(/)

0x01. Developer tools

- Specializations Web Stack programming Front-end
- ▲ by David Dias, Senior Software Engineer at HomeX
- ∰ Ongoing project started 12-08-2020, must end by 12-10-2020 (in 1 day) you're done with 0% of tasks.
- ◆ Checker will be released at 12-09-2020 12:00 AM
- Manual QA review must be done (request it when you are done with the project)
- QA review fully automated.
- audits chrome devtools



In this project, you will analyze this website https://dev-tools.hbtn.info/ (/rltoken/Lwnv01iLnS6OuT1vIDCclg).

Resources

Read or watch:

- Chrome DevTools | Tools for Web Developers | Google Developers (/rltoken/82GJvQ5DlwfcYRNuHWOGFA)
- Introduction | Down and Dirty with Chrome Developer Tools (/rltoken/vNCYSZZ A7JZ6F3Nv91KxA)
- Firefox Developer Tools | MDN (/rltoken/zZQbDVkJ3zeeaM-3zTf8Dw)
- Dev Tips Developer Tips by Umar Hansa (/rltoken/soaR8Gq7OL4w48rZe2bakQ)
- Get Started With Viewing And Changing CSS | Tools for Web Developers (/rltoken/RA0zyadwvl60moVYMDp-3Q)



- Keeping it simple with the JavaScript console LogRocket Blog (/rltoken/ePHot6ZwOgXG6Cynq3E -g)
- Inspect Network Activity Chrome DevTools 101 (/rltoken/hv47k9yKKsyoG2AEL73Ajw)

Learning Objectives

At the end of this project, you are expected to be able to explain to anyone (/rltoken/nzkhF5PuySCUEel0bUOw-Q), without the help of Google:

General

- What Developer Tools in your browser are
- How to open the Developer Tools on Chrome, Firefox, Safari, and Edge.
- · How to use the elements tab to edit HTML and CSS
- How to audit a page according to the tips suggested by Lighthouse
- How to create and run snippets on a page
- · How to get information about files and server configurations
- How to block requests
- How to know how much JavaScript or CSS is used on a page
- How to detect 404 issues
- How to move elements on a webpage

Requirements

General

- A README.md file, at the root of the folder of the project, is mandatory
- Use the newest version of Google Chrome browser (78.0.3904.70 or later).
- Screenshots can be taken via the OS, not necessary via the DevTools. These screenshots are used to see how and where you are doing/playing with the DevTools.

Tasks

Q

0. Responsive device

mandatory

Go to https://dev-tools.hbtn.info/

Take a screenshot of the website using the device toolbar Choose iPhone X and show the size in your screenshot (selected device or size in pixel of the rendering)



Repo:

- GitHub repository: holbertonschool-web_front_end
- Directory: 0x01-developer_tools
- File: 0-responsive device.png

1. Change the background color

mandatory

Go to https://dev-tools.hbtn.info/

Change the background-color of the body to use #4233bd Take a screenshot of the PORTFOLIO section



Repo:

- GitHub repository: holbertonschool-web front end
- Directory: 0x01-developer_tools
- File: 1-change_bg_color.png

2. Force element state

mandatory

Go to https://dev-tools.hbtn.info/

Force the hover state of the "cake" block in the section Portfolio Take a screenshot of it



Repo:

- GitHub repository: holbertonschool-web front end
- Directory: 0x01-developer tools
- File: 2-pathways_menu.png

3. Copy all the styles of the button

mandatory

Go to https://dev-tools.hbtn.info/

Select the Download me! and copy all the CSS styling that is applied on this button.

Your answer file must contain all CSS styling one per line like this example:



Q

```
$ head -2 3-button_styles
border-radius: 1px;
color: #FF00FF;
$
```

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer_tools

• File: 3-button_styles

4. Change button styles

mandatory

Go to https://dev-tools.hbtn.info/

- All primary buttons (btn-primary) should have the #0080ee color as a background color
- All outlined buttons light (btn-outline-light) should have #0020aa for the text color
- Screenshot all buttons that changed and merge it to one image

Repo:

- GitHub repository: holbertonschool-web_front_end
- Directory: 0x01-developer_tools
- File: 4-new_buttons.png

5. Remove part of the website mandatory

Go to https://dev-tools.hbtn.info/

Remove the div of the "cake" box in the section Portfolio

Take a screenshot of it

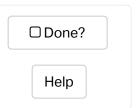
Repo:

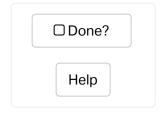
- GitHub repository: holbertonschool-web front end
- Directory: 0x01-developer_tools
- File: 5-deleted_elements.png

6. Where is it coming from? mandatory

Go to https://dev-tools.hbtn.info/

- On the right panel, click on the Computed tab
- Then, select the h2 width the text ABOUT







• Search for margin-bottom

Which file is coming from that declaration?

Repo:

- GitHub repository: holbertonschool-web_front_end
- Directory: 0x01-developer_tools
- File: 6-declaration file

7. How many listeners

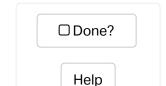
mandatory

Go to https://dev-tools.hbtn.info/

How many times click events are referenced in JavaScript files?

Repo:

- GitHub repository: holbertonschool-web_front_end
- Directory: 0x01-developer tools
- File: 7-number of listeners



☐ Done?

Help

8. What is the HSL code

mandatory

Go to https://dev-tools.hbtn.info/

Select the primary button "Send"

What is the equivalent value of the hexadecimal background-color, in HSL?

(format of your answer should be: hsl(<VALUES>); , example: hsl(241, 23%, 24%); following by a new line)

Repo:

- GitHub repository: holbertonschool-web front end
- Directory: 0x01-developer_tools
- File: 8-hs1

9. The max-width of the container

mandatory

Go to https://dev-tools.hbtn.info/

What is the max-width for the first .container in the section "About"? (your browser width must be between 1250px and 1440px and with a zoom at 100%)

(format of your answer should be max-width: <VALUE>; , example: max-width: 670px)

□ Done?

Q

Repo:

• GitHub repository: holbertonschool-web front end

• Directory: 0x01-developer_tools

• File: 9-max width

10. Moving around

mandatory

Go to https://dev-tools.hbtn.info/

Switch the section "About" and "Portfolio"

Take a screenshot of it

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer_tools

• File: 10-moved_around.png

11. Coverage

mandatory

Go to https://dev-tools.hbtn.info/

How many bytes that freelancer.css covers?

Answer file must contain the value in Byte (example: 6144 for 6KB)

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer tools

• File: 11-coverage

12. Emulate the print version of the webpage

mandatory

Go to https://dev-tools.hbtn.info/

Take a screenshot of the homepage, only emulation the CSS print version of the website.

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer tools

• File: 12-print_version.png





Help



Help



13. Using the console mandatory

Go to https://dev-tools.hbtn.info/

Select the Avatar image in the header and type \$0 in the console. Enter.

What does it return?

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer tools

• File: 13-logo_dollar0

14. Write code in the console

mandatory

Go to https://dev-tools.hbtn.info/

Write in the console console.log(document.title), what is returned?

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer_tools

• File: 14-doc title

15. Holberton web framework

mandatory

Go to https://dev-tools.hbtn.info/

Which front-end framework could we guess this page is using?

In your answer file only put the letter of the multiple choice answer from below:

- A. React JS
- · B. Material Design
- · C. Bootstrap
- D. Angular JS

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer tools

• File: 15-hbtn_framework

mandatory

Go to https://dev-tools.hbtn.info/

16. Homepage weight





Help



Help



What is the total weight of the page (with all the elements)?

Take a screenshot of it

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer_tools

File: 16-weight.png



17. Number of requests mandatory

Go to https://dev-tools.hbtn.info/

•

What is the number of requests done when accessing this page?

Take a screenshot of it

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer_tools

• File: 17-requests.png



18. Number of CSS files

mandatory

Go to https://dev-tools.hbtn.info/

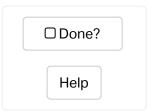
How many CSS resources are loaded on this page?

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer_tools

• File: 18-css_loaded



19. Number of images

mandatory

Go to https://dev-tools.hbtn.info/

How many image resources are loaded on this page?

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer_tools

• File: 19-images_loaded





20. Favicon image type mandatory

Go to https://dev-tools.hbtn.info/

What is the type value of the favicon image?

☐ Done? Help

Repo:

- GitHub repository: holbertonschool-web front end
- Directory: 0x01-developer_tools
- File: 20-favicon_type

21. Font library mandatory

Go to https://dev-tools.hbtn.info/

Holberton School website uses a font library for their icons, which one is it?



Repo:

- GitHub repository: holbertonschool-web_front_end
- Directory: 0x01-developer tools
- File: 21-hbtn_font_lib

22. XHR calls mandatory

Go to https://dev-tools.hbtn.info/

What is the name of the resource that generates 1 XHR calls?

☐ Done? Help

Repo:

- GitHub repository: holbertonschool-web_front_end
- Directory: 0x01-developer_tools
- File: 22-xhr_calls

23. Audits panel mandatory

Go to https://dev-tools.hbtn.info/

What is the notation for Performance (for desktop mode and no throttling - also called Lighthouse)?

Take a screenshot of it

☐ Done? Help

Repo:

• GitHub repository: holbertonschool-web front end



 Directory: 0x01-developer_tools • File: 23-performance audit.png

24. Static assets mandatory

Go to https://dev-tools.hbtn.info/

How many static assets need a better cache policy?

Take a screenshot of it

Repo:

• GitHub repository: holbertonschool-web front end

• Directory: 0x01-developer tools

• File: 24-static_assets_audit.png

25. Accessibility mandatory

Go to https://dev-tools.hbtn.info/

When you run an accessibility audit, what is the contrast issue?

In your answer file only put the letter of the multiple choice answer from below:

- A. Image elements do not have [alt] attributes
- B. Links do not have a discernible name
- C. Background and foreground colors do not have a sufficient contrast ratio.

Repo:

• GitHub repository: holbertonschool-web front end

• Directory: 0x01-developer_tools

• File: 25-contrast issue

26. No alt mandatory

Go to https://dev-tools.hbtn.info/

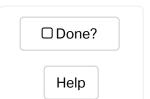
Which classes are on the images that have no alt attribute?

Your answer file must contains all classes, example: .my class.my second if 2 classes

Repo:

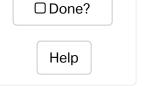
- GitHub repository: holbertonschool-web_front_end
- Directory: 0x01-developer tools

• File: 26-no alt





Help





27. Best practices

mandatory

Go to https://dev-tools.hbtn.info/

Which attribute is missing on all the links with the target _blank?

In your answer file only put the letter of the multiple choice answer from below:

- A. rel="noopener"
- B. rel="noreferrer"
- · C. A and B
- D. rel = "nofollow"

Repo:

- GitHub repository: holbertonschool-web front end
- Directory: 0x01-developer tools
- File: 27-missing_attr



Go to https://dev-tools.hbtn.info/

Which link has text that is not descriptive enough?

Take a screenshot of it

Repo:

- GitHub repository: holbertonschool-web front end
- Directory: 0x01-developer_tools
- File: 28-unclear_desc.png

29. Sources mandatory

Go to https://dev-tools.hbtn.info/

The sources panel allow you to edit files, add breakpoints to analyse your JavaScript code and create snippets.

- Create a new snippet called allcolors.js
- Copy-paste the code on that page (/rltoken/ccMzjlTVdz6w6lxBfJdElQ)
- Run the code
- Take a screenshot of the result in your console

Repo:

- GitHub repository: holbertonschool-web_front_end
- Directory: 0x01-developer_tools
- File: 29-how_many_colors.png









30. Block CSS files

mandatory

Go to https://dev-tools.hbtn.info/

Block all CSS requests

Take a screenshot of it

□ Done?

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer tools

• File: 30-no_css.png

31. Application panel

mandatory

Go to https://dev-tools.hbtn.info/

The application panel gives you access to the storage (cookies, sessions, cache...) and some other options as Services Workers and more recently, notifications.

What is the only key present in the session storage for this page?



Repo:

• GitHub repository: holbertonschool-web front end

• Directory: 0x01-developer tools

• File: 31-session_storage_key

32. Service workers

mandatory

Go to https://dev-tools.hbtn.info/

Does this page have any service workers? Yes or No

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer_tools

• File: 32-service workers



33. Security mandatory

Go to https://dev-tools.hbtn.info/

The security panel allows you to make sure HTTS is properly implement on a webpage.



Which organization issued the SSL certificate for this page?

Repo:

• GitHub repository: holbertonschool-web_front_end

• Directory: 0x01-developer_tools

• File: 33-ss1_cert

34. Expiration date

mandatory

Go to https://dev-tools.hbtn.info/

When does the SSL certificate expire?

Take a screenshot of it

Repo:

- GitHub repository: holbertonschool-web_front_end
- Directory: 0x01-developer_tools
- File: 34-ssl_expiration.png



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