and a user profile icon. Below the header is a "Sign Up" form with fields for "First name:" and "First Name". The background features a repeating pattern of pizzas and kitchen utensils. In the bottom right corner, there's a Lighthouse performance audit summary with four circular icons: Performance (61), Accessibility (100), Best Practices (100), and SEO (92). A large "61" is prominently displayed with the word "Performance" below it. A small screenshot of the sign-up page is shown to the right of the score.

The screenshot shows the Canim password reset page. It has a similar header and patterned background. The main content is a "Reset Password" form with an "Email:" field. Below the form is a note: "*Email with new password will be send". To the right is another Lighthouse performance audit summary with scores: 100, 100, 100, and 92. A large "100" is displayed with the word "Performance" below it. A small screenshot of the password reset page is shown to the right of the score.

<http://localhost:5173/appetizer/Bruschetta/10>

The screenshot shows the Canim Bruschetta appetizer page. The header includes a "Back to Menu" button and a notification icon with the number "1". The main content displays a photo of Bruschetta, its ingredients ("Baguette slices, Fresh tomatoes, Garlic, Basil, Olive oil, Balsamic, Salt"), and a note that it's "Vegetarian" (marked with a red X). There's a "Comments:" input field. A Lighthouse performance audit summary is at the bottom with scores: 60, 100, 100, and 92. A large "60" is displayed with the word "Performance" below it. A small screenshot of the Bruschetta page is shown to the right of the score.

This screenshot is identical to the one above, showing the Canim Bruschetta appetizer page. It features the same header, notification, photo, ingredients list, and Lighthouse performance audit summary. The Lighthouse summary shows scores of 100, 100, 96, and 92, with a large "100" and "Performance" text below it. A small screenshot of the Bruschetta page is shown to the right of the score.

Apache JMeter Results:

Get /items/categories/pizza?visibleInMenu=true

Number of threads: 5

Ramp-up period: 1 second

Loop count: 2

Result:

The screenshot shows the Apache JMeter Results viewer interface. At the top, there are options to "Write results to file / Read from file" and a "Filename" input field with a "Browse..." button. To the right are checkboxes for "Log/Display Only" and "Errors". Below this is a search bar with "Search:" and checkboxes for "Case sensitive" and "Regular exp.", along with "Search" and "Reset" buttons.

The main area displays a list of "HTTP Request" sampler results. The first result is selected, showing detailed information:

- Thread Name: Thread Group 1-1
- Sample Start: 2025-01-16 22:47:16 CET
- Load time: 360
- Connect Time: 64
- Latency: 356
- Size in bytes: 3652
- Sent bytes: 157
- Headers size in bytes: 421
- Body size in bytes: 3231
- Sample Count: 1
- Error Count: 0
- Data type ("text"|"bin"|""): text
- Response code: 200
- Response message:

At the bottom, it shows "HTTPSampleResult fields:" with "ContentType: application/json" and "DataEncoding: null".

Write results to file / Read from file

Filename Browse... Log/Display Only: Errors Successes

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(...)
1	22:47:17.099	Thread Group ...	HTTP Request	35	✓	3652	157	31	2
2	22:47:16.774	Thread Group ...	HTTP Request	360	✓	3652	157	356	64
3	22:47:16.899	Thread Group ...	HTTP Request	235	✓	3652	157	231	1
4	22:47:17.135	Thread Group ...	HTTP Request	20	✓	3652	157	20	0
5	22:47:17.135	Thread Group ...	HTTP Request	21	✓	3652	157	21	0
6	22:47:17.135	Thread Group ...	HTTP Request	21	✓	3652	157	21	0
7	22:47:17.298	Thread Group ...	HTTP Request	20	✓	3652	157	20	1
8	22:47:17.318	Thread Group ...	HTTP Request	16	✓	3652	157	16	0
9	22:47:17.500	Thread Group ...	HTTP Request	39	✓	3652	157	39	2
10	22:47:17.540	Thread Group ...	HTTP Request	20	✓	3652	157	19	0
...									

Analysis: The endpoint works as expected. It is quick enough and can handle a large users flow.

Post /auth/login

Number of threads: 10

Ramp-up period: 1 second

Loop count: 2

Result:

Write results to file / Read from file									
Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(...)
1	22:49:28.240	Thread Group ...	HTTP Request	180	✓	858	249	180	1
2	22:49:28.140	Thread Group ...	HTTP Request	281	✗	503	249	280	2
3	22:49:28.344	Thread Group ...	HTTP Request	132	✓	858	249	132	1
4	22:49:28.422	Thread Group ...	HTTP Request	129	✓	858	249	129	0
5	22:49:28.420	Thread Group ...	HTTP Request	132	✓	858	249	132	0
6	22:49:28.440	Thread Group ...	HTTP Request	135	✓	858	249	135	0
7	22:49:28.476	Thread Group ...	HTTP Request	121	✓	858	249	121	0
8	22:49:28.542	Thread Group ...	HTTP Request	167	✓	858	249	167	0
9	22:49:28.576	Thread Group ...	HTTP Request	164	✓	858	249	164	0
10	22:49:28.645	Thread Group ...	HTTP Request	186	✓	858	249	185	0
11	22:49:28.709	Thread Group ...	HTTP Request	153	✓	858	249	152	0
12	22:49:28.743	Thread Group ...	HTTP Request	140	✓	858	249	140	0
13	22:49:28.831	Thread Group ...	HTTP Request	118	✓	858	249	117	0
14	22:49:28.844	Thread Group ...	HTTP Request	113	✓	858	249	113	1
15	22:49:28.883	Thread Group ...	HTTP Request	104	✓	858	249	104	0
16	22:49:28.957	Thread Group ...	HTTP Request	113	✗	503	249	113	0
17	22:49:28.944	Thread Group ...	HTTP Request	127	✓	858	249	127	0
18	22:49:29.040	Thread Group ...	HTTP Request	116	✓	858	249	116	0
19	22:49:29.071	Thread Group ...	HTTP Request	106	✓	858	249	106	0
20	22:49:29.157	Thread Group ...	HTTP Request	106	✓	858	249	106	0

Analysis: The endpoint works as expected. The issues that are caught are because records are inserted in the refresh token table and an error occurs when for a very short time frame two records for the same userId are inserted:

Error:

org.springframework.orm.ObjectOptimisticLockingFailureException: Row was updated or deleted by another transaction (or unsaved-value mapping was incorrect) : [nl.fontys.s3.dinemasterpro.persistence.entity.RefreshTokenEntity#2140

Conclusion:

Overall, the results of the application are good after the updates were applied. In dev the application works as expected without long load time, in preview mode, when the application is built and the static code is compressed, the results are high and should guarantee good user experience. The JMeter results for the two endpoints tested, seem promising for a well working application.