

Redmine - Patch #32888

Use stylelint to avoid errors and enforce conventions in CSS files

2020-01-26 19:50 - Marius BĂLTEANU

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Go MAEDA	% Done:	0%
Category:	Code cleanup/refactoring	Estimated time:	0.00 hour
Target version:	4.2.0		
Description			
<p>In the last few months we had some cases when we added/fixed broken CSS code (ex: r18173, r18144, #32838). These types of errors can be easily avoid if we use a lint tool for CSS (as we started using Rubocop for Ruby).</p> <p>My proposal is to add Stylelint which is a very well know library, actively maintained, with good community and integrated by many tools.</p> <p>Attached is a patch that:</p> <ol style="list-style-type: none">1. Adds package.json and yarn.lock[1] to request the library as development dependency. To install and run it, I propose to use Yarn.2. Adds .stylelintrc with the initial list of rules from here. For now, I propose to start only with the possible-errors rules.3. Adds .stylelintignore to ignore some files from linting (jquery-ui-*.css for now).4. Updates the documentation <p>Beside this, if the overall idea is accepted, I have in plan to add the following:</p> <ul style="list-style-type: none">• Add more rules to enforce some coding standards in CSS files• Add a Javascript lint tool like ESLint• Use package.json to handle the version of the current JS libraries (ex: jQuery, jQuery UI, Chart, Raphael, Tribute, etc)• Give a shoot to integrate Webpack as assets pipeline (In Rails 6, is default) <p>Any feedback is really appreciated.</p> <p>¹ I prefer to have yarn.lock committed in the repository in order to enforce the same version between Redmine installations.</p>			
Related issues:			
Related to Redmine - Patch #32890: Fix violations reported by Stylelint		Closed	

Associated revisions

Revision 19732 - 2020-04-29 06:17 - Go MAEDA

Adds Stylelint to lint CSS files (#32888).

Patch by Marius BALTEANU.

Revision 19921 - 2020-07-21 05:29 - Go MAEDA

Update stylelint to 13.6.1 (#32888).

History

#1 - 2020-01-26 19:51 - Marius BĂLTEANU

- File 0001-Adds-Stylelint-to-lint-CSS-files.patch added

#2 - 2020-01-26 19:52 - Marius BĂLTEANU

Running Stylelint over the existing CSS code from public folder, returns the following violations:

```
root@df2fd1389bf4:/work# node_modules/.bin/stylelint "public/stylesheets/**/*.css"
```

```
public/stylesheets/application.css
```

```
561:1  [] Unexpected duplicate selector "div#issue-changesets div.changeset", first used at line 560 no-duplicate-selectors
682:77 [] Unexpected duplicate "white-space" decl
aration-block-no-duplicate-properties
```

```

1084:1  [] Unexpected duplicate selector "table.progress", first used at line 1075      no-d
uplicate-selectors
1560:1  [] Unexpected duplicate selector ".sort-handle", first used at line 706      no-d
uplicate-selectors
1619:83 [] Unexpected duplicate "color"                                           decl
aration-block-no-duplicate-properties

public/stylesheets/responsive.css
137:5   [] Unexpected duplicate "height"
                                declaration-block-no-duplicate-properties
264:18 [] Unexpected missing generic font family
                                font-family-no-missing-generic-family-keyword
399:5   [] Unexpected duplicate "display"
                                declaration-block-no-duplicate-properties
400:5   [] Unexpected duplicate "display"
                                declaration-block-no-duplicate-properties
401:5   [] Unexpected duplicate "display"
                                declaration-block-no-duplicate-properties
423:5   [] Unexpected duplicate "display"
                                declaration-block-no-duplicate-properties
424:5   [] Unexpected duplicate "display"
                                declaration-block-no-duplicate-properties
425:5   [] Unexpected duplicate "display"
                                declaration-block-no-duplicate-properties
492:5   [] Unexpected duplicate "display"
                                declaration-block-no-duplicate-properties
493:5   [] Unexpected duplicate "display"
                                declaration-block-no-duplicate-properties
494:5   [] Unexpected duplicate "display"
                                declaration-block-no-duplicate-properties
510:5   [] Unexpected duplicate "height"
                                declaration-block-no-duplicate-properties
804:3   [] Unexpected duplicate selector "#issue_tree .issue > td:not(.checkbox), #relations .issue > td:not(
.checkbox)", first used at line 787      no-duplicate-selectors
828:3   [] Unexpected duplicate selector "#issue_tree .issue > td.subject, #relations .issue > td.subject",
first used at line 799                  no-duplicate-selectors

public/stylesheets/rtl.css
322:3   [] Unexpected duplicate "margin-left"    declaration-block-no-duplicate-properties
322:21  [] Unexpected duplicate "margin-right"    declaration-block-no-duplicate-properties
377:14  [] Unexpected empty block                 block-no-empty

```

#3 - 2020-01-26 21:01 - Marius BĂLTEANU

- File deleted (0001-Adds-Stylelint-to-lint-CSS-files.patch)

#4 - 2020-01-26 21:04 - Marius BĂLTEANU

- File 0001-Adds-Stylelint-to-lint-CSS-files.patch added

Updated the patch to ignore consecutive duplicated properties with different values in order to not trigger a violation for the following case:

```

display: -webkit-flex;
display: -ms-flexbox;
display: -webkit-box;
display: flex;

```

#5 - 2020-01-28 07:41 - Marius BĂLTEANU

- Related to Patch #32890: Fix violations reported by Stylelint added

#6 - 2020-02-18 03:15 - Go MAEDA

- Target version changed from Candidate for next major release to 4.2.0

I think it is nice to have Stylelint. Setting the target version to 4.2.0.

#7 - 2020-02-18 05:26 - Bernhard Rohloff

It's a good idea. And I'm completely with you Marius that we need some coding standards on the stylesheets.

#8 - 2020-03-01 04:16 - Go MAEDA

Marius, let me ask one thing.

Should I commit yarn.lock file? I do not understand Yarn well, but it seems that it is not necessary to commit because it is generated automatically when yarn install is executed. If I commit this file, I have to keep updating it in the future.

#9 - 2020-03-01 11:01 - Marius BĂLTEANU

Go MAEDA wrote:

Marius, let me ask one thing.

Should I commit yarn.lock file? I do not understand Yarn well, but it seems that it is not necessary to commit because it is generated automatically when yarn install is executed. If I commit this file, I have to keep updating it in the future.

Yes, it should be committed in the source control and updated when we will do changes to packages.json. It's a good practice to commit the lock file under source control, regardless the language/framework (Ruby, PHP, Javascript) in order to ensure the same version across all servers/installations/machines and avoid issues generated by new packages version (Redmine has a lot of issues generated by this case).

The install command first checks for the lock file and if exists, it will install the same version of the packages. If doesn't exist, it will be generated based on which versions are defined in the *.json and available at that moment.

<https://classic.yarnpkg.com/en/docs/yarn-lock/#toc-check-into-source-control>

In Redmine, from what I known, the Gemfile.lock is not committed because we support multiple environments and platforms, but for Javascript packages is not the case.

#10 - 2020-04-29 06:17 - Go MAEDA

- Status changed from New to Closed

- Assignee set to Go MAEDA

Committed the patch. Thank you for improving the dev environment.

Files

0001-Adds-Stylelint-to-lint-CSS-files.patch	87 KB	2020-01-26	Marius BĂLTEANU
---	-------	------------	-----------------