



DEVELOPER SUMMIT

March 10–13



ArcGIS API for JavaScript: Tips and Tricks for Developing and Debugging Apps

Matt Priour

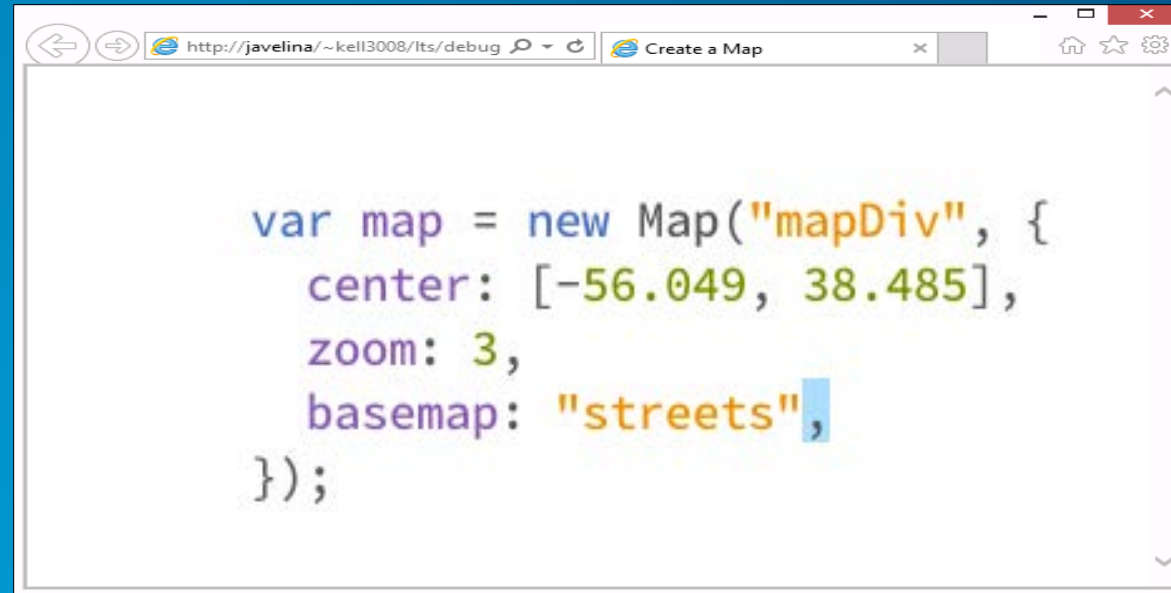
Kelly Hutchins

Overview

- **Prevention**
- **Browser based debugging**
- **Mobile application debugging**

Prevention

- Code quality tools
 - JSLint
 - JSHint
- The trailing comma problem

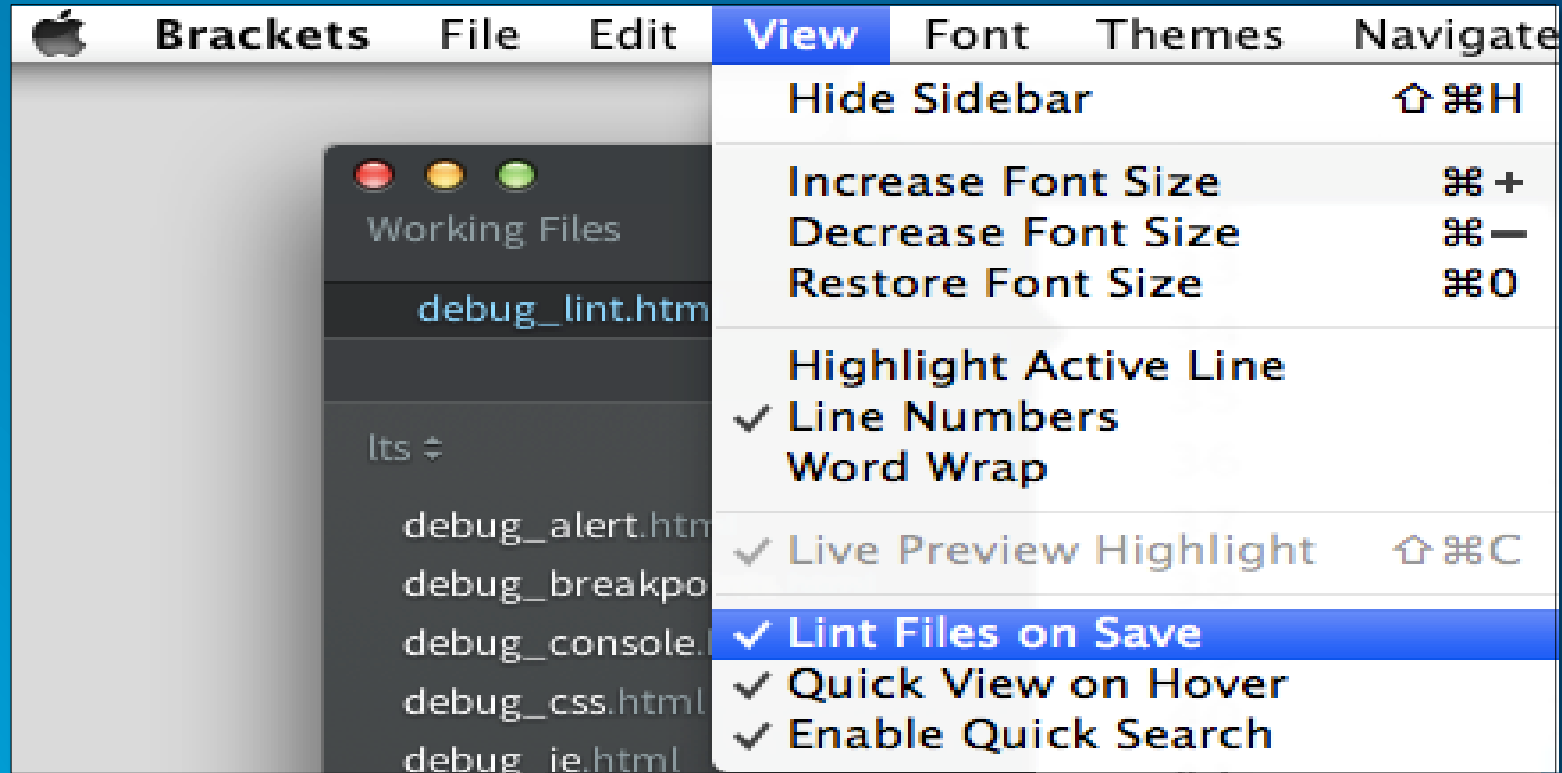


The screenshot shows a web browser window with the address bar containing `http://javelina/~kell3008/Its/debug` and a tab titled "Create a Map". The main content area displays the following JavaScript code:

```
var map = new Map("mapDiv", {  
  center: [-56.049, 38.485],  
  zoom: 3,  
  basemap: "streets",  
});
```

The code is color-coded: `var` is purple, `map` is blue, `new` is blue, `Map` is blue, `"mapDiv"` is orange, `{` is blue, `center` is purple, `[-56.049, 38.485]` is green, `,` is blue, `zoom` is purple, `3` is green, `,` is blue, `basemap` is purple, `"streets"` is orange, `,` is blue, `});` is purple. A blue cursor is positioned at the end of the `"streets"` string, highlighting the trailing comma problem.

IDE integration



Github JSAPI Resources

Esri / **jsapi-resources** Unwatch 11

A collection of useful resources for developers using the ArcGIS API for JavaScript.

14 commits 2 branches 0 releases 4 contributors

branch: master jsapi-resources /

Merge pull request #2 from bsvensson/patch-1

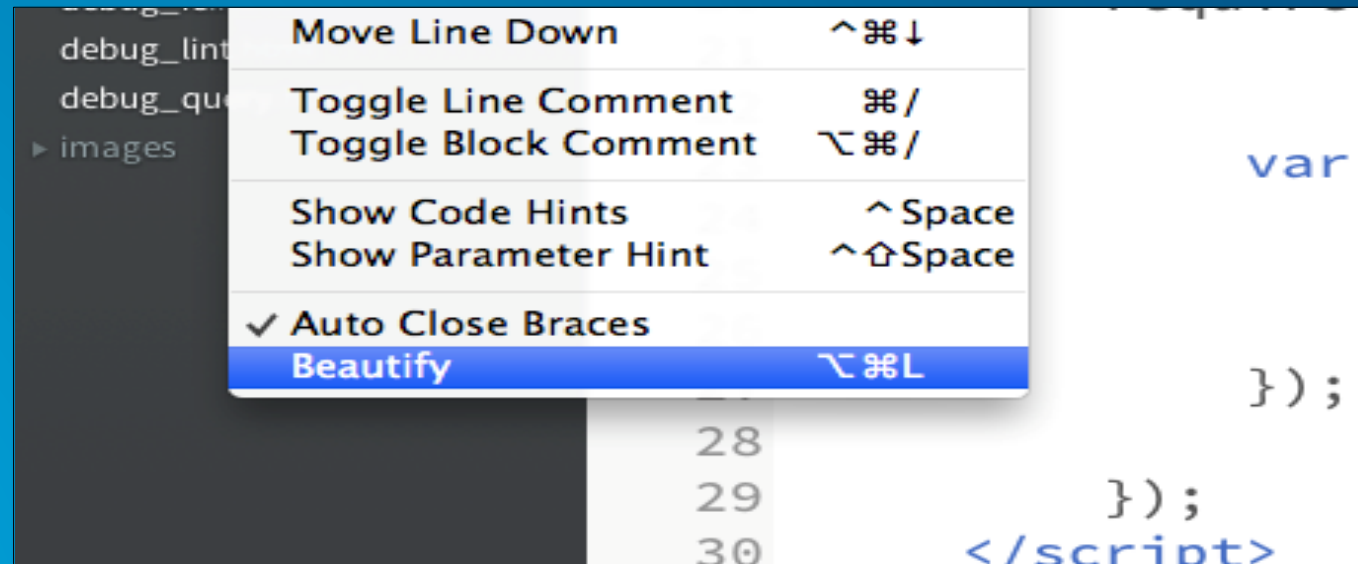
swingley authored 3 days ago latest commit 492c7e3e37

jslint	Fix link	3 days ago
typescript	Update README.md	5 days ago
README.md	spelling and casing	3 days ago
license.txt	Create license.txt	3 days ago

README.md

Beautifiers

- Jsbeautifier.org
- Cssbeautify.com
- Plug-ins



Task automation

- Automate tasks

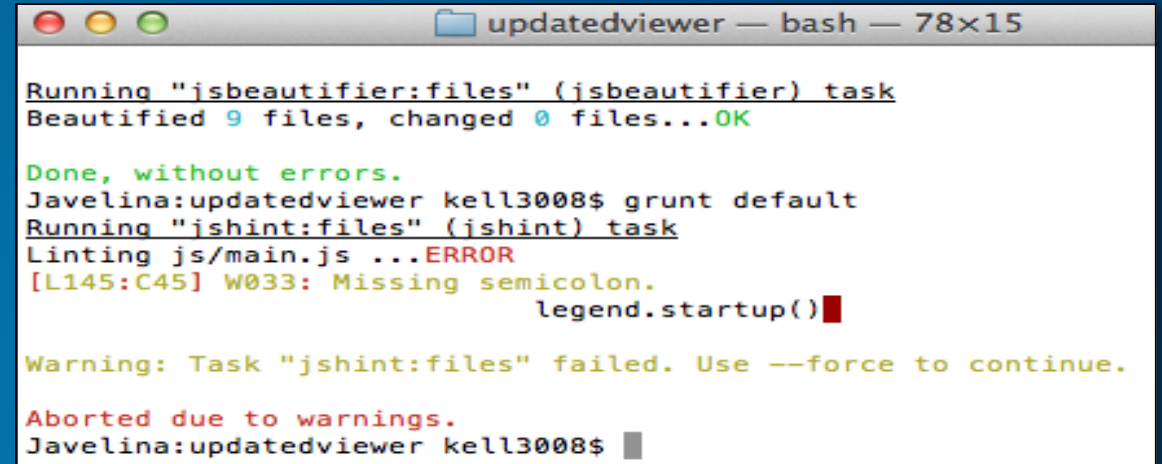
- Linting
- Beautify
- Minification

- Grunt

- <http://gruntjs.com>

- Gulp

- <http://github.com/gulpjs/gulp>



```
updatedviewer — bash — 78x15
Running "jsbeautifier:files" (jsbeautifier) task
Beautified 9 files, changed 0 files...OK

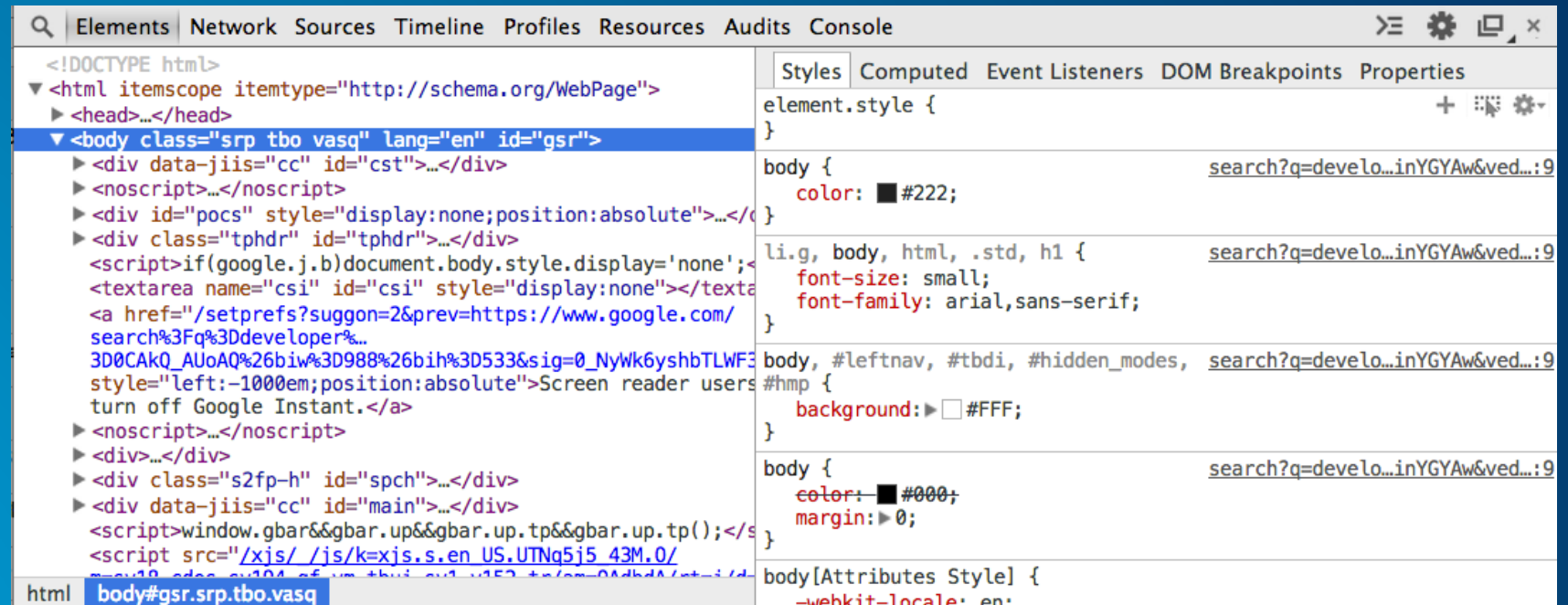
Done, without errors.
Javelina:updatedviewer kell3008$ grunt default
Running "jshint:files" (jshint) task
Linting js/main.js ...ERROR
[L145:C45] W033: Missing semicolon.
                                legend.startup()

Warning: Task "jshint:files" failed. Use --force to continue.

Aborted due to warnings.
Javelina:updatedviewer kell3008$
```


Developer tools

- Set breakpoints
- Log information
- View network traffic
- Inspect CSS



Session Survey

ArcGIS API for JavaScript: Tips and Tricks for Developing and Debugging Apps

<http://www.esri.com/events/devsummit/session-rater>



Understanding our world.