



Performance Report for: https://stet-web-sih2020.herokuapp.com/

Report generated: Sun, Aug 2, 2020 10:03 PM -0700

Test Server Region: Vancouver, Canada

Using: Chrome (Desktop) 75.0.3770.100, PageSpeed 1.15-gt1.3, YSlow 3.1.8

PageSpeed Score

D(61%) ▼

YSlow Score

C(72%) ◆

Fully Loaded Time

2.4s ▲

Total Page Size

771KB ▲

Requests

21 ▲

Top 5 Priority Issues

Enable compression	F (0)	▼ AVG SCORE: 89%	SERVER	HIGH
Serve scaled images	F (0)	▼ AVG SCORE: 70%	IMAGES	HIGH
Optimize images	F (23)	▼ AVG SCORE: 74%	IMAGES	HIGH
Serve resources from a consistent URL	C (78)	▼ AVG SCORE: 90%	CONTENT	HIGH
Leverage browser caching	C (79)	▲ AVG SCORE: 65%	SERVER	HIGH

How does this affect me?

Studies show that users leave a site if it hasn't loaded in 4 seconds; keep your users happy and engaged by providing a fast performing website.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**

About GTmetrix

We can help you develop a faster, more efficient, and all-around improved website experience for your users. We use Google PageSpeed and Yahoo! YSlow to grade your site's performance and provide actionable recommendations to fix these issues.

About the Developer

CARBON60
THE MANAGED CLOUD COMPANY

GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 24 years experience in web technology.

<https://carbon60.com/>

What do these grades mean?

This report is an analysis of your site with Google and Yahoo!'s metrics for how to best develop a site for optimized speed. The **grades you see represent** how well the scanned URL adheres to those rules.

Lower grades (C or lower) mean that the page can stand to be faster using better practices and optimizing your settings.

What's in this report?

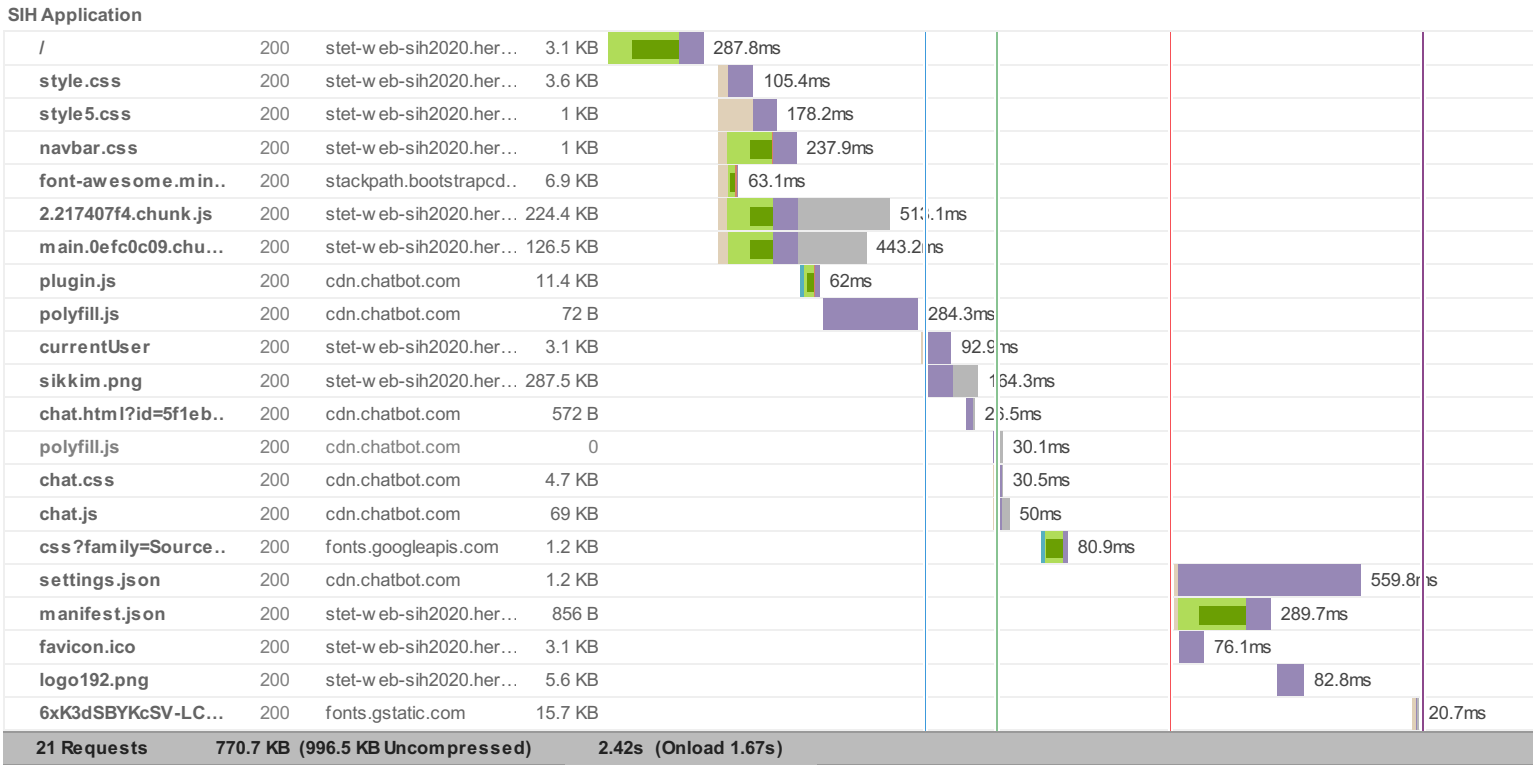
This report covers basic to technical analyses on your page. It is categorized under many headings:

- **Executive:** Overall score information and Priority Issues
- **History:** Graphed history of past performance
- **Waterfall:** Graph of your site's loading timeline
- **Technical:** In-depth PageSpeed & YSlow information

These will provide you with a snapshot of your performance.

Waterfall Chart

The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.



PageSpeed Recommendations

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Enable compression	F (0)	▼ AVG SCORE: 89%	SERVER	HIGH

Enable compression for the following resources to reduce their transfer size by 272.6KiB (74% reduction).

- Compressing <https://stet-web-sih2020.herokuapp.com/static/js/2.217407f4.chunk.js> could save 156.0KiB (69% reduction).
- Compressing <https://stet-web-sih2020.herokuapp.com/static/js/main.0efc0c09.chunk.js> could save 108.9KiB (86% reduction).
- Compressing <https://stet-web-sih2020.herokuapp.com/style.css> could save 2.0KiB (62% reduction).
- Compressing <https://stet-web-sih2020.herokuapp.com/> could save 1.5KiB (52% reduction).
- Compressing <https://stet-web-sih2020.herokuapp.com/api/details/currentUser> could save 1.5KiB (52% reduction).
- Compressing <https://stet-web-sih2020.herokuapp.com/favicon.ico> could save 1.5KiB (52% reduction).
- Compressing <https://stet-web-sih2020.herokuapp.com/style5.css> could save 417B (58% reduction).
- Compressing <https://stet-web-sih2020.herokuapp.com/navbar.css> could save 356B (51% reduction).
- Compressing <https://cdn.chatbot.com/widget/chat.html?id=5f1ebf1974b9c20007baec52&v=631> could save 269B (48% reduction).
- Compressing <https://stet-web-sih2020.herokuapp.com/manifest.json> could save 242B (50% reduction).

Serve scaled images	F (0)	▼ AVG SCORE: 70%	IMAGES	HIGH
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The following images are resized in HTML or CSS. Serving scaled images could save 264.8KiB (92% reduction).

- <https://stet-web-sih2020.herokuapp.com/sikkim.png> is resized in HTML or CSS from 800x716 to 223x200. Serving a scaled image could save 264.8KiB (92% reduction).

Optimize images	F (23)	▼ AVG SCORE: 74%	IMAGES	HIGH
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Optimize the following images to reduce their size by 101.3KiB (36% reduction).

- Losslessly compressing <https://stet-web-sih2020.herokuapp.com/sikkim.png> could save 101.3KiB (36% reduction). See [optimized version](#).

Serve resources from a consistent URL	C (78)	▼ AVG SCORE: 90%	CONTENT	HIGH
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The following resources have identical contents, but are served from different URLs. Serve these resources from a consistent URL to save 2 request(s) and 5.6KiB.

- <https://stet-web-sih2020.herokuapp.com/>
- <https://stet-web-sih2020.herokuapp.com/api/details/currentUser>
- <https://stet-web-sih2020.herokuapp.com/favicon.ico>

Leverage browser caching	C (79)	▲ AVG SCORE: 65%	SERVER	HIGH
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Leverage browser caching for the following cacheable resources:

- <https://cdn.chatbot.com/widget/5f1ebf1974b9c20007baec52/settings.json> (30 seconds)
- <https://cdn.chatbot.com/widget/chat.css> (1 hour)
- <https://cdn.chatbot.com/widget/chat.js> (1 hour)
- <https://cdn.chatbot.com/widget/plugin.js> (1 hour)
- <https://cdn.chatbot.com/widget/polyfill.js> (1 hour)

Avoid CSS @import

A (92)

AVG SCORE: 98%

CSS

MEDIUM

The following external stylesheets were included in <https://cdn.chatbot.com/widget/chat.css> using @import.

- <https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,600,700>

Specify a cache validator

A (98)

AVG SCORE: 96%

SERVER

HIGH

The following resources are missing a cache validator. Resources that do not specify a cache validator cannot be refreshed efficiently. Specify a Last-Modified or ETag header to enable cache validation for the following resources:

- <https://cdn.chatbot.com/widget/polyfill.js>

Minify CSS

A (99)

AVG SCORE: 96%

CSS

HIGH

Minify CSS for the following resources to reduce their size by 1.5KiB (13% reduction).

- Minifying <https://stet-web-sih2020.herokuapp.com/style.css> could save 1.0KiB (32% reduction). See [optimized version](#).
- Minifying <https://stet-web-sih2020.herokuapp.com/navbar.css> could save 209B (31% reduction). See [optimized version](#).
- Minifying <https://stet-web-sih2020.herokuapp.com/style5.css> could save 127B (18% reduction). See [optimized version](#).
- Minifying <https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css> could save 101B (2% reduction) after compression. See [optimized version](#).
- Minifying <https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,600,700> could save 60B (8% reduction) after compression. See [optimized version](#).

Minify JavaScript

A (99)

AVG SCORE: 91%

JS

HIGH

Minify JavaScript for the following resources to reduce their size by 374B (1% reduction).

- Minifying <https://stet-web-sih2020.herokuapp.com/manifest.json> could save 135B (28% reduction). See [optimized version](#).
- Minifying <https://stet-web-sih2020.herokuapp.com/static/js/2.217407f4.chunk.js> could save 119B (1% reduction). See [optimized version](#).
- Minifying <https://cdn.chatbot.com/widget/polyfill.js> could save 72B (100% reduction). See [optimized version](#).
- Minifying <https://stet-web-sih2020.herokuapp.com/static/js/main.0efc0c09.chunk.js> could save 48B (1% reduction). See [optimized version](#).

Specify image dimensions

A (99)

AVG SCORE: 98%

IMAGES

MEDIUM

The following image(s) are missing width and/or height attributes.

- <https://stet-web-sih2020.herokuapp.com/sikkim.png> (Dimensions: 800 x 716)

Avoid bad requests

A (100)

AVG SCORE: 98%

CONTENT

HIGH

You scored 100% on this recommendation - nothing to do here!

Avoid landing page redirects

A (100)

AVG SCORE: 98%

SERVER

HIGH

You scored 100% on this recommendation - nothing to do here!

Defer parsing of JavaScript

A (100)



AVG SCORE: 72%

JS

HIGH

You scored 100% on this recommendation - nothing to do here!

Enable Keep-Alive

A (100)



AVG SCORE: 99%

SERVER

HIGH

You scored 100% on this recommendation - nothing to do here!

Inline small CSS

A (100)



AVG SCORE: 99%

CSS

HIGH

You scored 100% on this recommendation - nothing to do here!

Inline small JavaScript

A (100)



AVG SCORE: 99%

JS

HIGH

You scored 100% on this recommendation - nothing to do here!

Minimize redirects

A (100)



AVG SCORE: 88%

CONTENT

HIGH

You scored 100% on this recommendation - nothing to do here!

Minimize request size

A (100)



AVG SCORE: 99%

CONTENT

HIGH

You scored 100% on this recommendation - nothing to do here!

Put CSS in the document head

A (100)



AVG SCORE: 100%

CSS

HIGH

You scored 100% on this recommendation - nothing to do here!

Combine images using CSS sprites

A (100)



AVG SCORE: 98%

IMAGES

HIGH

You scored 100% on this recommendation - nothing to do here!

Prefer asynchronous resources

A (100)



AVG SCORE: 100%

JS

MEDIUM

You scored 100% on this recommendation - nothing to do here!

Specify a character set early

A (100)



AVG SCORE: 100%

CONTENT

MEDIUM

You scored 100% on this recommendation - nothing to do here!

Avoid a character set in the meta tag

A (100)



AVG SCORE: 100%

CONTENT

LOW

You scored 100% on this recommendation - nothing to do here!



YSlow Recommendations

RECOMMENDATION	GRADE	RELATIVE	TYPE	PRIORITY
Add Expires headers	F (0)	▼ AVG SCORE: 30%	SERVER	HIGH
There are 11 static components without a far-future expiration date.				
<ul style="list-style-type: none">https://stet-web-sih2020.herokuapp.com/style.csshttps://stet-web-sih2020.herokuapp.com/style5.csshttps://stet-web-sih2020.herokuapp.com/navbar.csshttps://stet-web-sih2020.herokuapp.com/static/js/2.217407f4.chunk.jshttps://stet-web-sih2020.herokuapp.com/static/js/main.0efc0c09.chunk.jshttps://cdn.chatbot.com/widget/plugin.jshttps://cdn.chatbot.com/widget/polyfill.jshttps://stet-web-sih2020.herokuapp.com/sikkim.pnghttps://cdn.chatbot.com/widget/chat.csshttps://cdn.chatbot.com/widget/chat.jshttps://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,600,700				
Compress components	F (12)	▼ AVG SCORE: 90%	SERVER	HIGH
There are 8 plain text components that should be sent compressed				
<ul style="list-style-type: none">https://stet-web-sih2020.herokuapp.com/https://stet-web-sih2020.herokuapp.com/style.csshttps://stet-web-sih2020.herokuapp.com/style5.csshttps://stet-web-sih2020.herokuapp.com/navbar.csshttps://stet-web-sih2020.herokuapp.com/static/js/2.217407f4.chunk.jshttps://stet-web-sih2020.herokuapp.com/static/js/main.0efc0c09.chunk.jshttps://stet-web-sih2020.herokuapp.com/api/details/currentUserhttps://cdn.chatbot.com/widget/chat.html?id=5f1ebf1974b9c20007baec52&v=631				
Use a Content Delivery Network (CDN)	F (40)	▲ AVG SCORE: 32%	SERVER	MEDIUM
Using a CDN YSlow doesn't recognize? Specify your CDNs in your User Settings .				
There are 6 static components that are not on CDN.				
<ul style="list-style-type: none">https://stet-web-sih2020.herokuapp.com/style.csshttps://stet-web-sih2020.herokuapp.com/style5.csshttps://stet-web-sih2020.herokuapp.com/navbar.csshttps://stet-web-sih2020.herokuapp.com/static/js/2.217407f4.chunk.jshttps://stet-web-sih2020.herokuapp.com/static/js/main.0efc0c09.chunk.jshttps://stet-web-sih2020.herokuapp.com/sikkim.png				
Make fewer HTTP requests	A (93)	▲ AVG SCORE: 74%	CONTENT	HIGH
This page has 6 external stylesheets. Try combining them into fewer stylesheets.				
Minify JavaScript and CSS	A (100)	▲ AVG SCORE: 71%	CSS/JS	MEDIUM
You scored 100% on this recommendation - nothing to do here!				
Avoid URL redirects	A (100)	▲ AVG SCORE: 87%	CONTENT	MEDIUM

You scored 100% on this recommendation - nothing to do here!

Make AJAX cacheable

A (100)

◆ AVG SCORE: 100%

JS

MEDIUM

You scored 100% on this recommendation - nothing to do here!

Remove duplicate JavaScript and CSS

A (100)

◆ AVG SCORE: 100%

CSS/JS

MEDIUM

You scored 100% on this recommendation - nothing to do here!

Avoid AlphanameLoader filter

A (100)

◆ AVG SCORE: 99%

CSS

MEDIUM

You scored 100% on this recommendation - nothing to do here!

Avoid HTTP 404 (Not Found) error

A (100)

◆ AVG SCORE: 98%

CONTENT

MEDIUM

You scored 100% on this recommendation - nothing to do here!

Reduce the number of DOM elements

A (100)

▲ AVG SCORE: 90%

CONTENT

LOW

You scored 100% on this recommendation - nothing to do here!

Use cookie-free domains

A (100)

▲ AVG SCORE: 56%

COOKIE

LOW

You scored 100% on this recommendation - nothing to do here!

Use GET for AJAX requests

A (100)

◆ AVG SCORE: 100%

JS

LOW

You scored 100% on this recommendation - nothing to do here!

Avoid CSS expressions

A (100)

◆ AVG SCORE: 99%

CSS

LOW

You scored 100% on this recommendation - nothing to do here!

Reduce DNS lookups

A (100)

▲ AVG SCORE: 72%

CONTENT

LOW

- stet-web-sih2020.herokuapp.com: 11 components, 671.7K
- stackpath.bootstrapcdn.com: 1 component, 31.0K (7.0K GZip)
- cdn.chatbot.com: 6 components, 290.7K (88.4K GZip)
- fonts.googleapis.com: 1 component, 10.6K (1.2K GZip)

Reduce cookie size

A (100)

◆ AVG SCORE: 100%

COOKIE

LOW

You scored 100% on this recommendation - nothing to do here!

Make favicon small and cacheable

A (100)

AVG SCORE: 100%

IMAGES

LOW

You scored 100% on this recommendation - nothing to do here!

Configure entity tags (ETags)

A (100)

AVG SCORE: 96%

SERVER

LOW

You scored 100% on this recommendation - nothing to do here!

Make JavaScript and CSS external

(n/a)

CSS/JS

MEDIUM

Only consider this if your property is a common user home page.

- There is a total of 2 inline scripts