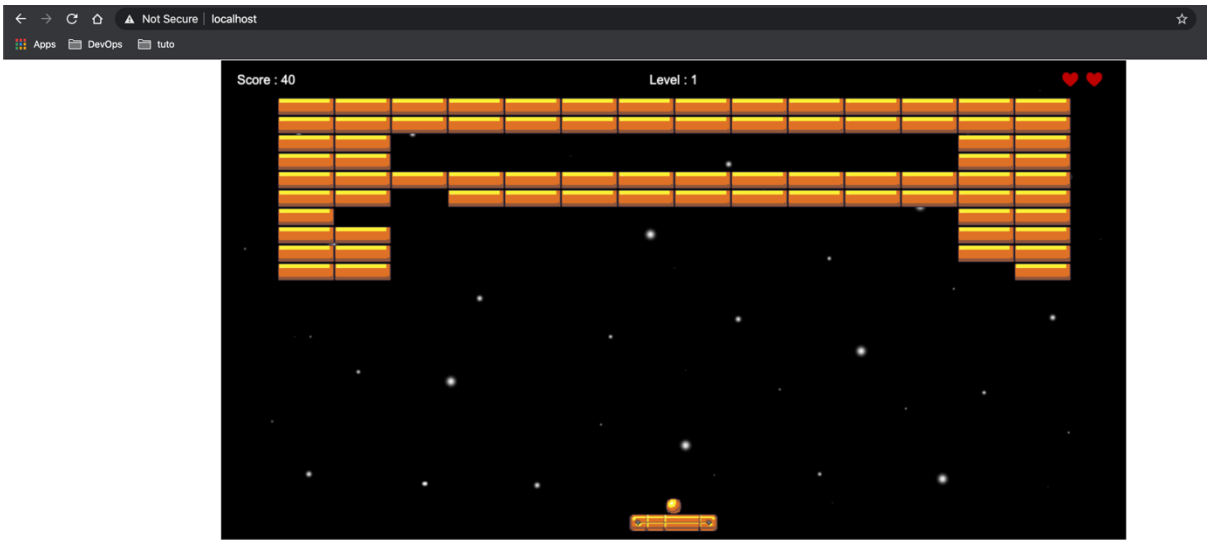
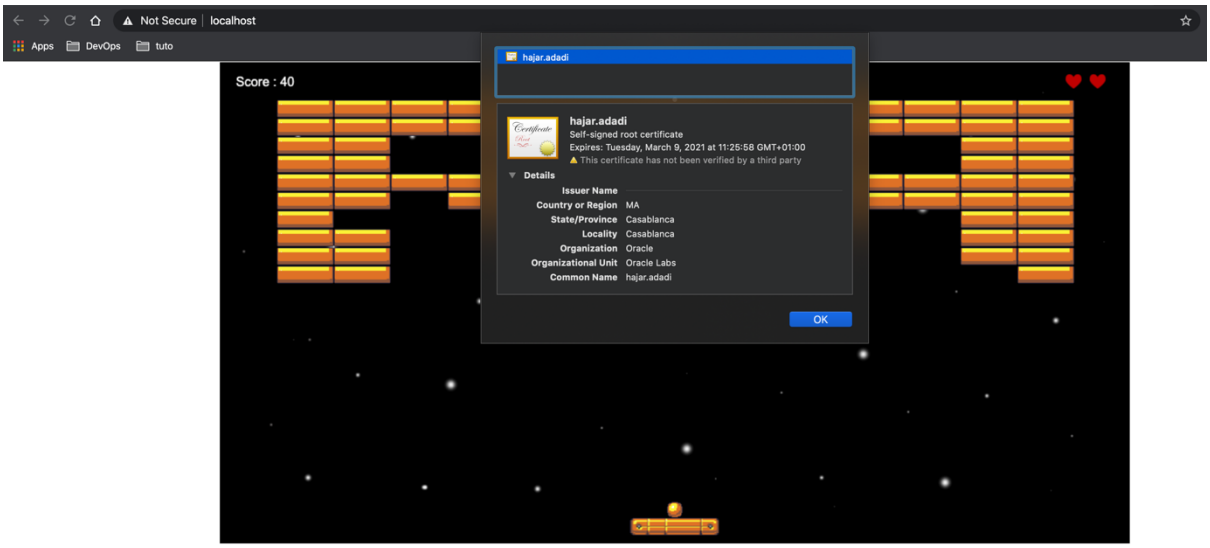
Task: DevOps - Create a Docker image with a simple web Application (HAJAR ADADI)

2. **Run the container and test:**
   i) **Web browser screenshot:**





   ii) **Test a https URL of the web application 10 000 times, with 10 concurrent connections.**

I performed this request using ApacheBench Command (ab) with 3 parameters:

-n 10000 **<= number of total requests**

-c 10 **<= concurrent connections**

https://localhost/ **<= URL**

note : to save the stdout of the ab command, I redirect it to a file called output.
The important metrics are written with red.

“””

This is ApacheBench, Version 2.3 <$Revision: 1843412 $>
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Benchmarking localhost (be patient)

Server Software: Apache/2.4.6
Server Hostname: localhost
Server Port: 443
SSL/TLS Protocol: TLSv1.2,ECDHE-RSA-AES256-GCM-SHA384,2048,256
Server Temp Key: ECDH P-256 256 bits
TLS Server Name: localhost

Document Path: /
Document Length: 760 bytes

Concurrency Level: 10
Time taken for tests: 50.599 seconds
Complete requests: 10000
Failed requests: 0
Total transferred: 10160000 bytes
HTML transferred: 7600000 bytes
Requests per second: 197.63 [#/sec] (mean)
Time per request: 50.599 [ms] (mean)
Time per request: 5.060 [ms] (mean, across all concurrent requests)
Transfer rate: 196.09 [Kbytes/sec] received

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	13	35 13.0	35	201
Processing:	2	15 12.3	13	184
Waiting:	1	13 11.2	10	179
Total:	19	50 17.6	45	240

Percentage of the requests served within a certain time (ms)

50%	45
66%	50
75%	54
80%	58
90%	69
95%	77
98%	83

99% 148
100% 240 (longest request)
“””

3. **Document the weaknesses of your Dockerfile.**
   As we request a lot the container, apache log file growth for each request which is not comfortable in production, the solution is to create a volume to manage the log file following an internal policies.