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## Specification List Draft:

## 1. Webapp Layout

- a. Real-time rendering of HTML file and associated CSS and JS files using editor autoformatting [2g] and browser hot-reloading [3e]
- b. Able to connect and render multiple browsers simultaneously
- c. Means of displaying each browser, could be tab based or split screen

## 2. Code Editor

- a. Focus on language feature set for HTML, CSS, JS (features should work at least for these languages)
- b. Support for Code highlighting, styling, and linting
- c. Auto-completion, especially for listing the valid CSS properties
- d. PostCSS to prefix and polyfill CSS properties for browsers
- e. Babel to polyfill JS for browsers
- f. <u>CanlUse</u> support for estimating target browser compatibility with currently compiled CSS
- g. Format on save functionality, on save runs appropriate checks (styling, linting, PostCSS compilation, triggers browser updates)
- h. Allow uploading & running current files/folders/workspaces

## 3. Virtualized Browsers

- a. Render webpage based on compiled editor code
- b. Support for most popular browsers; currently this includes Chrome, Edge, Firefox, Safari;
- c. Allows selection specific browser versions for the browsers in [b]
- d. A way to either automatically build VM's or used currently available online browser testers at an additional cost i.e. Browserling, BrowserStack, LambdaTest
- e. Support for hot-reloading

Use Cases Draft:

