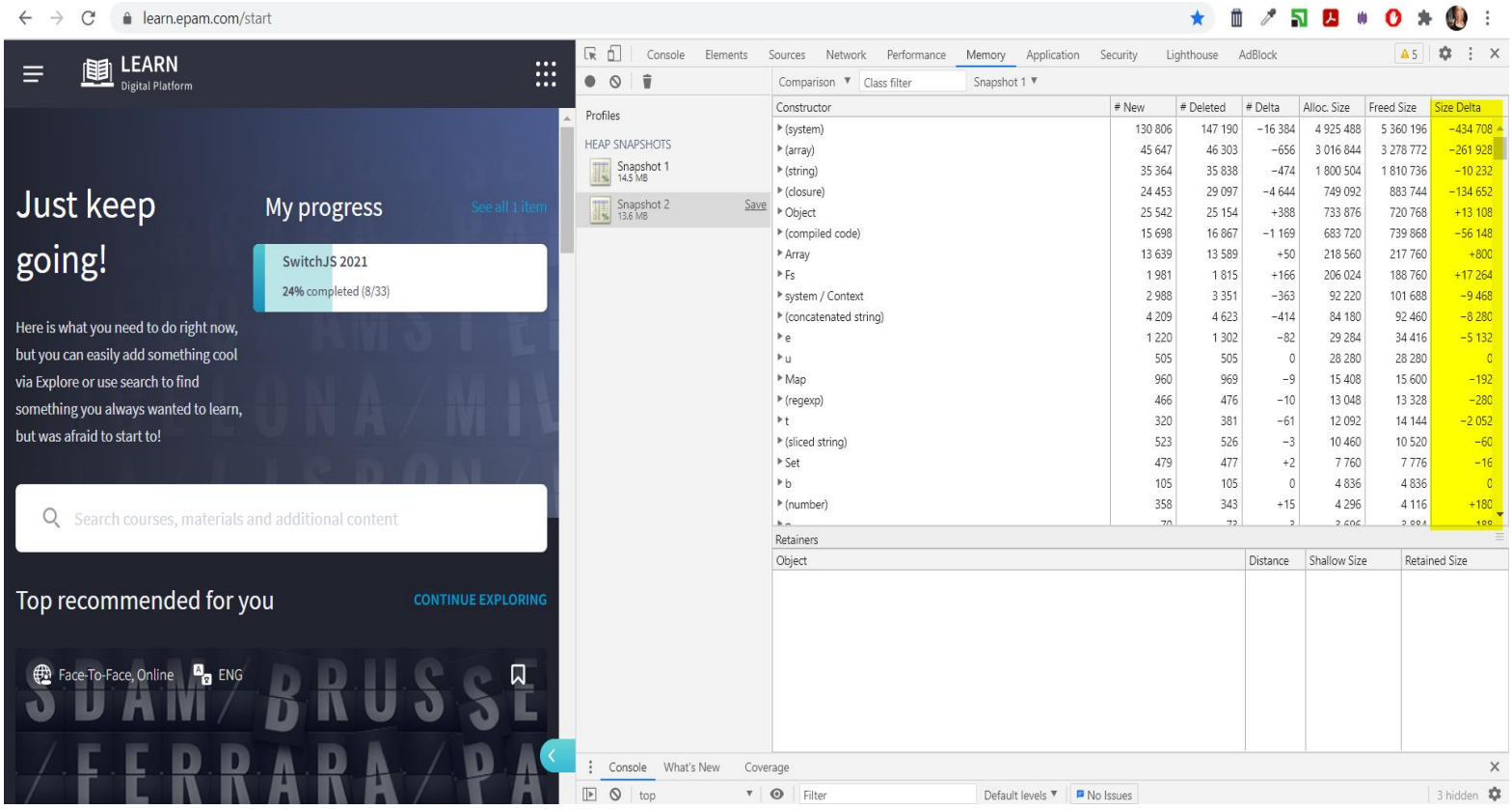
Task:

Choose 3 EPAM sites and analyze it using DevTools console:

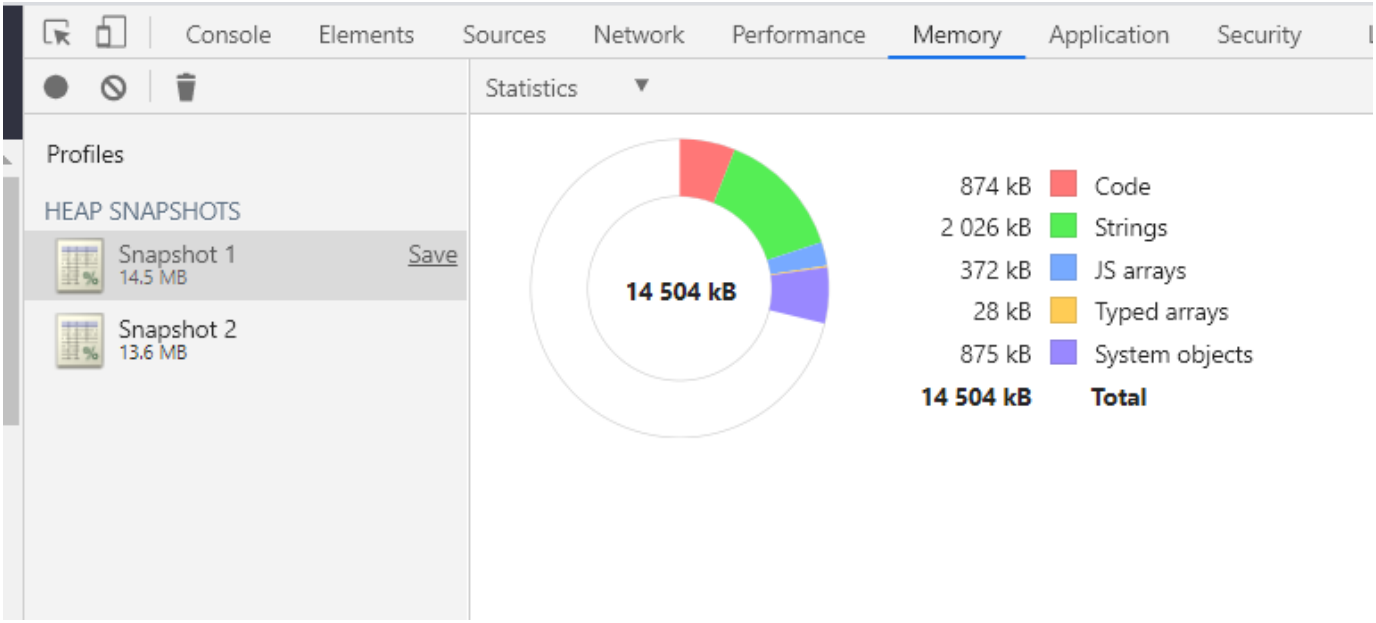
- Do they have memory leaks?
- What functions are taking more time for execution?
- What time does it take for rendering first meaningful page?

1. EPAM Learn - https://learn.epam.com/start

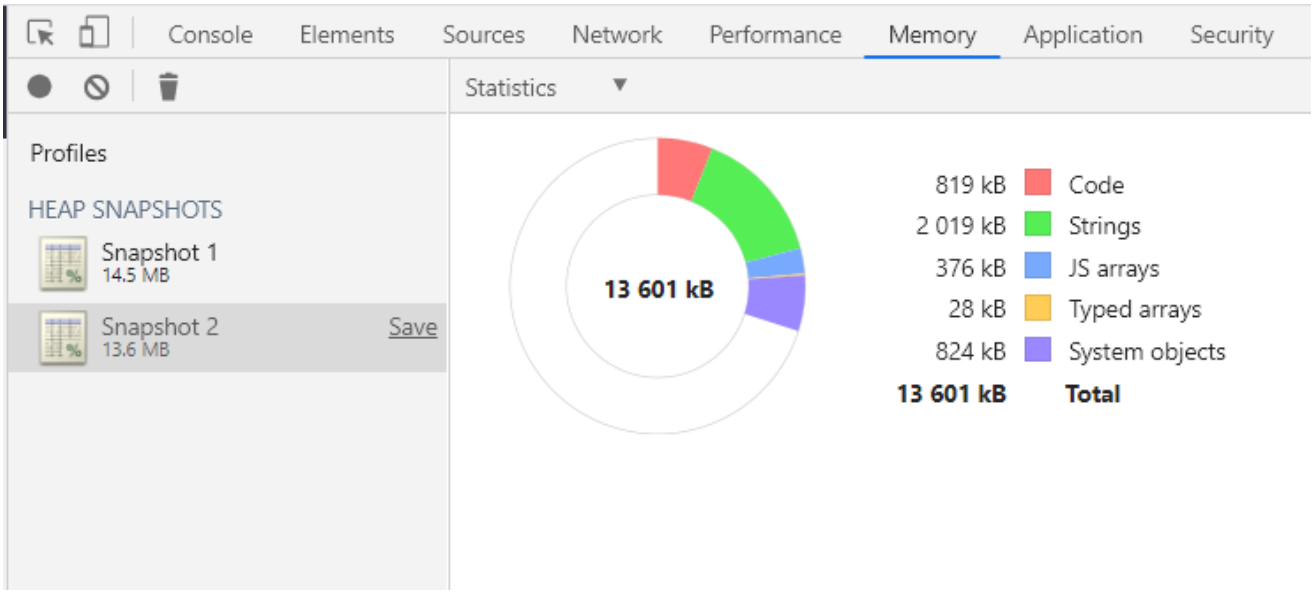
   1.1 This site does not have significant memory leaks, since the memory size after some activities (Snapshot 2) on the same page is less than memory before (Snapshot 1).



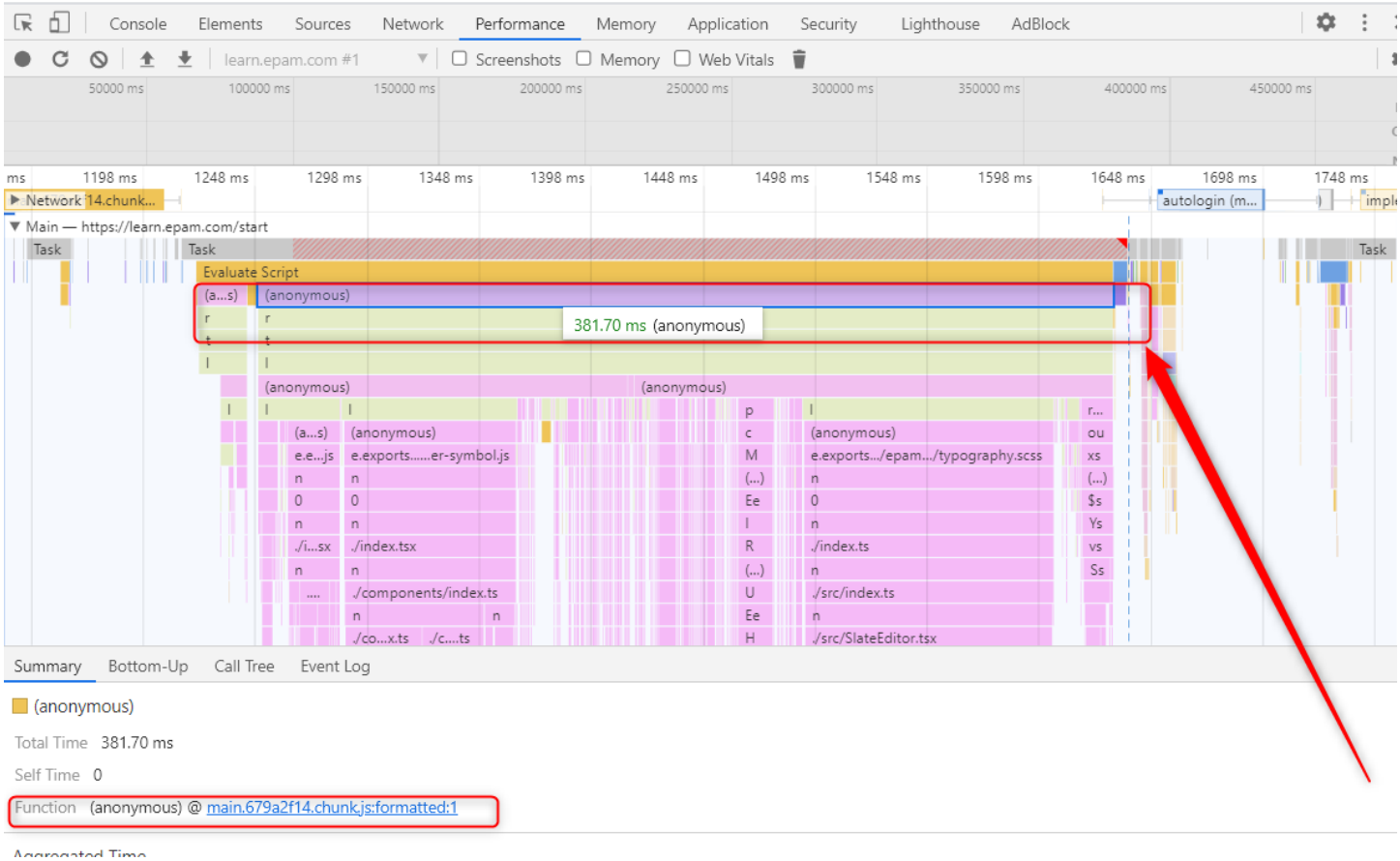
Snapshot 1



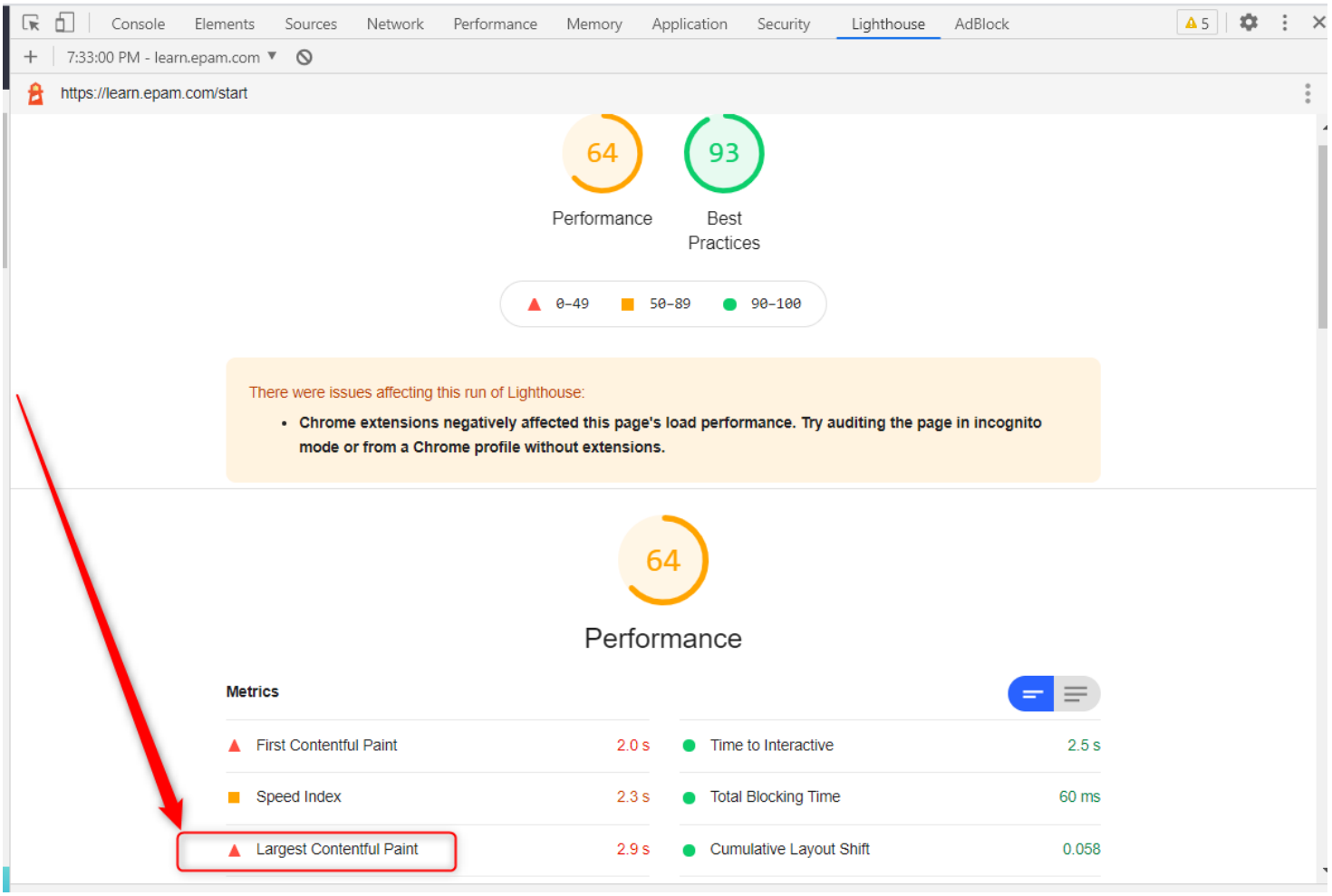
Snapshot 2



1.2 The longest function takes **381.70ms** and this is anonymous function.

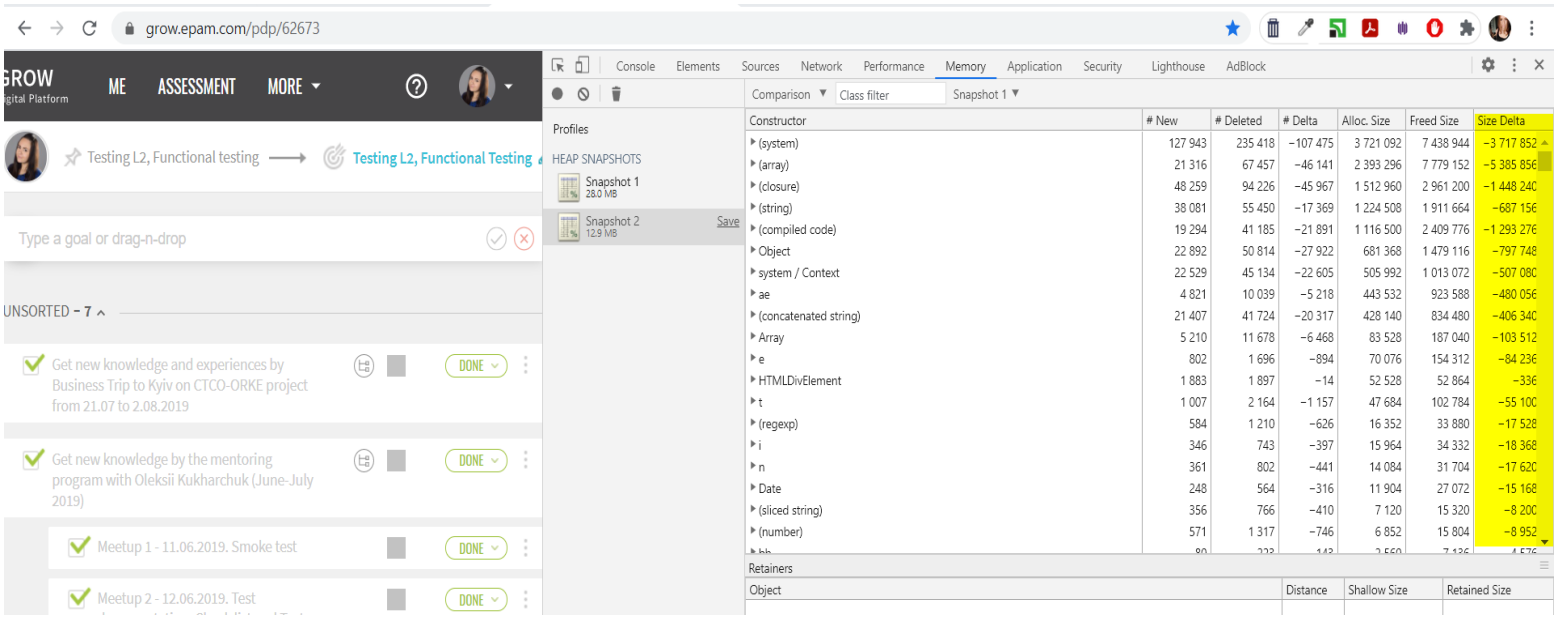


1.3 As First Meaningful Paint (FMP) is deprecated in Lighthouse 6.0, the most suitable metric is Largest Contentful Paint (LCP) instead. **LCP = 2.9 s.**

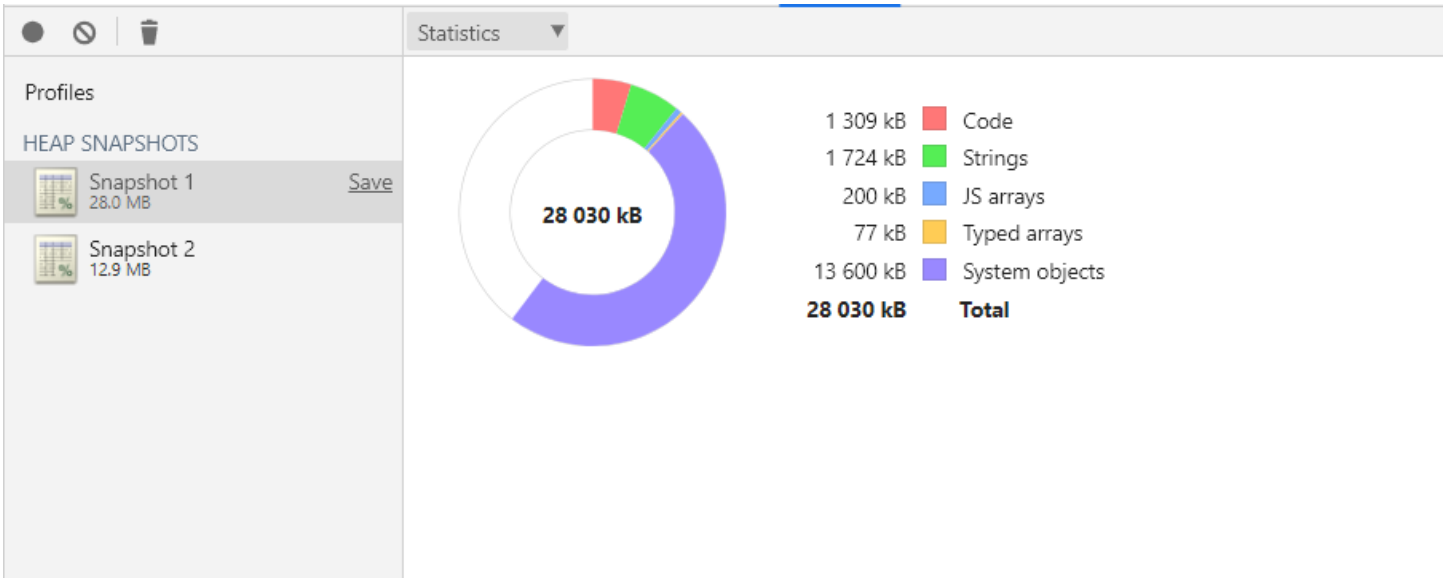


2. EPAM Grow - https://grow.epam.com

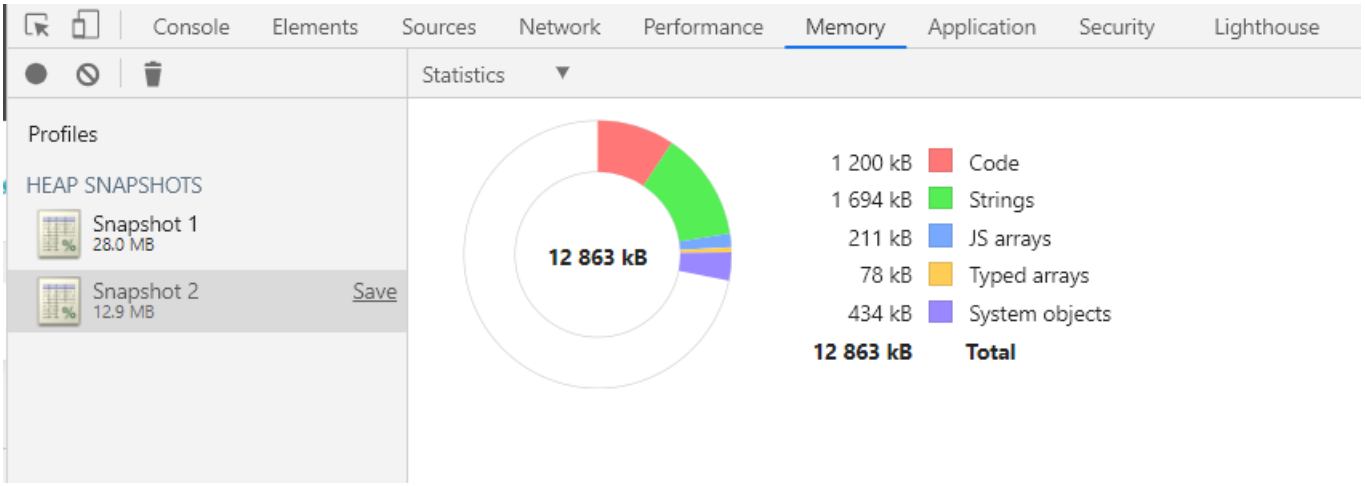
2.1 This site does not have significant memory leaks since the memory size after some activities (Snapshot 2) on the same page is less than memory before (Snapshot 1).



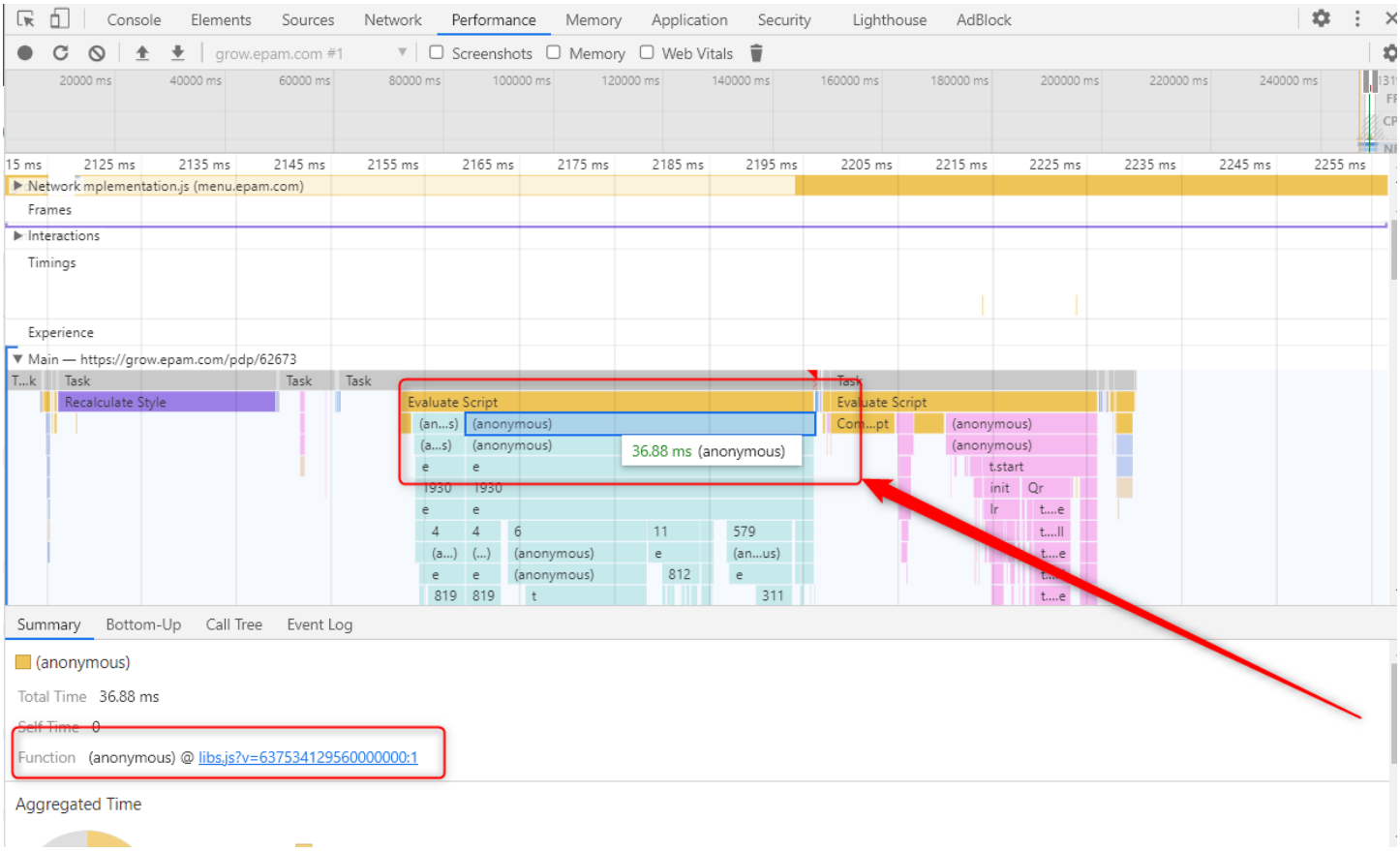
Snapshot 1



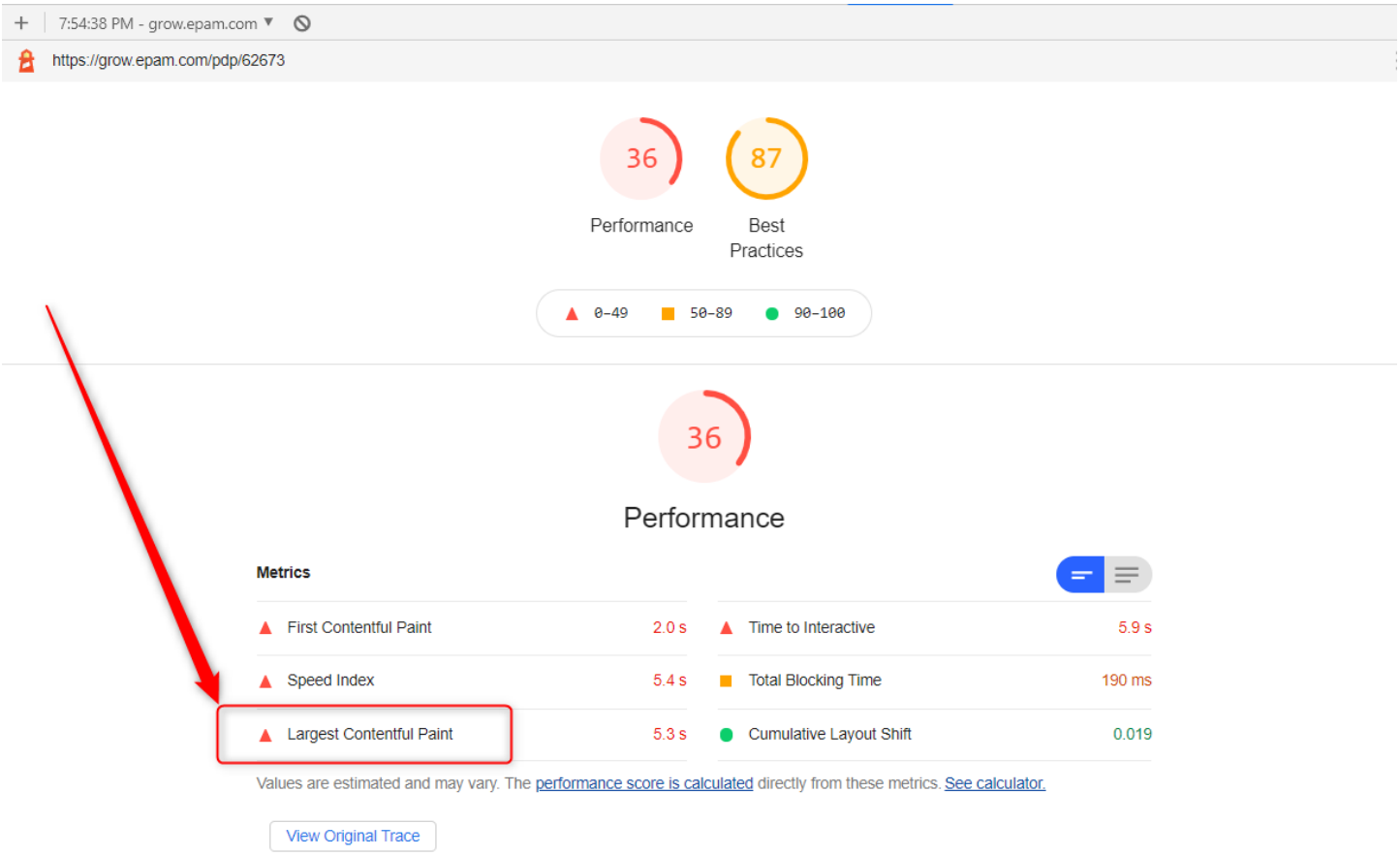
Snapshot 2



2.2 The longest function takes **36.88ms** and this is anonymous function.



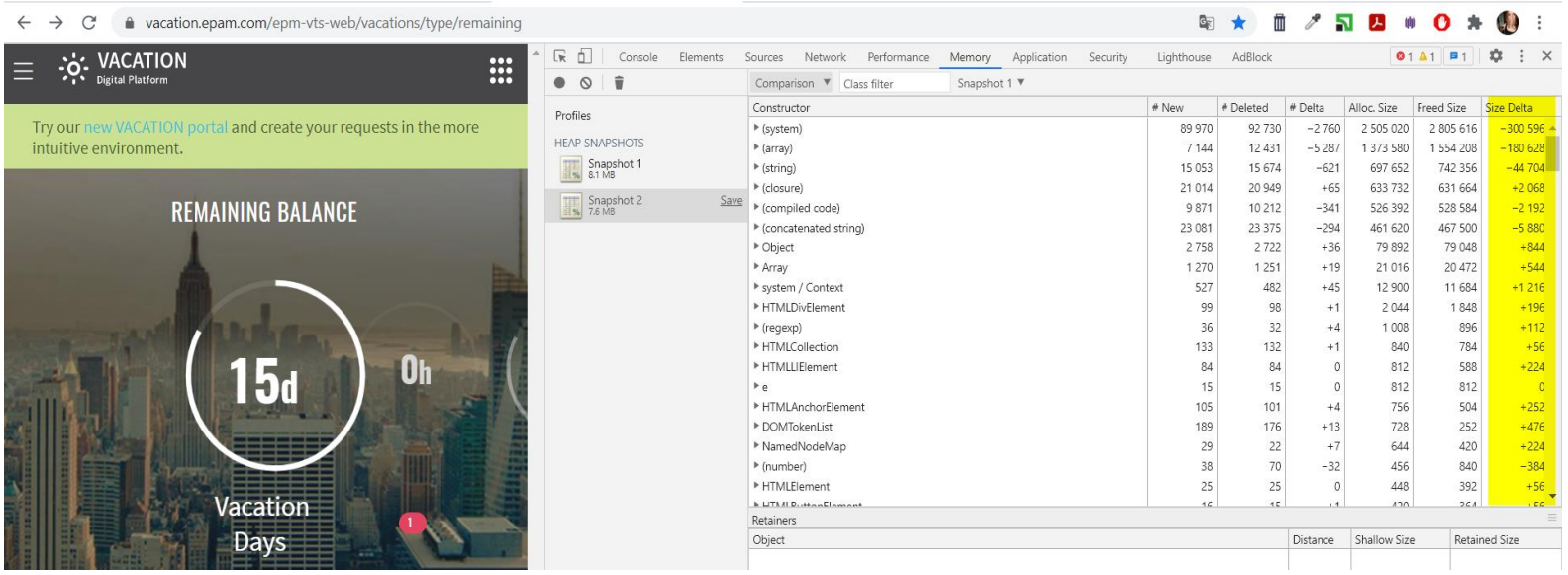
2.3 LCP = 5.3 s.


7:54:38 PM - grow.epam.com
https://grow.epam.com/pdp/62673
36
Performance
87
Best Practices
0–49
50–89
90–100

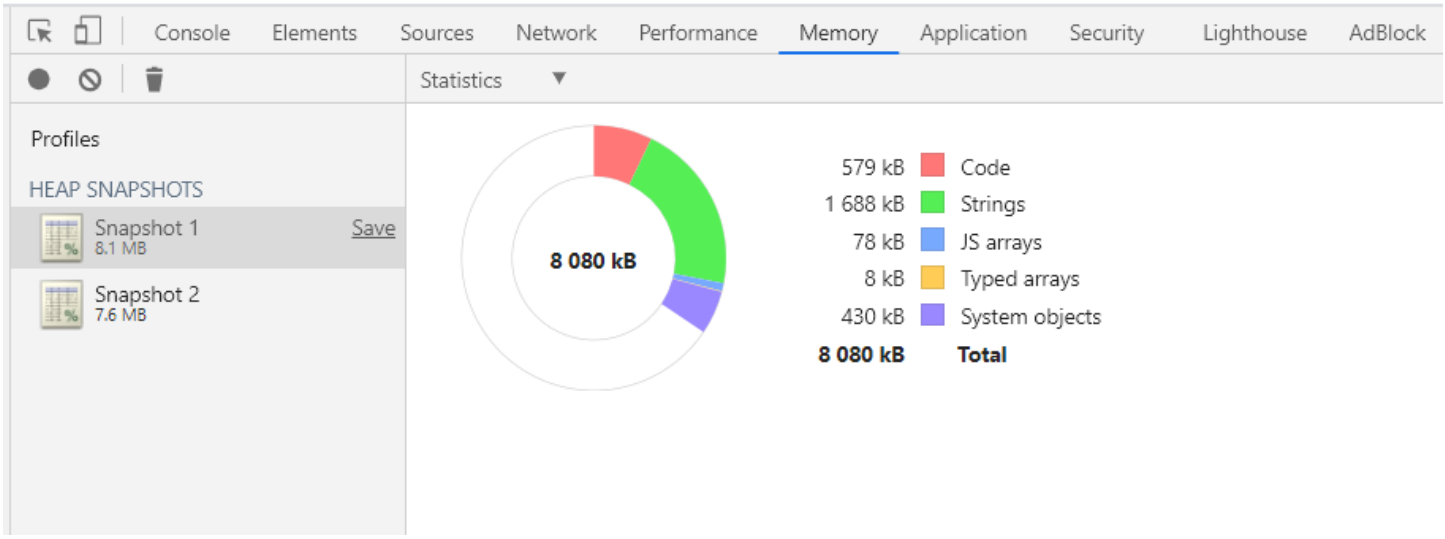
36
Performance
Metrics
First Contentful Paint 2.0 s
Time to Interactive 5.9 s
Speed Index 5.4 s
Total Blocking Time 190 ms
Largest Contentful Paint 5.3 s
Cumulative Layout Shift 0.019
Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.
View Original Trace

3. EPAM Vacation - https://vacation.epam.com/

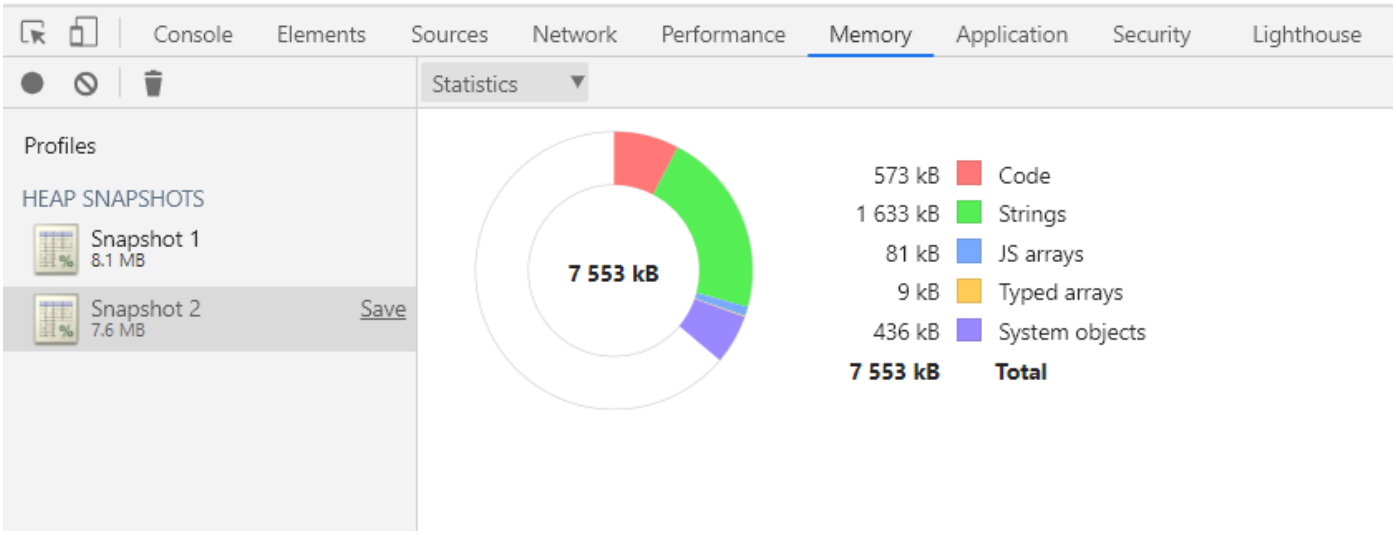
3.3 This site does not have significant memory leaks since the memory size after some activities (Snapshot 2) on the same page is less than memory before (Snapshot 1).



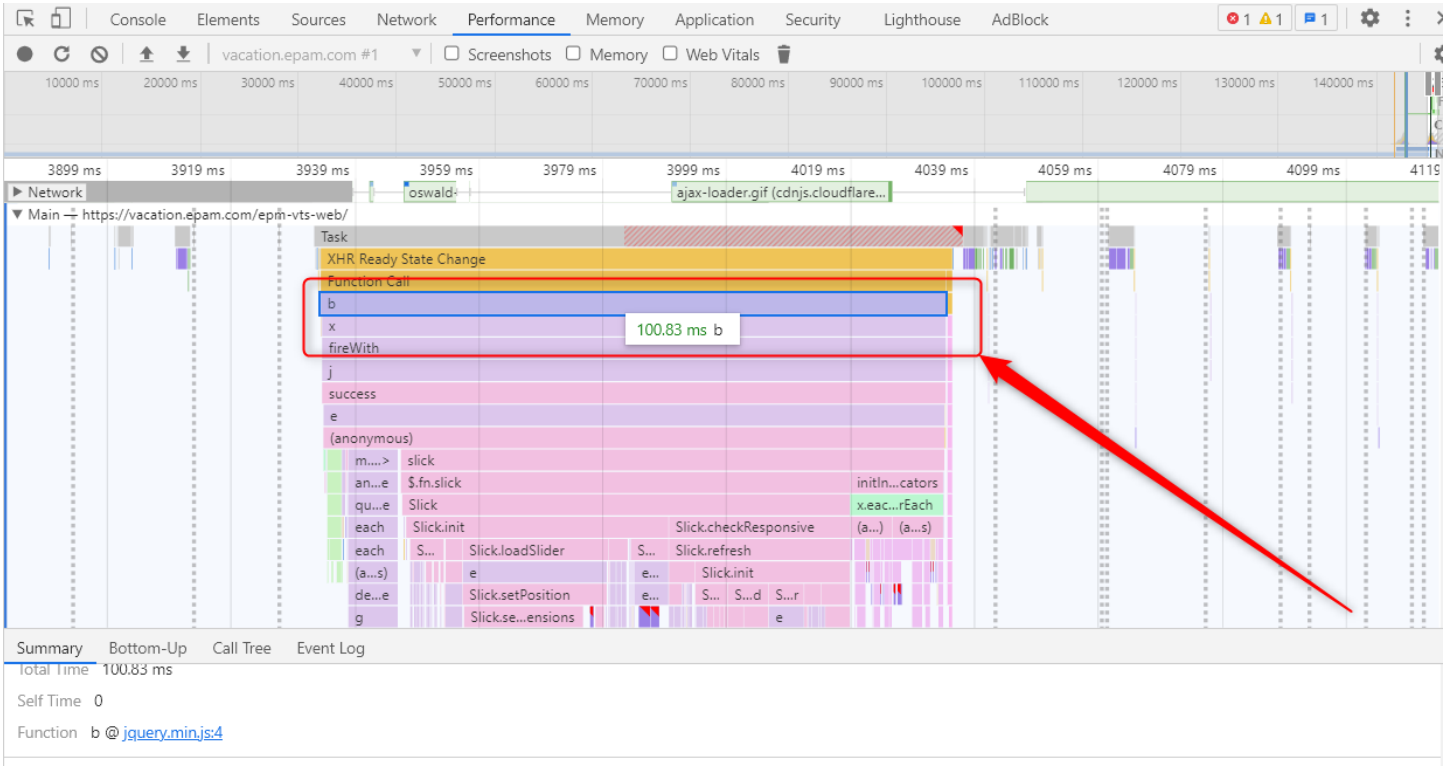
Snapshot 1



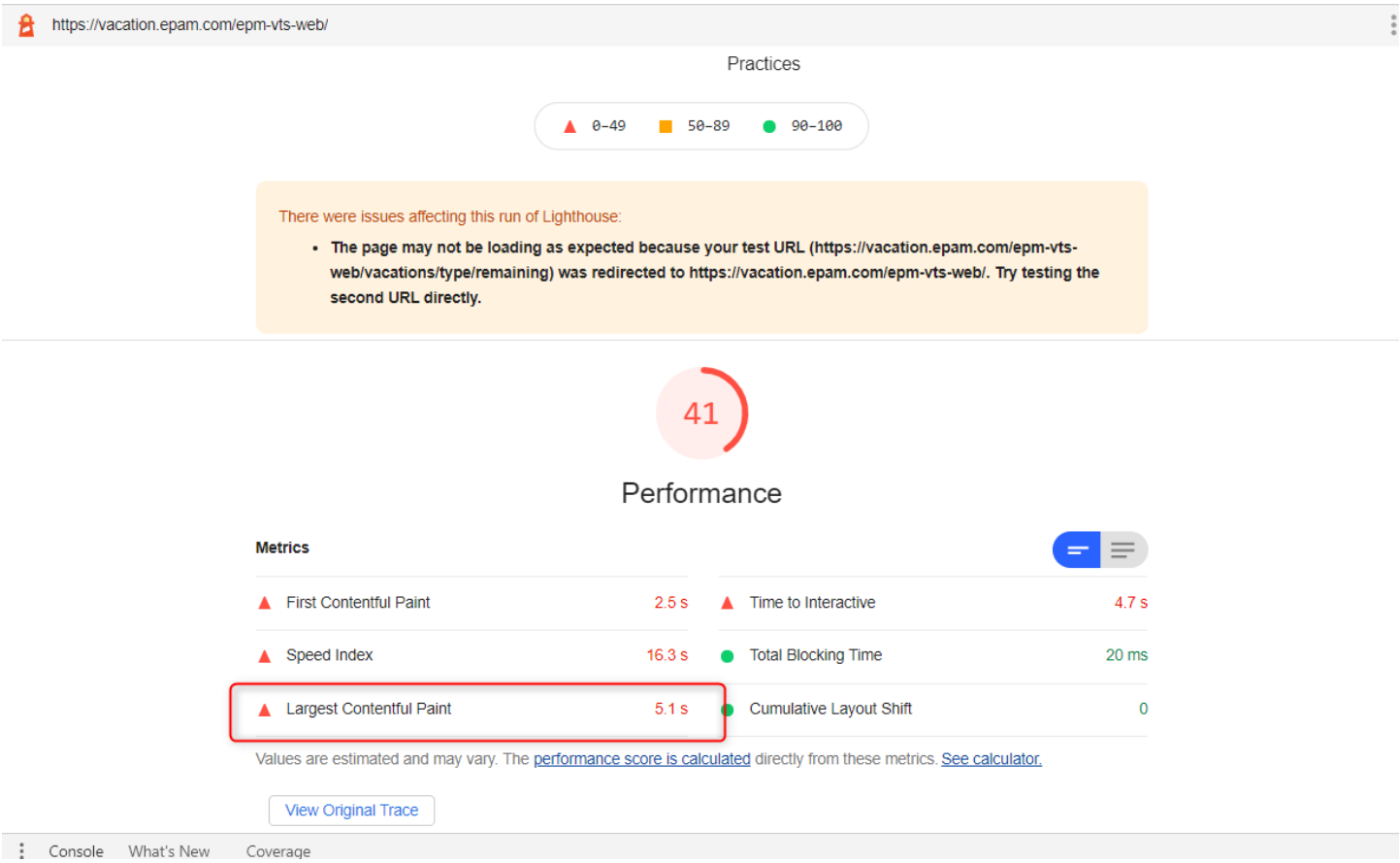
Snapshot 2



3.2 The longest function takes **100.83ms** and this is anonymous function.



3.3 LCP = 5.1 s.


https://vacation.epam.com/epm-vts-web/
Practices
0–49
50–89
90–100
There were issues affecting this run of Lighthouse:
The page may not be loading as expected because your test URL (https://vacation.epam.com/epm-vts-web/vacations/type/remaining) was redirected to https://vacation.epam.com/epm-vts-web/. Try testing the second URL directly.
41
Performance
Metrics
First Contentful Paint 2.5 s
Time to Interactive 4.7 s
Speed Index 16.3 s
Total Blocking Time 20 ms
Largest Contentful Paint 5.1 s
Cumulative Layout Shift 0
Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.
View Original Trace
Console
What's New
Coverage