Core Web Vitals Measurement & Analysis

Category	Website A (E-Commerce)	Website B (News/Media)	Website C (Education)
URL	ebay.com	aljazeera.com	coursera.org
Server Location	San Jose, CA (HQ) / Global CDN	Doha, Qatar (HQ) / CDN	Mountain View, CA / AWS Cloud
CMS	Custom (Headless)	Headless WordPress	Custom / React Platform
Frontend Framework	React, Node.js	React (on top of WP)	React
Page Load Time	0.77 s (Load) / 1.03 s (Finish)	1.05 s (Load) / 17.27 s (Finish)	2.39 s (Load) / 3.23 s (Finish)
Total Page Size	1.0 MB transferred	2.1 MB transferred	263 kB transferred
HTTP Requests	91	142	96

Metric	Website A (eBay)	Website B (Al Jazeera)	Website C (Coursera)
LCP (<2.5s)	1.7 s (Good)	1.5 s (Good)	3.2 s (Poor)
INP (<200ms)	201 ms (Needs Improvement)	426 ms (Poor)	656 ms (Poor)
CLS (<0.1)	0.02 (Good)	0.02 (Good)	0.06 (Good)
Assessment	Failed (due to INP)	Failed (due to INP)	Failed (due to LCP & INP)

Rank	Website	Score (0-100)	Reason for Ranking
1st	eBay	60	Best overall responsiveness. Fast load times and manages high traffic well. Fails INP marginally (201ms).
2nd	Al Jazeera	41	Good visual loading (LCP 1.5s), but heavy ad scripts cause severe input delays (INP 426ms).
3rd	Coursera	41	Worst Performer. Fails both critical metrics. Slowest to load (LCP 3.2s) and least responsive (INP 656ms).

Tech Stack Analysis:

- Al Jazeera uses a modern "Headless WordPress" setup where WordPress manages content, but React handles the frontend display.
- Coursera is a Single Page Application (SPA) built heavily on React and hosted on Amazon Web Services (AWS).

A) Largest Contentful Paint (LCP) - Target < 2.5s

- Website A (eBay): 1.7s (Good).
- Website B (Al Jazeera): 1.5s (Good).
- Website C (Coursera): 3.2s (Poor).
- *Observation:* Coursera fails LCP significantly, likely due to large hero images or heavy JavaScript executing before the main content paints.

B) Interaction to Next Paint (INP) - Target < 200ms

- Website A (eBay): 201ms (Needs Improvement).
- Website B (Al Jazeera): 426ms (Poor).
- Website C (Coursera): 656ms (Poor).
- *Observation:* Coursera has the worst responsiveness (656ms), meaning the site freezes for over half a second when a user tries to click a button.
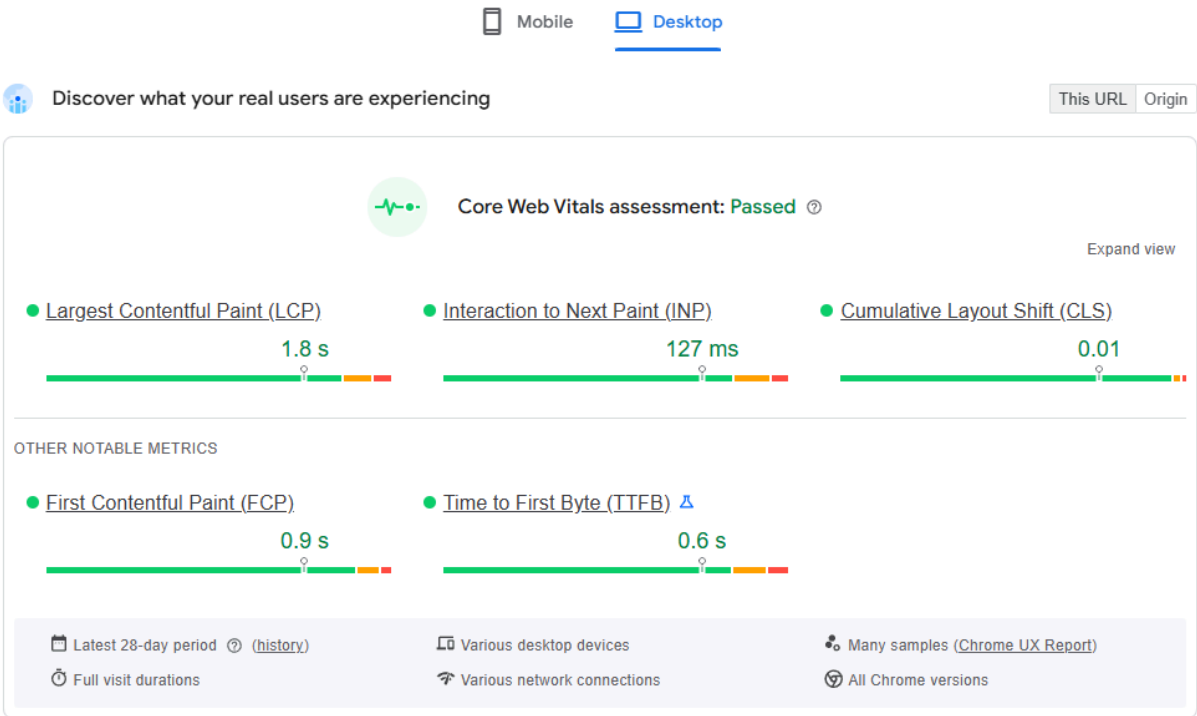
C) Cumulative Layout Shift (CLS) - Target < 0.1

- Website A (eBay): 0.02 (Good).
- Website B (Al Jazeera): 0.02 (Good).
- Website C (Coursera): 0.06 (Good).

Website	Overall Score (Mobile)	Overall Score (Desktop)	Key Difference
eBay	60 (Needs Improvement)	71 (Needs Improvement)	Desktop is faster, but both struggle with code execution time.
Al Jazeera	41 (Poor)	60 (Needs Improvement)	Huge gap; Mobile CPU struggles with the heavy React hydration.
Coursera	41 (Poor)	61 (Needs Improvement)	Consistent poor performance; highly unoptimized for weaker devices.

Performance Ranking:

1. **1st Place: eBay** (Best LCP and best INP, though still needs work).
2. **2nd Place: Al Jazeera** (Good LCP, but very poor interactivity/INP).
3. **3rd Place: Coursera** (Worst Performer: Fails both LCP and INP significantly).

Ebay screenshots

Mobile **Desktop**

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Core Web Vitals assessment: **Passed** ⊘

Expand view

● Largest Contentful Paint (LCP)   ● Interaction to Next Paint (INP)   ● Cumulative Layout Shift (CLS)

1.8 s   127 ms   0.01

OTHER NOTABLE METRICS

● First Contentful Paint (FCP)   ● Time to First Byte (TTFB) ⚡

0.9 s   0.6 s

📅 Latest 28-day period ⊘ (history)   📠 Various desktop devices   ⚬ Many samples (Chrome UX Report)
⏱ Full visit durations   ⌁ Various network connections   ⊙ All Chrome versions

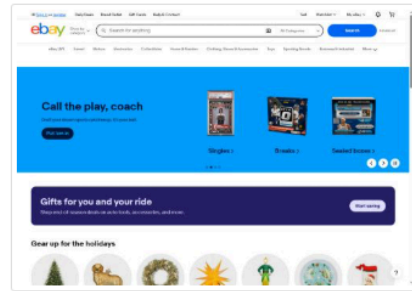| 71	84	77	92
Performance	Accessibility	Best Practices	SEO

Performance

71

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0–49   ■ 50–89   ● 90–100

METRICS

Expand view

■ First Contentful Paint
0.9 s

■ Largest Contentful Paint
1.4 s

▲ Total Blocking Time
380 ms

● Cumulative Layout Shift
0.005

▲ Speed Index
2.9 s

Report from 6 Dec 2025, 18:05:30

https://www.ebay.com/   **Analyse**

📱 Mobile   🖥 Desktop

👥 Discover what your real users are experiencing   This URL | Origin

Core Web Vitals assessment: **Failed** ⊙

Expand view

● Largest Contentful Paint (LCP)
1.7 s

■ Interaction to Next Paint (INP)
201 ms

● Cumulative Layout Shift (CLS)
0.02

OTHER NOTABLE METRICS

● First Contentful Paint (FCP)
1.1 s

● Time to First Byte (TTFB) ⊿
0.8 s

📅 Latest 28-day period ⊙ (history)   📱 Various mobile devices   ⚲ Many samples (Chrome UX Report)
⏱ Full visit durations   📶 Various network connections   🌐 All Chrome versions

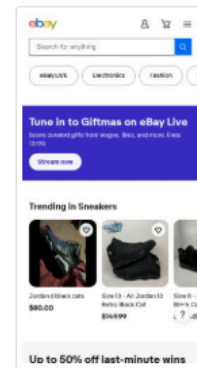| 60	87	58	92
Performance	Accessibility	Best Practices	SEO

142 requests | 2.1 MB transferred | 8.6 MB resources | Finish: 17.27 s | DOMContentLoaded: 947 ms | Load: 1.05 s

60

Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0–49   ■ 50–89   ● 90–100

METRICS   Expand view

▲ First Contentful Paint
4.2 s

▲ Largest Contentful Paint
6.5 s

■ Total Blocking Time
300 ms

● Cumulative Layout Shift
0.017

■ Speed Index
4.5 s

Aljazeera screenshots

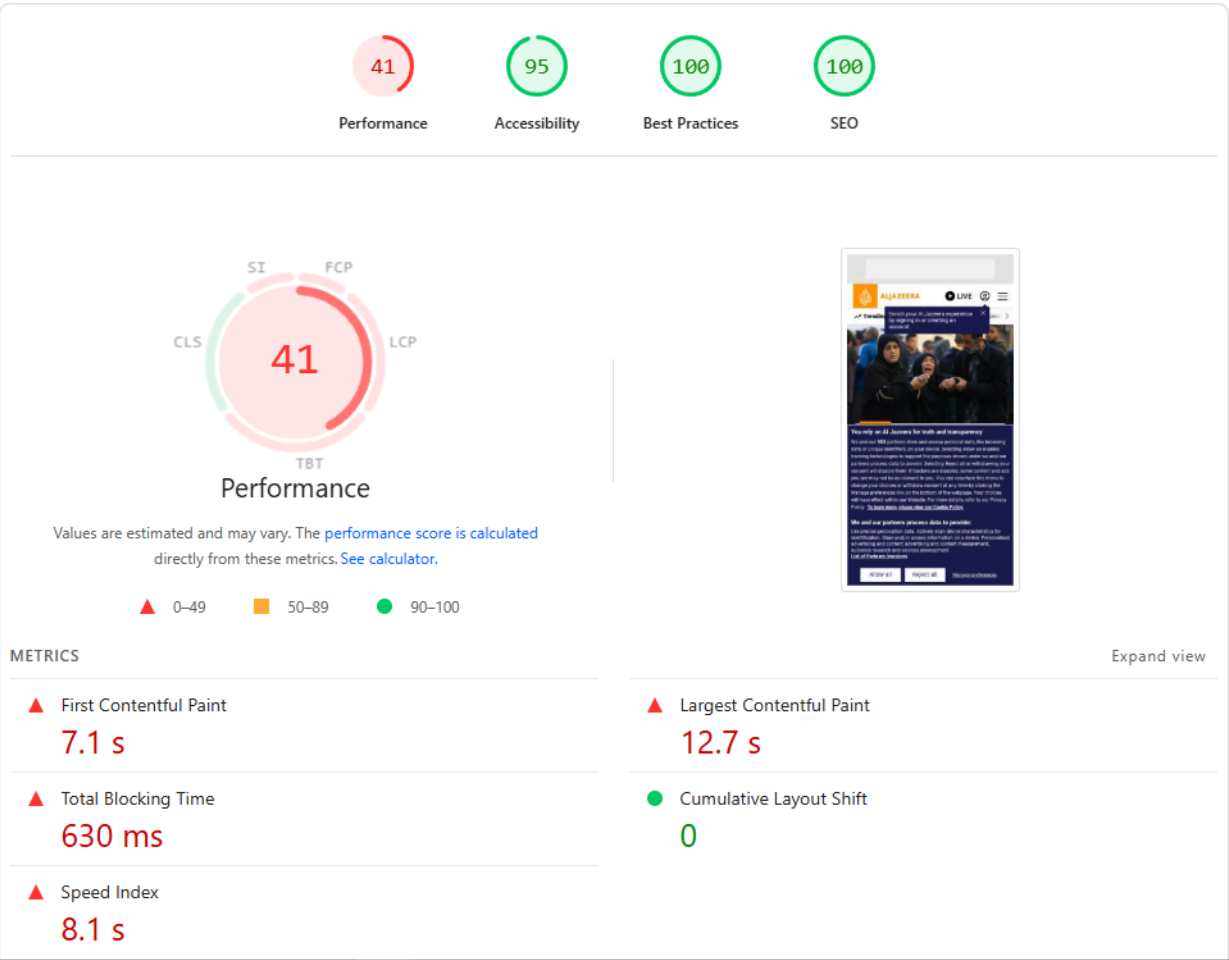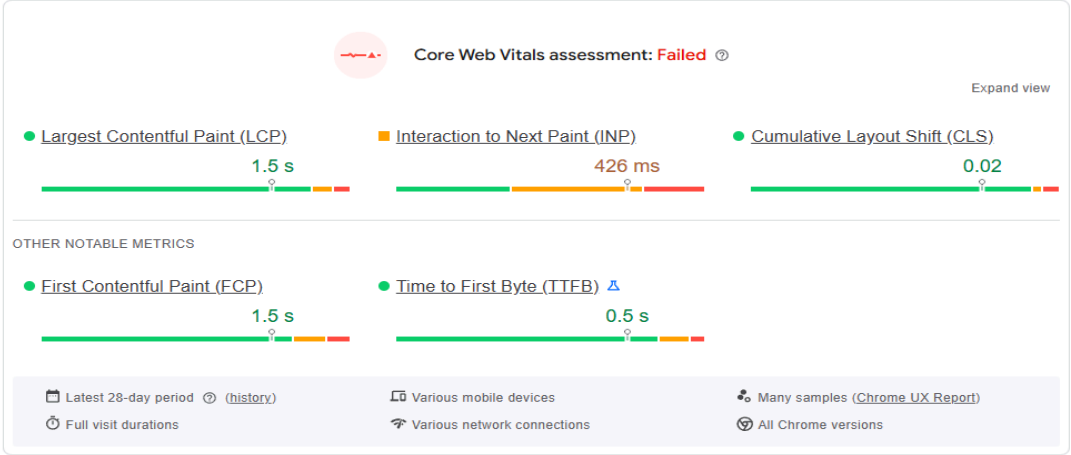https://www.aljazeera.com/   **Analyse**

📱 Mobile   💻 Desktop

👥 Discover what your real users are experiencing | This URL | Origin |

Core Web Vitals assessment: **Failed** ⑦

Expand view

🟢 Largest Contentful Paint (LCP)   🟧 Interaction to Next Paint (INP)   🟢 Cumulative Layout Shift (CLS)

1.5 s   **426 ms**   **0.02**

OTHER NOTABLE METRICS

🟢 First Contentful Paint (FCP)   🟧 Time to First Byte (TTFB) ⚖

1.5 s   **0.5 s**

📅 Latest 28-day period ⑦ (history)   📱 Various mobile devices   ⚙ Many samples (Chrome UX Report)
⏱ Full visit durations   📶 Various network connections   🌐 All Chrome versions

(41) Performance   (95) Accessibility   (100) Best Practices   (100) SEO
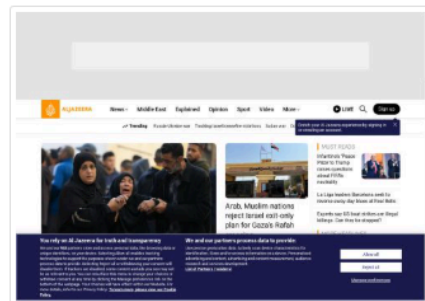
Performance

Values are estimated and may vary. The performance score is calculated
directly from these metrics. See calculator.

▲ 0–49   🟧 50–89   🟢 90–100

METRICS   Expand view

▲ First Contentful Paint   ▲ Largest Contentful Paint
7.1 s   **12.7 s**

▲ Total Blocking Time   🟢 Cumulative Layout Shift
630 ms   **0**

▲ Speed Index
8.1 s

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This URL | Origin

Core Web Vitals assessment: Failed ⊘

Expand view

● Largest Contentful Paint (LCP)
1.2 s

■ Interaction to Next Paint (INP)
212 ms

● Cumulative Layout Shift (CLS)
0.05

OTHER NOTABLE METRICS

● First Contentful Paint (FCP)
1.1 s

● Time to First Byte (TTFB) ⚗
0.4 s

📅 Latest 28-day period ⊘ (history)
⏱ Full visit durations

💻 Various desktop devices
📶 Various network connections

⚙ Many samples (Chrome UX Report)
⊘ All Chrome versions

60
Performance
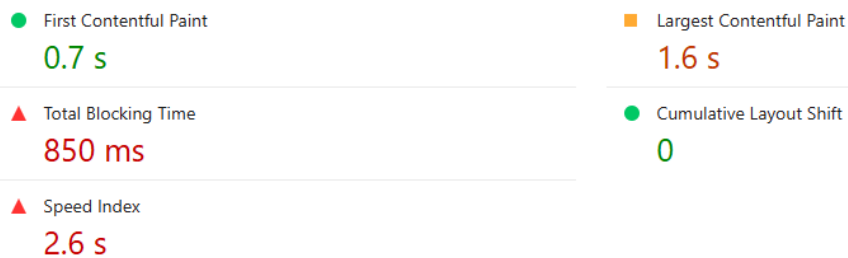
92
Accessibility

73
Best Practices

100
SEO

60
Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0–49   ■ 50–89   ● 90–100

METRICS

Expand view

● First Contentful Paint
0.7 s

■ Largest Contentful Paint
1.6 s

▲ Total Blocking Time
850 ms

● Cumulative Layout Shift
0

▲ Speed Index
2.6 s

91 requests | 1.0 MB transferred | 6.7 MB resources | Finish: 1.03 s | DOMContentLoaded: 610 ms | Load: 766 ms

coursera.org screens

| https://www.coursera.org/ | **Analyse** |

📱 **Mobile**   💻 Desktop

📊 **Discover what your real users are experiencing**   This URL | Origin

〜⊿· **Core Web Vitals assessment: Failed** ⊘

Expand view

🟧 Largest Contentful Paint (LCP)   ▲ Interaction to Next Paint (INP)   🟢 Cumulative Layout Shift (CLS)

3.2 s   656 ms   0.06

OTHER NOTABLE METRICS

🟧 First Contentful Paint (FCP)   ▲ Time to First Byte (TTFB) ⊿

3 s   2.3 s

📅 Latest 28-day period ⊘ (history)   🖵 Various mobile devices   ⊶ Many samples (Chrome UX Report)
⏱ Full visit durations   ⊼ Various network connections   ◉ All Chrome versions

41	97	73	92
Performance	Accessibility	Best Practices	SEO

41

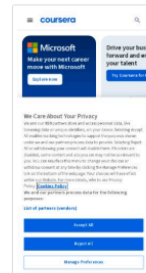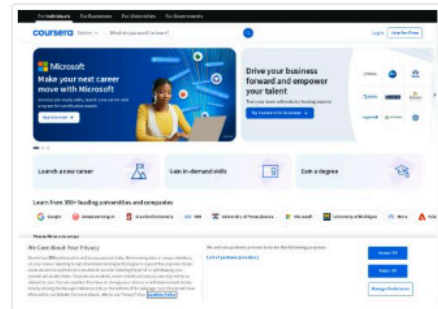### Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0–49　　■ 50–89　　● 90–100

METRICS　　　　　　　　　　　　　　　　　　　　　Expand view

● First Contentful Paint
1.2 s

▲ Largest Contentful Paint
22.5 s

▲ Total Blocking Time
2,760 ms

● Cumulative Layout Shift
0.022

▲ Speed Index
5.9 s

61	97	73	92
Performance	Accessibility	Best Practices	SEO

61

Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0–49   ■ 50–89   ● 90–100

METRICS

Expand view

● First Contentful Paint
0.4 s

■ Largest Contentful Paint
1.4 s

▲ Total Blocking Time
3,360 ms

● Cumulative Layout Shift
0.004

▲ Speed Index
2.3 s

Core Web Vitals assessment: **Failed** ⓘ

Expand view

■ Largest Contentful Paint (LCP)	● Interaction to Next Paint (INP)	● Cumulative Layout Shift (CLS)
3.1 s	169 ms	0.03

OTHER NOTABLE METRICS

■ First Contentful Paint (FCP)	▲ Time to First Byte (TTFB) △
2.9 s	2.6 s

📅 Latest 28-day period ⓘ (history)   🖥 Various desktop devices   ◦• Many samples (Chrome UX Report)

⏱ Full visit durations   📡 Various network connections   🛡 All Chrome versions

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96 requests | 263 kB transferred | 11.3 MB resources | Finish: 3.23 s | DOMContentLoaded: 1.45 s | Load: 2.39 s

⋮   Console   AI assistance