Vivliostyle Reference

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- Vivliostyle Themes

Vivliostyle.js Contribution Guide
Vivliostyle.js Contribution Guide

Module structure

Vivliostyle.js consists of two components:

1. https://github.com/vivliostyle/vivliostyle.js/tree/master/packages/core**Core**[1]	2. https://github.com/vivliostyle/vivliostyle.js/tree/master/packages/viewer**Viewer**[2]
Vivliostyle.js Core layout engine	Vivliostyle.js Viewer UI

Setup a development environment

Make sure that the following is installed:

- 3. https://nodejs.orgNode.js[3]
- 4. https://classic.yarnpkg.comYarn[4]
- 5. https://git-scm.comGit[5]

Clone 6. https://github.com/vivliostyle/vivliostyle.jsvivliostyle.js[6].

```
git clone https://github.com/vivliostyle/vivliostyle.js.git
cd vivliostyle.js
```

Install dependencies and link packages:

```
yarn install    # install dependencies and link packages
```

`@vivliostyle/core` is listed as a dependency for `@vivliostyle/viewer` in `package.json`. During development, the local copy of `@vivliostyle/core` is used rather than the package installed from npm.

Contribution Guide

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Development Guide

Please ensure pnpm:>=10 is installed in your machine.

```
git clone https://github.com/vivliostyle/vivliostyle-cli.git && cd vivliostyle-cli
pnpm install
```

After setup, run `pnpm dev` to watch files.

Contribution Guide

Contribution Guide

Development Guide

```
git clone https://github.com/vivliostyle/vfm.git && cd vfm

npm install

npm run build

npm link

DEBUG=vfm vfm
```

After setup, run `npm run dev` to watch files.

Commit Guide

Comment

Please refer to 1. https://gist.github.com/joshbuchea/6f47e86d2510bce28f8e7f42ae84 c716Semantic Commit Messages[*1] for the commit comment.

Release Guide (Maintainers only)

Enter pre-release

```
release-it --preRelease=beta --npm.tag=next
```

Bump pre-release version

```
npm run release:pre
# or
release-it --preRelease --npm.tag=next
```

Contribution Guidelines

Contribution Guidelines

Developing theme

- See Theme Spec.

Donating your theme

We appreciate your donation to the list of our official themes!

Merging criteria

- The design and type of your theme should be reasonably distinct from all other existing official themes. This is to avoid duplication.

- Your theme has to meet our Theme Spec.

- You have to sign the Contributor License Agreement.

- You must follow Code of Conduct.

Perks

- You will become a member of 1. https://github.com/vivliostyleVivliostyle[*1] as well as a maintainer of `vivliostyle/theme` as a part of @vivliostyle/theme team.

- You will be given permissions to manage `vivliostyle/themes` and all the other theme-related repositories which enables you to:

  - Push to the repository

  - Triage issues

  - Review and merge pull-requests

Core API Reference

- API

  - constants

    - `PageProgression`

    - `PageSide`

    - `ReadyState`

  - plugin

    - `registerHook(name, fn)`

    - `removeHook(name, fn)`

  - profile

    - `profiler.registerStartTiming(name, timestamp)`

    - `profiler.registerEndTiming(name, timestamp)`

    - `profiler.printTimings()`

    - `profiler.disable()`

    - `profiler.enable()`

  - core-viewer

    - `new CoreViewer(settings, options)`

    - `PageViewMode`

    - `ZoomType`

- Classes

  - `CoreViewer`

    - `addListener(type, listener)`

    - `getCurrentPageProgression()`

    - `getPageSizes()`

    - `isTOCVisible()`

    - `loadDocument(singleDocumentOptions, documentOptions, viewerOptions)`

    - `loadPublication(pubURL, documentOptions, viewerOptions)`

    - `navigateToInternalUrl()`

    - `navigateToPage()`

    - `queryZoomFactor(type)`

    - `removeListener(type, listener)`

Supported CSS Features

Supported CSS Features

Vivliostyle currently supports the following CSS values, selectors, at-rules, media queries, and properties:

In addition, essentially all CSS properties and values supported by the browser are available, since Vivliostyle.js lets the browser handle CSS properties that Vivliostyle.js does not handle on its own.

Values

- 1. https://www.w3.org/TR/css-values/#common-keywordsCSS-wide keywords[*1]:
  `initial` , `inherit` , `unset` , `revert`
- 2. https://www.w3.org/TR/css-values/#lengthsLength units[*2]: `em` , `ex` , `ch` , `rem` ,
  `lh` , `rlh` , `vw` , `vh` , `vmin, vmax` , `vi` , `vb` , `cm` , `mm` , `q` , `in` , `pc` , `pt` , `px` .
- Sizing keywords: 3. https://www.w3.org/TR/css-sizing-3/#valdef-width-min-content
  min-content[*3], 4. https://www.w3.org/TR/css-sizing-3/#valdef-width-max-content
  max-content[*4], 5. https://www.w3.org/TR/css-sizing-4/#valdef-width-fit-contentfit-
  content[*5]
- Color values
  - 6. https://www.w3.org/TR/css-color/#named-colorsNamed Colors[*6]
  - 7. https://www.w3.org/TR/css-color/#transparent-color `transparent` color
    keyword[*7]
  - 8. https://www.w3.org/TR/css-color/#currentcolor-color `currentColor` color
    keyword[*8]
  - 9. https://www.w3.org/TR/css-color/#rgb-functionsRGB functions: `rgb()` ,
    `rgba()` [*9]
  - 10. https://www.w3.org/TR/css-color/#hex-notationRGB Hexadecimal Notations:
    #RRGGBB, #RRGGBBAA[*10]
  - 11. https://www.w3.org/TR/css-color/#the-hsl-notationHSL Colors: `hsl()` ,
    `hsla()` [*11]
  - 12. https://www.w3.org/TR/css-color/#the-hwb-notationHWB Colors: `hwb()` [*12]
- 13. https://www.w3.org/TR/css-values/#attr-notationAttribute references:
  `attr()` [*13]
  - Only supported in values of `content` property.
  - Only 'string' and 'url' types are supported.