PERFORMANCE TESTING

US 011, 013, 019, 020 and 025

Throughout the whole project I've been in charge of the following US:

- 011 Homeless pets' management
- 013 Vet management
- 019 Trainer management
- 020 Unregistered users can see trainers
- 025 Trainers can see pet's visits

Having reached this stage of the project, performance testing was being needed to see what are the basic flaws of the system. The data obtained from these test is summed in the next table but we'll get into details US by US after.

US # and description	Stress test	Load test
US 011 Homeless pets management	85000	250
US 013 Vet management	80000	1500
US 019 Trainer management	80000	3000
US 020 Unregistered users can see trainers	100000	14000
US 025 Trainers can see pet's visits	80000	2000

US 011 – Homeless pets' management

The system performance (CPU + RAM) is detailed through the next screenshots:

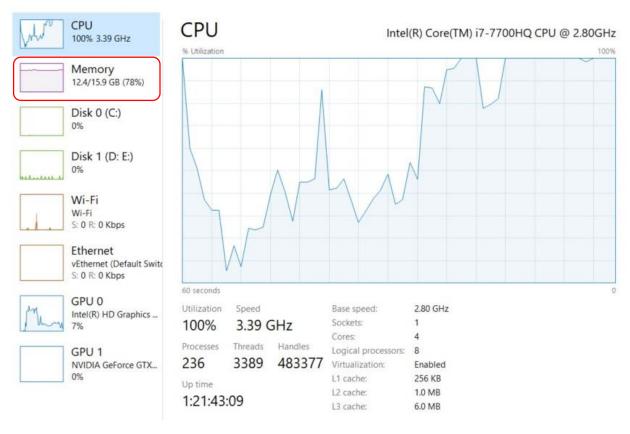


Figure 1 US 011 Bottleneck

The CPU would remain like this until the script finished, as it's shown in the next one:

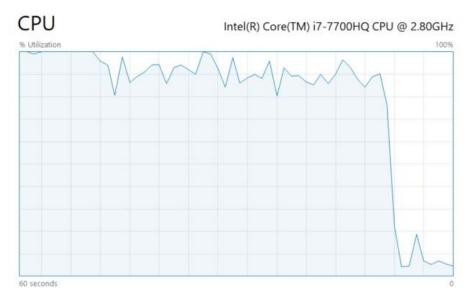


Figure 2 US 011 CPU after finishing



Figure 3 US 011 Global information Load test



Figure 4 US 011 Load test details

US 013 – Vet management

The system performance (CPU + RAM) is detailed through the next screenshots:

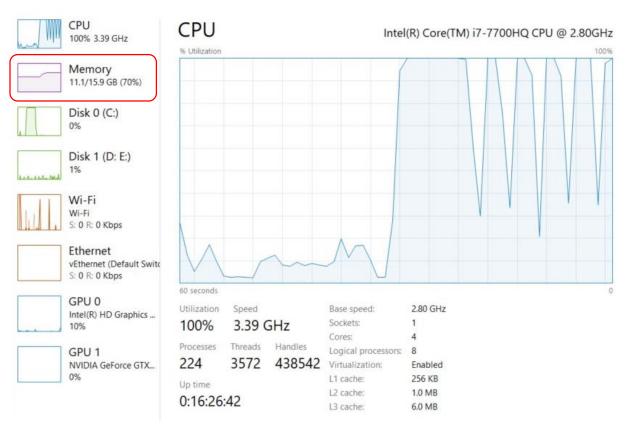


Figure 5 US 013 Bottleneck

The CPU would remain like this until the script finished, as it's shown in the next one:



Figure 6 US 013 CPU after finishing



Figure 7 US 013 Global information Load test



Figure 8 US 013 Load test details

US 019 – Trainer management

The system performance (CPU + RAM) is detailed through the next screenshots:

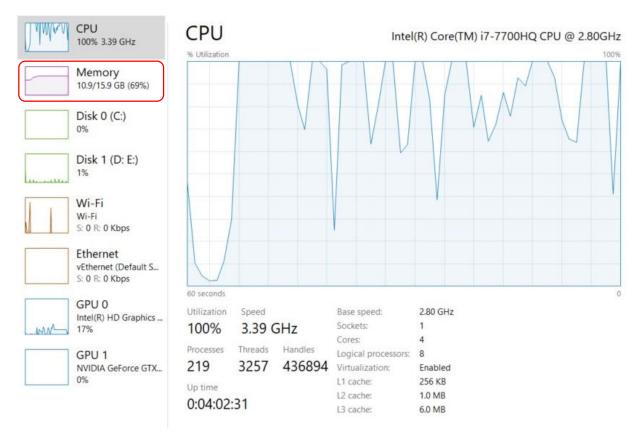


Figure 9 US 019 Bottleneck

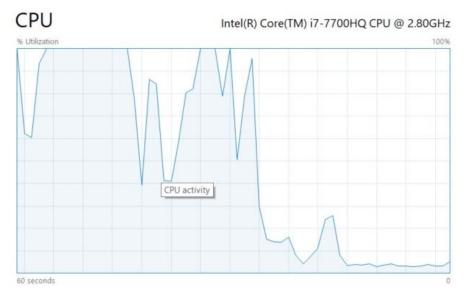


Figure 10 US 019 after finishing



Figure 11 US 019 Global information Load test



Figure 12 US 019 Load test details

US 020 – Unregistered users can see trainers

The system performance (CPU + RAM) is detailed through the next screenshots:

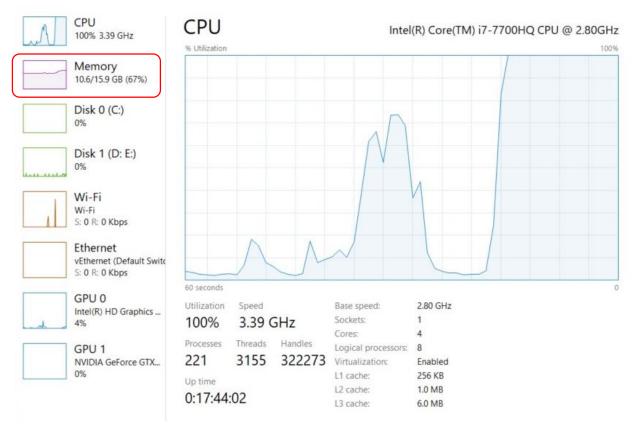


Figure 13 US 020 Bottleneck

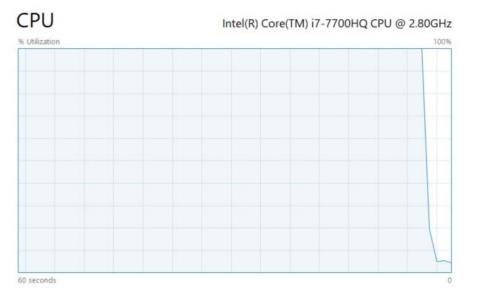


Figure 14 US 020 CPU after finishing



Figure 15 US 020 Global information Load test

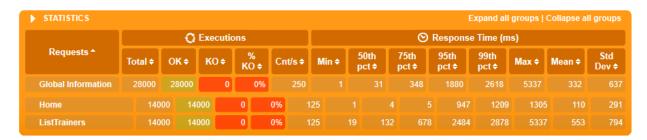


Figure 16 US 020 Load test details

US 025 - Trainers can see pets' visits

The system performance (CPU + RAM) is detailed through the next screenshots:

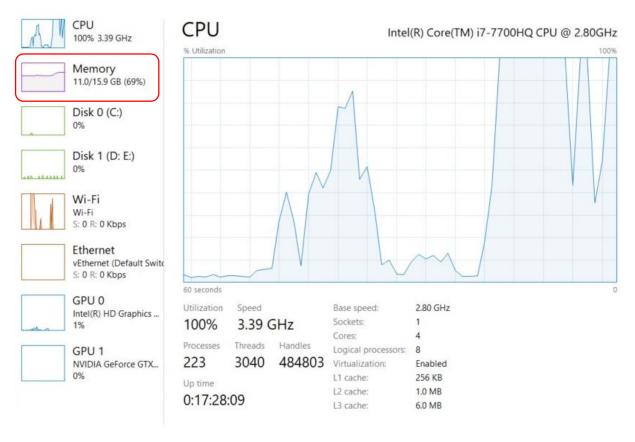


Figure 17 US 025 Bottleneck

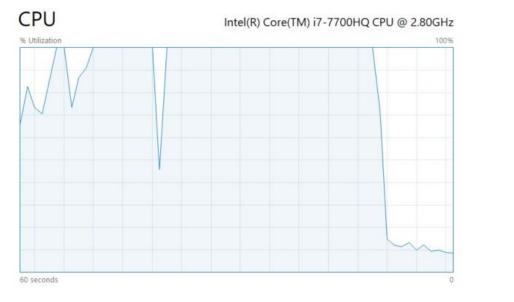


Figure 18 US 025 CPU after finishing

> Global Information



Figure 19 US 025 Global information Load test



Figure 20 US 025 Load test details

As a conclusion of all these tests, I can say that we would have to improve mostly the CPU and in some cases the memory but it's not that big of an issue like the CPU.