

# Audit Report

```
{
  "lighthouseVersion": "12.6.1",
  "requestedUrl": "https://example.com/",
  "mainDocumentUrl": "https://example.com/",
  "finalDisplayedUrl": "https://example.com/",
  "finalUrl": "https://example.com/",
  "fetchTime": "2025-06-12T13:47:21.292Z",
  "gatherMode": "navigation",
  "runWarnings": [],
  "userAgent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) HeadlessChrome/137.0.0.0 Safari/537.36",
  "environment": {
    "networkUserAgent": "Mozilla/5.0 (Linux; Android 11; moto g power (2022)) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/136.0.0.0 Mobile Safari/537.36",
    "hostUserAgent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) HeadlessChrome/137.0.0.0 Safari/537.36",
    "benchmarkIndex": 1078,
    "credits": {
      "axe-core": "4.10.3"
    }
  },
  "audits": {
    "is-on-https": {
      "id": "is-on-https",
      "title": "Uses HTTPS",
      "description": "All sites should be protected with HTTPS, even ones that don't handle sensitive data. This includes avoiding [mixed content](https://developers.",
      "score": 1,
      "scoreDisplayMode": "binary",
      "details": {
        "type": "table",
        "headings": [],
        "items": []
      }
    },
    "redirects-http": {
      "id": "redirects-http",
      "title": "Redirects HTTP traffic to HTTPS",
      "description": "Make sure that you redirect all HTTP traffic to HTTPS in order to enable secure web features for all your users. [Learn more](https://developer.",
      "score": null,
      "scoreDisplayMode": "notApplicable"
    },
    "viewport": {
      "id": "viewport",
      "title": "Has a `` tag with `width` or `initial-scale`",
      "description": "A `` not only optimizes your app for mobile screen sizes, but also prevents [a 300 millisecond delay to user input](https://developer.chrome.com",
      "score": 1,
      "scoreDisplayMode": "metricSavings",
      "warnings": [],
      "metricSavings": {
        "INP": 0
      },
      "details": {
        "type": "debugdata",
        "viewportContent": "width=device-width, initial-scale=1"
      },
      "guidanceLevel": 3
    },
    "first-contentful-paint": {
      "id": "first-contentful-paint",
      "title": "First Contentful Paint",
      "description": "First Contentful Paint marks the time at which the first text or image is painted. [Learn more about the First Contentful Paint metric](https://",
      "score": 1,
      "scoreDisplayMode": "numeric",
      "numericValue": 902.1714999999999,
      "numericUnit": "millisecond",
      "displayValue": "0.9 s",
      "scoringOptions": {
        "p10": 1800,
        "median": 3000
      }
    },
    "largest-contentful-paint": {
      "id": "largest-contentful-paint",
      "title": "Largest Contentful Paint",
      "description": "Largest Contentful Paint marks the time at which the largest text or image is painted. [Learn more about the Largest Contentful Paint metric](ht",
      "score": 1,
      "scoreDisplayMode": "numeric",
      "numericValue": 902.1714999999999,
      "numericUnit": "millisecond",
      "displayValue": "0.9 s",
      "scoringOptions": {
        "p10": 2500,
        "median": 4000
      }
    },
    "first-meaningful-paint": {
      "id": "first-meaningful-paint",
      "title": "First Meaningful Paint",
      "description": "First Meaningful Paint measures when the primary content of a page is visible. [Learn more about the First Meaningful Paint metric](https://deve",
      "score": null,
      "scoreDisplayMode": "notApplicable"
    },
    "speed-index": {
      "id": "speed-index",
      "title": "Speed Index",
      "description": "Speed Index shows how quickly the contents of a page are visibly populated. [Learn more about the Speed Index metric](https://developer.chrome.c",
      "score": 0.99,
      "scoreDisplayMode": "numeric",
      "numericValue": 2072.489467920399,
      "numericUnit": "millisecond",
      "displayValue": "2.1 s",
      "scoringOptions": {
        "p10": 3387,
        "median": 5800
      }
    },
    "screenshot-thumbnails": {
      "id": "screenshot-thumbnails",
      "title": "Screenshot Thumbnails",
      "description": "This is what the load of your site looked like.",
    }
  }
}
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    "score": 1,
    "scoreDisplayMode": "informative",
    "details": {
      "type": "filmstrip",
      "scale": 3000,
      "items": [
        {
          "timing": 375,
          "timestamp": 555340376439,
          "data": ""
        },
        {
          "timing": 750,
          "timestamp": 555340751439,
          "data": ""
        },
        {
          "timing": 1125,
          "timestamp": 555341126439,
          "data": ""
        },
        {
          "timing": 1500,
          "timestamp": 555341501439,
          "data": ""
        },
        {
          "timing": 1875,
          "timestamp": 555341876439,
          "data": ""
        },
        {
          "timing": 2250,
          "timestamp": 555342251439,
          "data": ""
        },
        {
          "timing": 2625,
          "timestamp": 555342626439,
          "data": ""
        },
        {
          "timing": 3000,
          "timestamp": 555343001439,
          "data": ""
        }
      ]
    },
    "final-screenshot": {
      "id": "final-screenshot",
      "title": "Final Screenshot",
      "description": "The last screenshot captured of the pageload.",
      "score": 1,
      "scoreDisplayMode": "informative",
      "details": {
        "type": "screenshot",
        "timing": 1524,
        "timestamp": 555341525079,
        "data": ""
      }
    },
    "total-blocking-time": {
      "id": "total-blocking-time",
      "title": "Total Blocking Time",
      "description": "Sum of all time periods between FCP and Time to Interactive, when task length exceeded 50ms, expressed in milliseconds. [Learn more about the Total Blocking Time metric](https://developer.chrome.com/docs/lighthouse/performance/timing-metrics/#total-blocking-time)",
      "score": 1,
      "scoreDisplayMode": "numeric",
      "numericValue": 3.5,
      "numericUnit": "millisecond",
      "displayValue": "0 ms",
      "scoringOptions": {
        "p10": 200,
        "median": 600
      }
    },
    "max-potential-fid": {
      "id": "max-potential-fid",
      "title": "Max Potential First Input Delay",
      "description": "The maximum potential first input delay that your users could experience is the duration of the longest task. [Learn more about the Maximum Potential First Input Delay metric](https://developer.chrome.com/docs/lighthouse/performance/timing-metrics/#max-potential-first-input-delay)",
      "score": 0.99,
      "scoreDisplayMode": "numeric",
      "numericValue": 75,
      "numericUnit": "millisecond",
      "displayValue": "80 ms"
    },
    "cumulative-layout-shift": {
      "id": "cumulative-layout-shift",
      "title": "Cumulative Layout Shift",
      "description": "Cumulative Layout Shift measures the movement of visible elements within the viewport. [Learn more about the Cumulative Layout Shift metric](https://developer.chrome.com/docs/lighthouse/performance/timing-metrics/#cumulative-layout-shift)",
      "score": 1,
      "scoreDisplayMode": "numeric",
      "numericValue": 0,
      "numericUnit": "unitless",
      "displayValue": "0",
      "scoringOptions": {
        "p10": 0.1,
        "median": 0.25
      }
    },
    "debug-data": {
      "type": "debugdata",
      "items": [
        {
          "cumulativeLayoutShiftMainFrame": 0,
          "newEngineResult": {
            "cumulativeLayoutShift": 0,
            "cumulativeLayoutShiftMainFrame": 0
          },
          "newEngineResultDiffered": false
        }
      ]
    }
  ],
  "score": 100,
  "scoreDisplayMode": "best-practice",
  "auditRefs": [
    {
      "id": "first-contentful-paint",
      "weight": 10,
      "group": "Painting"
    },
    {
      "id": "largest-contentful-paint",
      "weight": 25,
      "group": "Painting"
    },
    {
      "id": "total-blocking-time",
      "weight": 30,
      "group": "JavaScript Execution"
    },
    {
      "id": "max-potential-fid",
      "weight": 15,
      "group": "Interactivity"
    },
    {
      "id": "cumulative-layout-shift",
      "weight": 25,
      "group": "Visual Stability"
    }
  ],
  "categories": {
    "Performance": {
      "score": 100,
      "scoreDisplayMode": "best-practice"
    },
    "Accessibility": {
      "score": 100,
      "scoreDisplayMode": "best-practice"
    },
    "Best Practices": {
      "score": 100,
      "scoreDisplayMode": "best-practice"
    },
    "SEO": {
      "score": 100,
      "scoreDisplayMode": "best-practice"
    }
  }
}

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},
"errors-in-console": {
  "id": "errors-in-console",
  "title": "Browser errors were logged to the console",
  "description": "Errors logged to the console indicate unresolved problems. They can come from network request failures and other browser concerns. [Learn more about errors in the console]",
  "score": 0,
  "scoreDisplayMode": "binary",
  "details": {
    "type": "table",
    "headings": [
      {
        "key": "sourceLocation",
        "valueType": "source-location",
        "label": "Source"
      },
      {
        "key": "description",
        "valueType": "code",
        "label": "Description"
      }
    ],
    "items": [
      {
        "source": "network",
        "description": "Failed to load resource: the server responded with a status of 404 ()",
        "sourceLocation": {
          "type": "source-location",
          "url": "https://example.com/favicon.ico",
          "urlProvider": "network",
          "line": 0,
          "column": 0
        }
      }
    ]
  }
},
"server-response-time": {
  "id": "server-response-time",
  "title": "Initial server response time was short",
  "description": "Keep the server response time for the main document short because all other requests depend on it. [Learn more about the Time to First Byte metric]",
  "score": 1,
  "scoreDisplayMode": "metricSavings",
  "numericValue": 414.89700000000005,
  "numericUnit": "millisecond",
  "displayValue": "Root document took 410 ms",
  "metricSavings": {
    "FCP": 300,
    "LCP": 300
  },
  "details": {
    "type": "opportunity",
    "headings": [
      {
        "key": "url",
        "valueType": "url",
        "label": "URL"
      },
      {
        "key": "responseTime",
        "valueType": "timespanMs",
        "label": "Time Spent"
      }
    ],
    "items": [
      {
        "url": "https://example.com/",
        "responseTime": 414.89700000000005
      }
    ],
    "overallSavingsMs": 314.89700000000005
  },
  "guidanceLevel": 1
},
"interactive": {
  "id": "interactive",
  "title": "Time to Interactive",
  "description": "Time to Interactive is the amount of time it takes for the page to become fully interactive. [Learn more about the Time to Interactive metric]",
  "score": 1,
  "scoreDisplayMode": "numeric",
  "numericValue": 933.5215,
  "numericUnit": "millisecond",
  "displayValue": "0.9 s"
},
"user-timings": {
  "id": "user-timings",
  "title": "User Timing marks and measures",
  "description": "Consider instrumenting your app with the User Timing API to measure your app's real-world performance during key user experiences. [Learn more about the User Timing API]",
  "score": null,
  "scoreDisplayMode": "notApplicable",
  "details": {
    "type": "table",
    "headings": [],
    "items": []
  },
  "guidanceLevel": 2
},
"critical-request-chains": {
  "id": "critical-request-chains",
  "title": "Avoid chaining critical requests",
  "description": "The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the number of requests, and ensuring that requests are loaded in parallel.",
  "score": null,
  "scoreDisplayMode": "notApplicable",
  "displayValue": "",
  "details": {
    "type": "criticalrequestchain",
    "chains": [
      {
        "BD2D3F213D1F3BCC3A44F330E509BD95": {
          "request": {
            "url": "https://example.com/",
            "startTime": 555340.007288,
            "endTime": 555341.118543,
            "responseReceivedTime": 555341.117119,
            "transferSize": 12288,
            "mimeType": "image/png",
            "status": 200,
            "referrer": "https://example.com/"
          },
          "response": {
            "url": "https://example.com/favicon.ico",
            "startTime": 555340.007288,
            "endTime": 555340.007288,
            "responseReceivedTime": 555340.007288,
            "transferSize": 12288,
            "mimeType": "image/png",
            "status": 200,
            "referrer": "https://example.com/"
          }
        }
      ]
    }
  },
  "guidanceLevel": 1
}
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      "transferSize": 883
    }
  },
  "longestChain": {
    "duration": 1111.2549999952316,
    "length": 1,
    "transferSize": 883
  }
},
"guidanceLevel": 1
},
"redirects": {
  "id": "redirects",
  "title": "Avoid multiple page redirects",
  "description": "Redirects introduce additional delays before the page can be loaded. [Learn how to avoid page redirects](https://developer.chrome.com/docs/lighthouse/avoid-redirects)",
  "score": 1,
  "scoreDisplayMode": "metricSavings",
  "numericValue": 0,
  "numericUnit": "millisecond",
  "displayValue": "",
  "metricSavings": {
    "LCP": 0,
    "FCP": 0
  }
},
"details": {
  "type": "opportunity",
  "headings": [],
  "items": [],
  "overallSavingsMs": 0
},
"guidanceLevel": 2
},
"image-aspect-ratio": {
  "id": "image-aspect-ratio",
  "title": "Displays images with correct aspect ratio",
  "description": "Image display dimensions should match natural aspect ratio. [Learn more about image aspect ratio](https://developer.chrome.com/docs/lighthouse/best-practices/valid-aspect-ratio)",
  "score": 1,
  "scoreDisplayMode": "binary",
  "details": {
    "type": "table",
    "headings": [],
    "items": []
  }
},
"image-size-responsive": {
  "id": "image-size-responsive",
  "title": "Serves images with appropriate resolution",
  "description": "Image natural dimensions should be proportional to the display size and the pixel ratio to maximize image clarity. [Learn how to provide responsive images](https://developer.chrome.com/docs/lighthouse/best-practices/valid-aspect-ratio)",
  "score": 1,
  "scoreDisplayMode": "binary",
  "details": {
    "type": "table",
    "headings": [],
    "items": []
  }
},
"deprecations": {
  "id": "deprecations",
  "title": "Avoids deprecated APIs",
  "description": "Deprecated APIs will eventually be removed from the browser. [Learn more about deprecated APIs](https://developer.chrome.com/docs/lighthouse/best-practices/avoid-deprecated-apis)",
  "score": 1,
  "scoreDisplayMode": "binary",
  "details": {
    "type": "table",
    "headings": [],
    "items": []
  }
},
"third-party-cookies": {
  "id": "third-party-cookies",
  "title": "Avoids third-party cookies",
  "description": "Third-party cookies may be blocked in some contexts. [Learn more about preparing for third-party cookie restrictions](https://privacysandbox.google.com/docs/cookies)",
  "score": 1,
  "scoreDisplayMode": "binary",
  "details": {
    "type": "table",
    "headings": [],
    "items": []
  }
},
"mainthread-work-breakdown": {
  "id": "mainthread-work-breakdown",
  "title": "Minimizes main-thread work",
  "description": "Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this. [Learn how to reduce main-thread work](https://developer.chrome.com/docs/lighthouse/performance/reduce-main-thread-work)",
  "score": 1,
  "scoreDisplayMode": "metricSavings",
  "numericValue": 355.39199999999994,
  "numericUnit": "millisecond",
  "displayValue": "0.4 s",
  "metricSavings": {
    "TBT": 0
  }
},
"details": {
  "type": "table",
  "headings": [
    {
      "key": "groupLabel",
      "valueType": "text",
      "label": "Category"
    },
    {
      "key": "duration",
      "valueType": "ms",
      "granularity": 1,
      "label": "Time Spent"
    }
  ],
  "items": [
    {
      "group": "other",
      "groupLabel": "Other",
      "duration": 355.39199999999994,
      "label": "355.39 ms"
    }
  ]
}
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    "duration": 178.28399999999996
  },
  {
    "group": "styleLayout",
    "groupLabel": "Style & Layout",
    "duration": 149.528
  },
  {
    "group": "scriptEvaluation",
    "groupLabel": "Script Evaluation",
    "duration": 20.772
  },
  {
    "group": "paintCompositeRender",
    "groupLabel": "Rendering",
    "duration": 3.4600000000000001
  },
  {
    "group": "parseHTML",
    "groupLabel": "Parse HTML & CSS",
    "duration": 2.552
  },
  {
    "group": "scriptParseCompile",
    "groupLabel": "Script Parsing & Compilation",
    "duration": 0.796
  }
],
"sortedBy": [
  "duration"
]
},
"guidanceLevel": 1
},
"bootup-time": {
  "id": "bootup-time",
  "title": "JavaScript execution time",
  "description": "Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this. [Learn how to preconnect to required origins]",
  "score": 1,
  "scoreDisplayMode": "metricSavings",
  "numericValue": 17.08,
  "numericUnit": "millisecond",
  "displayValue": "0.0 s",
  "metricSavings": {
    "TBT": 0
  },
  "details": {
    "type": "table",
    "headings": [
      {
        "key": "url",
        "valueType": "url",
        "label": "URL"
      },
      {
        "key": "total",
        "granularity": 1,
        "valueType": "ms",
        "label": "Total CPU Time"
      },
      {
        "key": "scripting",
        "granularity": 1,
        "valueType": "ms",
        "label": "Script Evaluation"
      },
      {
        "key": "scriptParseCompile",
        "granularity": 1,
        "valueType": "ms",
        "label": "Script Parse"
      }
    ],
    "items": [
      {
        "url": "https://example.com/",
        "total": 178.27599999999998,
        "scripting": 10.851999999999997,
        "scriptParseCompile": 0.796
      },
      {
        "url": "Unattributable",
        "total": 172.30400000000003,
        "scripting": 5.432,
        "scriptParseCompile": 0
      }
    ],
    "summary": {
      "wastedMs": 17.08
    },
    "sortedBy": [
      "total"
    ]
  },
  "guidanceLevel": 1
},
"uses-rel-preconnect": {
  "id": "uses-rel-preconnect",
  "title": "Preconnect to required origins",
  "description": "Consider adding `preconnect` or `dns-prefetch` resource hints to establish early connections to important third-party origins. [Learn how to preconnect to required origins]",
  "score": 1,
  "scoreDisplayMode": "metricSavings",
  "numericValue": 0,
  "numericUnit": "millisecond",
  "displayValue": "",
  "warnings": [],
  "metricSavings": {
    "LCP": 0,
    "FCP": 0
  },
  "details": {
    "type": "opportunity",
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    "headings": [],
    "items": [],
    "overallSavingsMs": 0,
    "sortedBy": [
      "wastedMs"
    ]
  },
  "guidanceLevel": 3
},
"font-display": {
  "id": "font-display",
  "title": "All text remains visible during webfont loads",
  "description": "Leverage the `font-display` CSS feature to ensure text is user-visible while webfonts are loading. [Learn more about `font-display`](https://dev",
  "score": 1,
  "scoreDisplayMode": "metricSavings",
  "warnings": [],
  "details": {
    "type": "table",
    "headings": [],
    "items": []
  }
},
"guidanceLevel": 3
},
"diagnostics": {
  "id": "diagnostics",
  "title": "Diagnostics",
  "description": "Collection of useful page vitals.",
  "score": 1,
  "scoreDisplayMode": "informative",
  "details": {
    "type": "debugdata",
    "items": [
      {
        "numRequests": 2,
        "numScripts": 0,
        "numStylesheets": 0,
        "numFonts": 0,
        "numTasks": 136,
        "numTasksOver10ms": 2,
        "numTasksOver25ms": 1,
        "numTasksOver50ms": 0,
        "numTasksOver100ms": 0,
        "numTasksOver500ms": 0,
        "rtt": 319.03499999999997,
        "throughput": 4960674.100124533,
        "maxRtt": 319.03499999999997,
        "maxServerLatency": 62.17149999999998,
        "totalByteWeight": 2354,
        "totalTaskTime": 88.848,
        "mainDocumentTransferSize": 883
      }
    ]
  }
},
"network-requests": {
  "id": "network-requests",
  "title": "Network Requests",
  "description": "Lists the network requests that were made during page load.",
  "score": 1,
  "scoreDisplayMode": "informative",
  "details": {
    "type": "table",
    "headings": [
      {
        "key": "url",
        "valueType": "url",
        "label": "URL"
      },
      {
        "key": "protocol",
        "valueType": "text",
        "label": "Protocol"
      },
      {
        "key": "networkRequestTime",
        "valueType": "ms",
        "granularity": 1,
        "label": "Network Request Time"
      },
      {
        "key": "networkEndTime",
        "valueType": "ms",
        "granularity": 1,
        "label": "Network End Time"
      },
      {
        "key": "transferSize",
        "valueType": "bytes",
        "displayUnit": "kb",
        "granularity": 1,
        "label": "Transfer Size"
      },
      {
        "key": "resourceSize",
        "valueType": "bytes",
        "displayUnit": "kb",
        "granularity": 1,
        "label": "Resource Size"
      },
      {
        "key": "statusCode",
        "valueType": "text",
        "label": "Status Code"
      },
      {
        "key": "mimeType",
        "valueType": "text",
        "label": "MIME Type"
      },
      {
        "key": "resourceType",
        "valueType": "text",

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    "label": "Resource Type"
  }
],
"items": [
  {
    "url": "https://example.com/",
    "sessionTargetType": "page",
    "protocol": "h2",
    "rendererStartTime": 0,
    "networkRequestTime": 3.091999888420105,
    "networkEndTime": 1114.3469998836517,
    "finished": true,
    "transferSize": 883,
    "resourceSize": 1256,
    "statusCode": 200,
    "mimeType": "text/html",
    "resourceType": "Document",
    "priority": "VeryHigh",
    "experimentalFromMainFrame": true,
    "entity": "example.com"
  },
  {
    "url": "https://example.com/favicon.ico",
    "sessionTargetType": "page",
    "protocol": "h2",
    "rendererStartTime": 1180.386999964714,
    "networkRequestTime": 1184.6119998693466,
    "networkEndTime": 1537.0289999246597,
    "finished": true,
    "transferSize": 1471,
    "resourceSize": 1256,
    "statusCode": 404,
    "mimeType": "text/html",
    "resourceType": "Other",
    "priority": "High",
    "experimentalFromMainFrame": true,
    "entity": "example.com"
  }
],
"debugData": {
  "type": "debugdata",
  "networkStartTimeTs": 555340004196.0001
}
},
"network-rtt": {
  "id": "network-rtt",
  "title": "Network Round Trip Times",
  "description": "Network round trip times (RTT) have a large impact on performance. If the RTT to an origin is high, it's an indication that servers closer to the user are overloaded or have poor network connectivity.",
  "score": 1,
  "scoreDisplayMode": "informative",
  "numericValue": 319.03499999999997,
  "numericUnit": "millisecond",
  "displayValue": "320 ms",
  "details": {
    "type": "table",
    "headings": [
      {
        "key": "origin",
        "valueType": "text",
        "label": "URL"
      },
      {
        "key": "rtt",
        "valueType": "ms",
        "granularity": 1,
        "label": "Time Spent"
      }
    ],
    "items": [
      {
        "origin": "https://example.com",
        "rtt": 319.03499999999997
      }
    ],
    "sortedBy": [
      "rtt"
    ]
  }
},
"network-server-latency": {
  "id": "network-server-latency",
  "title": "Server Backend Latencies",
  "description": "Server latencies can impact web performance. If the server latency of an origin is high, it's an indication the server is overloaded or has poor network connectivity.",
  "score": 1,
  "scoreDisplayMode": "informative",
  "numericValue": 62.17149999999998,
  "numericUnit": "millisecond",
  "displayValue": "60 ms",
  "details": {
    "type": "table",
    "headings": [
      {
        "key": "origin",
        "valueType": "text",
        "label": "URL"
      },
      {
        "key": "serverResponseTime",
        "valueType": "ms",
        "granularity": 1,
        "label": "Time Spent"
      }
    ],
    "items": [
      {
        "origin": "https://example.com",
        "serverResponseTime": 62.17149999999998
      }
    ],
    "sortedBy": [
      "serverResponseTime"
    ]
  }
}
```

```

    }
  },
  "main-thread-tasks": {
    "id": "main-thread-tasks",
    "title": "Tasks",
    "description": "Lists the toplevel main thread tasks that executed during page load.",
    "score": 1,
    "scoreDisplayMode": "informative",
    "details": {
      "type": "table",
      "headings": [
        {
          "key": "startTime",
          "valueType": "ms",
          "granularity": 1,
          "label": "Start Time"
        },
        {
          "key": "duration",
          "valueType": "ms",
          "granularity": 1,
          "label": "End Time"
        }
      ],
      "items": [
        {
          "duration": 16.1,
          "startTime": 1123.387
        },
        {
          "duration": 37.424,
          "startTime": 1142.315
        }
      ]
    }
  },
  "metrics": {
    "id": "metrics",
    "title": "Metrics",
    "description": "Collects all available metrics.",
    "score": 1,
    "scoreDisplayMode": "informative",
    "numericValue": 934,
    "numericUnit": "millisecond",
    "details": {
      "type": "debugdata",
      "items": [
        {
          "firstContentfulPaint": 902,
          "largestContentfulPaint": 902,
          "interactive": 934,
          "speedIndex": 2072,
          "totalBlockingTime": 4,
          "maxPotentialFID": 75,
          "cumulativeLayoutShift": 0,
          "cumulativeLayoutShiftMainFrame": 0,
          "timeToFirstByte": 1114,
          "observedTimeOrigin": 0,
          "observedTimeOriginTs": 555340001439,
          "observedNavigationStart": 0,
          "observedNavigationStartTs": 555340001439,
          "observedFirstPaint": 1196,
          "observedFirstPaintTs": 555341197545,
          "observedFirstContentfulPaint": 1196,
          "observedFirstContentfulPaintTs": 555341197545,
          "observedFirstContentfulPaintAllFrames": 1196,
          "observedFirstContentfulPaintAllFramesTs": 555341197545,
          "observedLargestContentfulPaint": 1196,
          "observedLargestContentfulPaintTs": 555341197545,
          "observedLargestContentfulPaintAllFrames": 1196,
          "observedLargestContentfulPaintAllFramesTs": 555341197545,
          "observedTraceEnd": 3916,
          "observedTraceEndTs": 555343917865,
          "observedLoad": 1142,
          "observedLoadTs": 555341143832,
          "observedDomContentLoaded": 1142,
          "observedDomContentLoadedTs": 555341142960,
          "observedCumulativeLayoutShift": 0,
          "observedCumulativeLayoutShiftMainFrame": 0,
          "observedFirstVisualChange": 1196,
          "observedFirstVisualChangeTs": 555341197439,
          "observedLastVisualChange": 1523,
          "observedLastVisualChangeTs": 555341524439,
          "observedSpeedIndex": 1206,
          "observedSpeedIndexTs": 555341207740
        },
        {
          "lcpInvalidated": false
        }
      ]
    }
  },
  "resource-summary": {
    "id": "resource-summary",
    "title": "Resources Summary",
    "description": "Aggregates all network requests and groups them by type",
    "score": 1,
    "scoreDisplayMode": "informative",
    "details": {
      "type": "table",
      "headings": [
        {
          "key": "label",
          "valueType": "text",
          "label": "Resource Type"
        },
        {
          "key": "requestCount",
          "valueType": "numeric",
          "label": "Requests"
        }
      ],
    }
  },

```



```
{
  "key": "transferSize",
  "valueType": "bytes",
  "label": "Transfer Size"
},
"items": [
  {
    "resourceType": "document",
    "label": "Document",
    "requestCount": 1,
    "transferSize": 883
  },
  {
    "resourceType": "total",
    "label": "Total",
    "requestCount": 1,
    "transferSize": 883
  },
  {
    "resourceType": "stylesheet",
    "label": "Stylesheet",
    "requestCount": 0,
    "transferSize": 0
  },
  {
    "resourceType": "image",
    "label": "Image",
    "requestCount": 0,
    "transferSize": 0
  },
  {
    "resourceType": "media",
    "label": "Media",
    "requestCount": 0,
    "transferSize": 0
  },
  {
    "resourceType": "font",
    "label": "Font",
    "requestCount": 0,
    "transferSize": 0
  },
  {
    "resourceType": "script",
    "label": "Script",
    "requestCount": 0,
    "transferSize": 0
  },
  {
    "resourceType": "other",
    "label": "Other",
    "requestCount": 0,
    "transferSize": 0
  },
  {
    "resourceType": "third-party",
    "label": "Third-party",
    "requestCount": 0,
    "transferSize": 0
  }
]
},
"third-party-summary": {
  "id": "third-party-summary",
  "title": "Minimize third-party usage",
  "description": "Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code",
  "score": null,
  "scoreDisplayMode": "notApplicable",
  "metricSavings": {
    "TBT": 0
  },
  "guidanceLevel": 1
},
"third-party-facades": {
  "id": "third-party-facades",
  "title": "Lazy load third-party resources with facades",
  "description": "Some third-party embeds can be lazy loaded. Consider replacing them with a facade until they are required. [Learn how to defer third-parties with facades](https://developer.chrome.com/docs/lighthouse/performance/defer-third-party-embeds/)",
  "score": null,
  "scoreDisplayMode": "notApplicable",
  "metricSavings": {
    "TBT": 0
  },
  "guidanceLevel": 3
},
"largest-contentful-paint-element": {
  "id": "largest-contentful-paint-element",
  "title": "Largest Contentful Paint element",
  "description": "This is the largest contentful element painted within the viewport. [Learn more about the Largest Contentful Paint element](https://developer.chrome.com/docs/lighthouse/performance/measure-lcp/)",
  "score": 1,
  "scoreDisplayMode": "informative",
  "displayValue": "900 ms",
  "metricSavings": {
    "LCP": 0
  },
  "details": {
    "type": "list",
    "items": [
      {
        "type": "table",
        "headings": [
          {
            "key": "node",
            "valueType": "node",
            "label": "Element"
          }
        ],
        "items": [
          {
            "node": {
              "type": "node",
              "valueType": "node",
              "label": "Element"
            }
          }
        ]
      }
    ]
  }
}
```

```
    "lhId": "page-0-P",
    "path": "1,HTML,1,BODY,0,DIV,1,P",
    "selector": "body > div > p",
    "boundingRect": {
      "top": 118,
      "bottom": 202,
      "left": 32,
      "right": 380,
      "width": 348,
      "height": 84
    },
    "snippet": "
",
    "nodeLabel": "This domain is for use in illustrative examples in documents. You may use this ..."
  }
]
},
{
  "type": "table",
  "headings": [
    {
      "key": "phase",
      "valueType": "text",
      "label": "Phase"
    },
    {
      "key": "percent",
      "valueType": "text",
      "label": "% of LCP"
    },
    {
      "key": "timing",
      "valueType": "ms",
      "label": "Timing"
    }
  ],
  "items": [
    {
      "phase": "TTFB",
      "timing": 1114.01,
      "percent": "123%"
    },
    {
      "phase": "Load Delay",
      "timing": 0,
      "percent": "0%"
    },
    {
      "phase": "Load Time",
      "timing": 0,
      "percent": "0%"
    },
    {
      "phase": "Render Delay",
      "timing": -211.83850000000007,
      "percent": "-23%"
    }
  ]
}
],
},
"guidanceLevel": 1
},
{lcp-lazy-loaded": {
  "id": "lcp-lazy-loaded",
  "title": "Largest Contentful Paint image was not lazily loaded",
  "description": "Above-the-fold images that are lazily loaded render later in the page lifecycle, which can delay the largest contentful paint. [Learn more about",
  "score": null,
  "scoreDisplayMode": "notApplicable",
  "metricSavings": {
    "LCP": 0
  },
  "guidanceLevel": 3
},
{
  "layout-shifts": {
    "id": "layout-shifts",
    "title": "Avoid large layout shifts",
    "description": "These are the largest layout shifts observed on the page. Each table item represents a single layout shift, and shows the element that shifted t",
    "score": null,
    "scoreDisplayMode": "notApplicable",
    "metricSavings": {
      "CLS": 0
    },
    "details": {
      "type": "table",
      "headings": [],
      "items": []
    },
    "guidanceLevel": 2
  },
  "long-tasks": {
    "id": "long-tasks",
    "title": "Avoid long main-thread tasks",
    "description": "Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay. [Learn how to avoid long main-thread tasks",
    "score": 1,
    "scoreDisplayMode": "informative",
    "displayValue": "2 long tasks found",
    "metricSavings": {
      "TBT": 0
    },
    "details": {
      "type": "table",
      "headings": [
        {
          "key": "url",
          "valueType": "url",
          "label": "URL"
        },
        {
          "key": "startTime",
```

```
        "valueType": "ms",
        "granularity": 1,
        "label": "Start Time"
    },
    {
        "key": "duration",
        "valueType": "ms",
        "granularity": 1,
        "label": "Duration"
    }
],
"items": [
    {
        "url": "https://example.com/",
        "duration": 75,
        "startTime": 884.1714999999999
    },
    {
        "url": "Unattributable",
        "duration": 64,
        "startTime": 812.1714999999999
    }
],
"sortedBy": [
    "duration"
],
"skipSumming": [
    "startTime"
],
"debugData": {
    "type": "debugdata",
    "urls": [
        "https://example.com/",
        "Unattributable"
    ]
},
"tasks": [
    {
        "urlIndex": 0,
        "startTime": 884.2,
        "duration": 75,
        "other": 75,
        "scriptEvaluation": 0,
        "styleLayout": 0
    },
    {
        "urlIndex": 1,
        "startTime": 812.2,
        "duration": 64,
        "other": 64,
        "scriptEvaluation": 0
    }
]
},
"guidanceLevel": 1
},
"non-composited-animations": {
    "id": "non-composited-animations",
    "title": "Avoid non-composited animations",
    "description": "Animations which are not composited can be janky and increase CLS. [Learn how to avoid non-composited animations](https://developer.chrome.com/d",
    "score": null,
    "scoreDisplayMode": "notApplicable",
    "metricSavings": {
        "CLS": 0
    },
    "details": {
        "type": "table",
        "headings": [],
        "items": []
    },
    "guidanceLevel": 2
},
"unsized-images": {
    "id": "unsized-images",
    "title": "Image elements have explicit `width` and `height`",
    "description": "Set an explicit width and height on image elements to reduce layout shifts and improve CLS. [Learn how to set image dimensions](https://web.dev/",
    "score": 1,
    "scoreDisplayMode": "metricSavings",
    "metricSavings": {
        "CLS": 0
    },
    "details": {
        "type": "table",
        "headings": [],
        "items": []
    },
    "guidanceLevel": 4
},
"valid-source-maps": {
    "id": "valid-source-maps",
    "title": "Page has valid source maps",
    "description": "Source maps translate minified code to the original source code. This helps developers debug in production. In addition, Lighthouse is able to p",
    "score": 1,
    "scoreDisplayMode": "binary",
    "details": {
        "type": "table",
        "headings": [],
        "items": []
    }
},
"prioritize-lcp-image": {
    "id": "prioritize-lcp-image",
    "title": "Preload Largest Contentful Paint image",
    "description": "If the LCP element is dynamically added to the page, you should preload the image in order to improve LCP. [Learn more about preloading LCP elem",
    "score": null,
    "scoreDisplayMode": "notApplicable",
    "metricSavings": {
        "LCP": 0
    },
    "guidanceLevel": 4
},
"csp-xss": {
```

```
"id": "csp-xss",
"title": "Ensure CSP is effective against XSS attacks",
"description": "A strong Content Security Policy (CSP) significantly reduces the risk of cross-site scripting (XSS) attacks. [Learn how to use a CSP to prevent",
"score": 1,
"scoreDisplayMode": "informative",
"details": {
  "type": "table",
  "headings": [
    {
      "key": "description",
      "valueType": "text",
      "subItemsHeading": {
        "key": "description"
      },
      "label": "Description"
    },
    {
      "key": "directive",
      "valueType": "code",
      "subItemsHeading": {
        "key": "directive"
      },
      "label": "Directive"
    },
    {
      "key": "severity",
      "valueType": "text",
      "subItemsHeading": {
        "key": "severity"
      },
      "label": "Severity"
    }
  ],
  "items": [
    {
      "severity": "High",
      "description": "No CSP found in enforcement mode"
    }
  ]
},
"has-hsts": {
  "id": "has-hsts",
  "title": "Use a strong HSTS policy",
  "description": "Deployment of the HSTS header significantly reduces the risk of downgrading HTTP connections and eavesdropping attacks. A rollout in stages, sta",
  "score": 1,
  "scoreDisplayMode": "informative",
  "details": {
    "type": "table",
    "headings": [
      {
        "key": "description",
        "valueType": "text",
        "subItemsHeading": {
          "key": "description"
        },
        "label": "Description"
      },
      {
        "key": "directive",
        "valueType": "code",
        "subItemsHeading": {
          "key": "directive"
        },
        "label": "Directive"
      },
      {
        "key": "severity",
        "valueType": "text",
        "subItemsHeading": {
          "key": "severity"
        },
        "label": "Severity"
      }
    ],
    "items": [
      {
        "severity": "High",
        "description": "No HSTS header found"
      }
    ]
  },
  "origin-isolation": {
    "id": "origin-isolation",
    "title": "Ensure proper origin isolation with COOP",
    "description": "The Cross-Origin-Opener-Policy (COOP) can be used to isolate the top-level window from other documents such as pop-ups. [Learn more about deploy",
    "score": 1,
    "scoreDisplayMode": "informative",
    "details": {
      "type": "table",
      "headings": [
        {
          "key": "description",
          "valueType": "text",
          "subItemsHeading": {
            "key": "description"
          },
          "label": "Description"
        },
        {
          "key": "directive",
          "valueType": "code",
          "subItemsHeading": {
            "key": "directive"
          },
          "label": "Directive"
        },
        {
          "key": "severity",
          "valueType": "text",
          "subItemsHeading": {
            "key": "severity"
          },
          "label": "Severity"
        }
      ],
      "items": [
        {
          "severity": "High",
          "description": "No COOP header found"
        }
      ]
    }
  }
}
```

```
        "key": "severity"
      },
      "label": "Severity"
    }
  ],
  "items": [
    {
      "description": "No COOP header found",
      "severity": "High"
    }
  ]
},
"clickjacking-mitigation": {
  "id": "clickjacking-mitigation",
  "title": "Mitigate clickjacking with XFO or CSP",
  "description": "The `X-Frame-Options` (XFO) header or the `frame-ancestors` directive in the `Content-Security-Policy` (CSP) header control where a page can be loaded from.",
  "score": 1,
  "scoreDisplayMode": "informative",
  "details": {
    "type": "table",
    "headings": [
      {
        "key": "description",
        "valueType": "text",
        "subItemsHeading": {
          "key": "description"
        },
        "label": "Description"
      },
      {
        "key": "severity",
        "valueType": "text",
        "subItemsHeading": {
          "key": "severity"
        },
        "label": "Severity"
      }
    ],
    "items": [
      {
        "severity": "High",
        "description": "No frame control policy found"
      }
    ]
  }
},
"script-treemap-data": {
  "id": "script-treemap-data",
  "title": "Script Treemap Data",
  "description": "Used for treemap app",
  "score": 1,
  "scoreDisplayMode": "informative",
  "details": {
    "type": "treemap-data",
    "nodes": []
  }
},
"accesskeys": {
  "id": "accesskeys",
  "title": "`[accesskey]` values are unique",
  "description": "Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. [Learn more about access keys](https://dequeuniversity.com/tutorial/2.10/accesskeys)",
  "score": null,
  "scoreDisplayMode": "notApplicable"
},
"aria-allowed-attr": {
  "id": "aria-allowed-attr",
  "title": "`[aria-*]` attributes match their roles",
  "description": "Each ARIA `role` supports a specific subset of `aria-*` attributes. Mismatching these invalidates the `aria-*` attributes. [Learn how to match ARIA attributes to roles](https://dequeuniversity.com/tutorial/2.11/roles)",
  "score": null,
  "scoreDisplayMode": "notApplicable"
},
"aria-allowed-role": {
  "id": "aria-allowed-role",
  "title": "Uses ARIA roles only on compatible elements",
  "description": "Many HTML elements can only be assigned certain ARIA roles. Using ARIA roles where they are not allowed can interfere with the accessibility of the document. [Learn more about ARIA roles](https://dequeuniversity.com/tutorial/2.12/roles)",
  "score": null,
  "scoreDisplayMode": "notApplicable"
},
"aria-command-name": {
  "id": "aria-command-name",
  "title": "`button`, `link`, and `menuitem` elements have accessible names",
  "description": "When an element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. [Learn more about accessible names](https://dequeuniversity.com/tutorial/2.13/names)",
  "score": null,
  "scoreDisplayMode": "notApplicable"
},
"aria-conditional-attr": {
  "id": "aria-conditional-attr",
  "title": "ARIA attributes are used as specified for the element's role",
  "description": "Some ARIA attributes are only allowed on an element under certain conditions. [Learn more about conditional ARIA attributes](https://dequeuniversity.com/tutorial/2.14/conditional)",
  "score": null,
  "scoreDisplayMode": "notApplicable"
},
"aria-deprecated-role": {
  "id": "aria-deprecated-role",
  "title": "Deprecated ARIA roles were not used",
  "description": "Deprecated ARIA roles may not be processed correctly by assistive technology. [Learn more about deprecated ARIA roles](https://dequeuniversity.com/tutorial/2.15/deprecated-roles)",
  "score": null,
  "scoreDisplayMode": "notApplicable"
},
"aria-dialog-name": {
  "id": "aria-dialog-name",
  "title": "Elements with `role=\"dialog\"` or `role=\"alertdialog\"` have accessible names.",
  "description": "ARIA dialog elements without accessible names may prevent screen readers users from discerning the purpose of these elements. [Learn how to make dialogs accessible](https://dequeuniversity.com/tutorial/2.16/dialogs)",
  "score": null,
  "scoreDisplayMode": "notApplicable"
},
"aria-hidden-body": {
  "id": "aria-hidden-body",
  "title": "`[aria-hidden=\"true\"]` is not present on the document `body`",
  "description": "Assistive technologies, like screen readers, work inconsistently when `aria-hidden=\"true\"` is set on the document `body`. [Learn how `aria-hidden` affects accessibility](https://dequeuniversity.com/tutorial/2.17/aria-hidden-body)",
  "score": 1,
  "scoreDisplayMode": "informative"
}
```

```
    "scoreDisplayMode": "binary",
    "details": {
      "type": "table",
      "headings": [],
      "items": []
    }
  },
  "aria-hidden-focus": {
    "id": "aria-hidden-focus",
    "title": "`[aria-hidden=true\`] elements do not contain focusable descendents",
    "description": "Focusable descendents within an `[aria-hidden=true\`] element prevent those interactive elements from being available to users of assistive technologies",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-input-field-name": {
    "id": "aria-input-field-name",
    "title": "ARIA input fields have accessible names",
    "description": "When an input field doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-meter-name": {
    "id": "aria-meter-name",
    "title": "ARIA `meter` elements have accessible names",
    "description": "When a meter element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-progressbar-name": {
    "id": "aria-progressbar-name",
    "title": "ARIA `progressbar` elements have accessible names",
    "description": "When a `progressbar` element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-prohibited-attr": {
    "id": "aria-prohibited-attr",
    "title": "Elements use only permitted ARIA attributes",
    "description": "Using ARIA attributes in roles where they are prohibited can mean that important information is not communicated to users of assistive technologies",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-required-attr": {
    "id": "aria-required-attr",
    "title": "`[role]`s have all required `[aria-*]` attributes",
    "description": "Some ARIA roles have required attributes that describe the state of the element to screen readers. [Learn more about roles and required attributes](https://dequeuniversity.com/tutorial/2.2/roles)",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-required-children": {
    "id": "aria-required-children",
    "title": "Elements with an ARIA `[role]` that require children to contain a specific `[role]` have all required children.",
    "description": "Some ARIA parent roles must contain specific child roles to perform their intended accessibility functions. [Learn more about roles and required children](https://dequeuniversity.com/tutorial/2.2/roles)",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-required-parent": {
    "id": "aria-required-parent",
    "title": "`[role]`s are contained by their required parent element",
    "description": "Some ARIA child roles must be contained by specific parent roles to properly perform their intended accessibility functions. [Learn more about ARIA parent roles](https://dequeuniversity.com/tutorial/2.2/roles)",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-roles": {
    "id": "aria-roles",
    "title": "`[role]` values are valid",
    "description": "ARIA roles must have valid values in order to perform their intended accessibility functions. [Learn more about valid ARIA roles](https://dequeuniversity.com/tutorial/2.2/roles)",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-text": {
    "id": "aria-text",
    "title": "Elements with the `role=text` attribute do not have focusable descendents.",
    "description": "Adding `role=text` around a text node split by markup enables VoiceOver to treat it as one phrase, but the element's focusable descendents will still be announced",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-toggle-field-name": {
    "id": "aria-toggle-field-name",
    "title": "ARIA toggle fields have accessible names",
    "description": "When a toggle field doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-tooltip-name": {
    "id": "aria-tooltip-name",
    "title": "ARIA `tooltip` elements have accessible names",
    "description": "When a tooltip element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-treeitem-name": {
    "id": "aria-treeitem-name",
    "title": "ARIA `treeitem` elements have accessible names",
    "description": "When a `treeitem` element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-valid-attr-value": {
    "id": "aria-valid-attr-value",
    "title": "`[aria-*]` attributes have valid values",
    "description": "Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. [Learn more about valid values for ARIA attributes](https://dequeuniversity.com/tutorial/2.2/roles)",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
  "aria-valid-attr": {
    "id": "aria-valid-attr",
    "title": "`[aria-*]` attributes are valid and not misspelled",
    "description": "Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid names. [Learn more about valid ARIA attributes](https://dequeuniversity.com/tutorial/2.2/roles)",
    "score": null,
    "scoreDisplayMode": "notApplicable"
  },
}
```

```

"button-name": {
  "id": "button-name",
  "title": "Buttons have an accessible name",
  "description": "When a button doesn't have an accessible name, screen readers announce it as \"button\", making it unusable for users who rely on screen readers",
  "score": null,
  "scoreDisplayMode": "notApplicable"
},
"bypass": {
  "id": "bypass",
  "title": "The page contains a heading, skip link, or landmark region",
  "description": "Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. [Learn more about bypass blocks](https://dequeuniversity.com) ",
  "score": null,
  "scoreDisplayMode": "notApplicable"
},
"color-contrast": {
  "id": "color-contrast",
  "title": "Background and foreground colors have a sufficient contrast ratio",
  "description": "Low-contrast text is difficult or impossible for many users to read. [Learn how to provide sufficient color contrast](https://dequeuniversity.com) ",
  "score": 1,
  "scoreDisplayMode": "binary",
  "details": {
    "type": "table",
    "headings": [],
    "items": []
  }
},
"definition-list": {
  "id": "definition-list",
  "title": ""
}
}

`s contain only properly-ordered `
` and `
` groups, `

```