Style Validator

CSS Validation in the Browser

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Hi, I'm Takeharu Igari. Just call me take.

Today, I present various problems of today's CSS Validation. And I introduce the my new CSS Validation Tool made with Chrome Extension.

Takeharu Igari

Front-end Engineer

from Japan Production Company

that called "Lei Hau'oli"

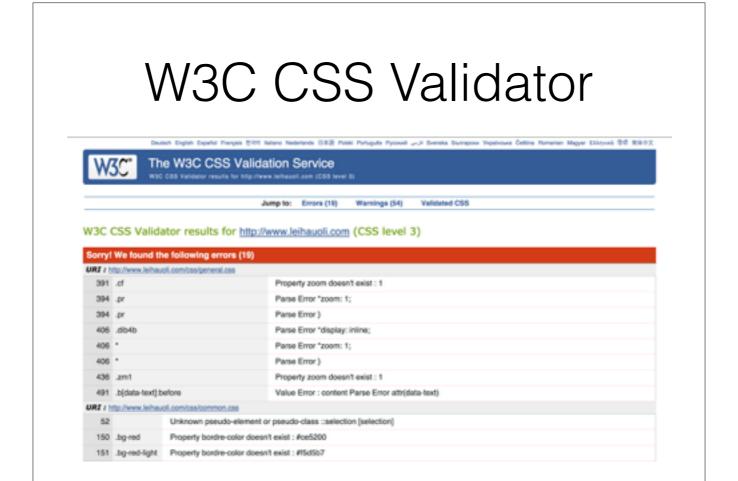I'm very sorry for that I can't listen English very well.

I'm a Front-end Engineer.
I had written codes of thousands of web pages in client works.
Now, I'm researching various vanguard front-end technology.

What's the Problems?

I think that CSS Validation has any problems.
And still, the CSS has continued to evolve.

W3C CSS Validator

This is CSS Validator made by W3C.

This Validator checks the syntax of CSS.

But, I do not use this.

Because, It takes a very many time you know.

And sometimes, If we write CSS Hacks for mainly Internet Explorer,

and then W3C CSS Validator alerts many many errors.

So It is Useless.

The lacks of
Current CSS Validator

- Not Real-time (Not support for AJAX content)

- Can't validate after compute styles

- Can't validate combination of HTML tag and CSS styles

And not only the Validator has three weak points.

First, it's not real time.
So, it can't check after inserting DOM. For example, by AJAX or user's action.

Second, It can't validate after computed styles.
It can check only syntax.
Third, It can't validate combination of HTML tag and CSS styles.

So, we take many unintended mistakes.
First of all, the work is too much of a front-end engineer, it is not possible to completely eliminate mistakes longer a human brain.

What's Invalid Style?

So, what's Invalid Style that I think.

Little Example 1

```css
tr {
  margin-top: 30px;/*Invalid for display: table-row;*/
}
div {
  display: table;
  padding: 30px;/*Invalid for display: table;*/
}
span {
  margin-bottom: 30px;/*Invalid for display: inline;*/
}
```

Little Example 2

```html
<div>
  <!-- No table parent -->
  <div style="display: table-cell;"></div>

  <!-- No flex parent -->
  <div style="display: flex-grow;"></div>
</div>
```

Invalid style gives you…

- Lazy patch for cross browser

- Interrupting creative thinking

- Loss of engineer's life

Solution

Style Validator
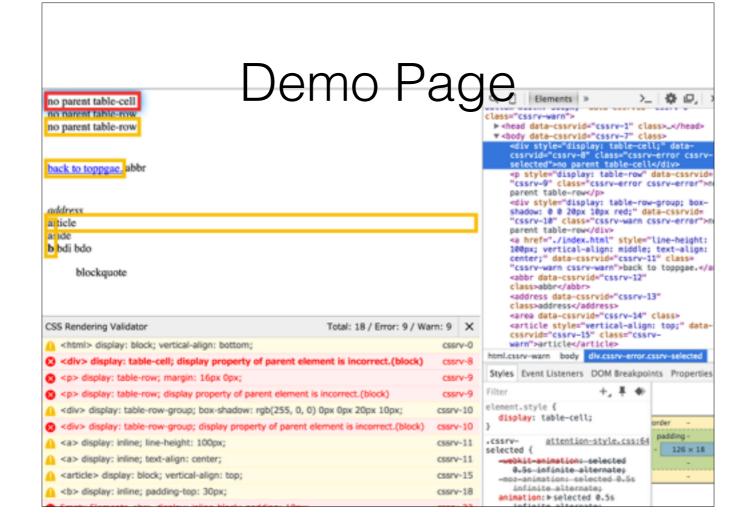
- Validation of computed style

- Validation of combination of HTML tag and CSS style.

- Real time validation

  - This track DOM modification (e.g. after insert DOM via AJAX)

Demonstration

Demo Page

One more thing…
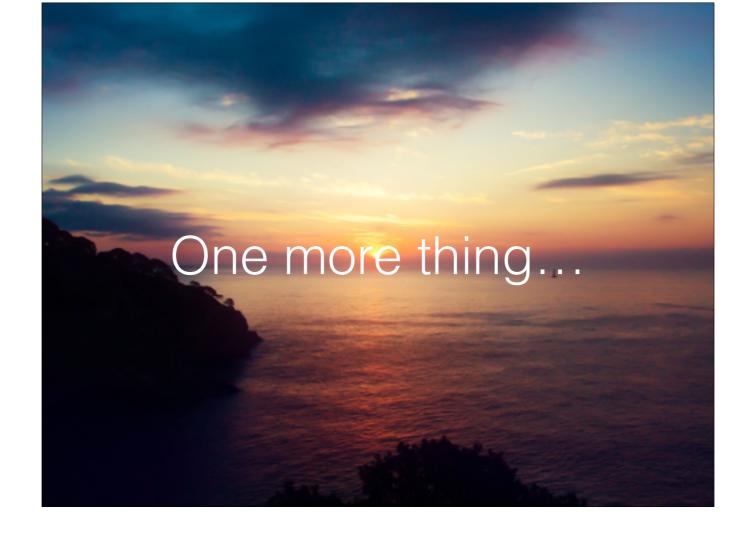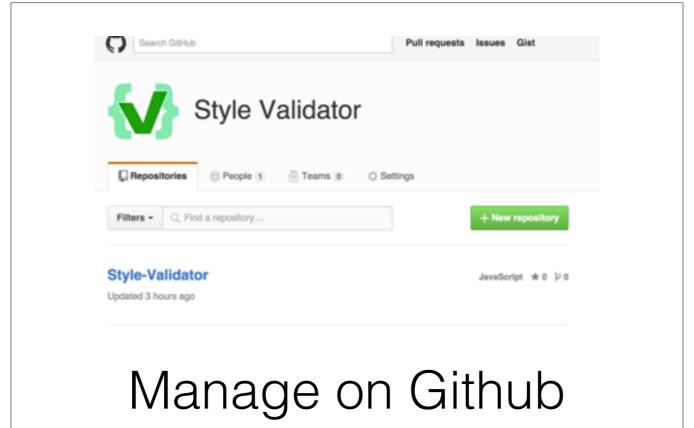
Open Source Project

- Style Validator needs the a lot of knowledge of work field engineers

- Finally, I wish that the Style Validator helps Engineer&Web&CSS.

Manage on Github

Everybody can edit rules

Flow of adding your rule

1. Fork Style Validator Repository

2. git clone

3. gulp

4. go to validation rules page and edit it

5. save rules

6. git push

7. pull request me

Thanks for your patient!

If you have any question...

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