

# Modern Web Toolchain

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Classic Soda Machine

# Shiny New Machine



# Choices



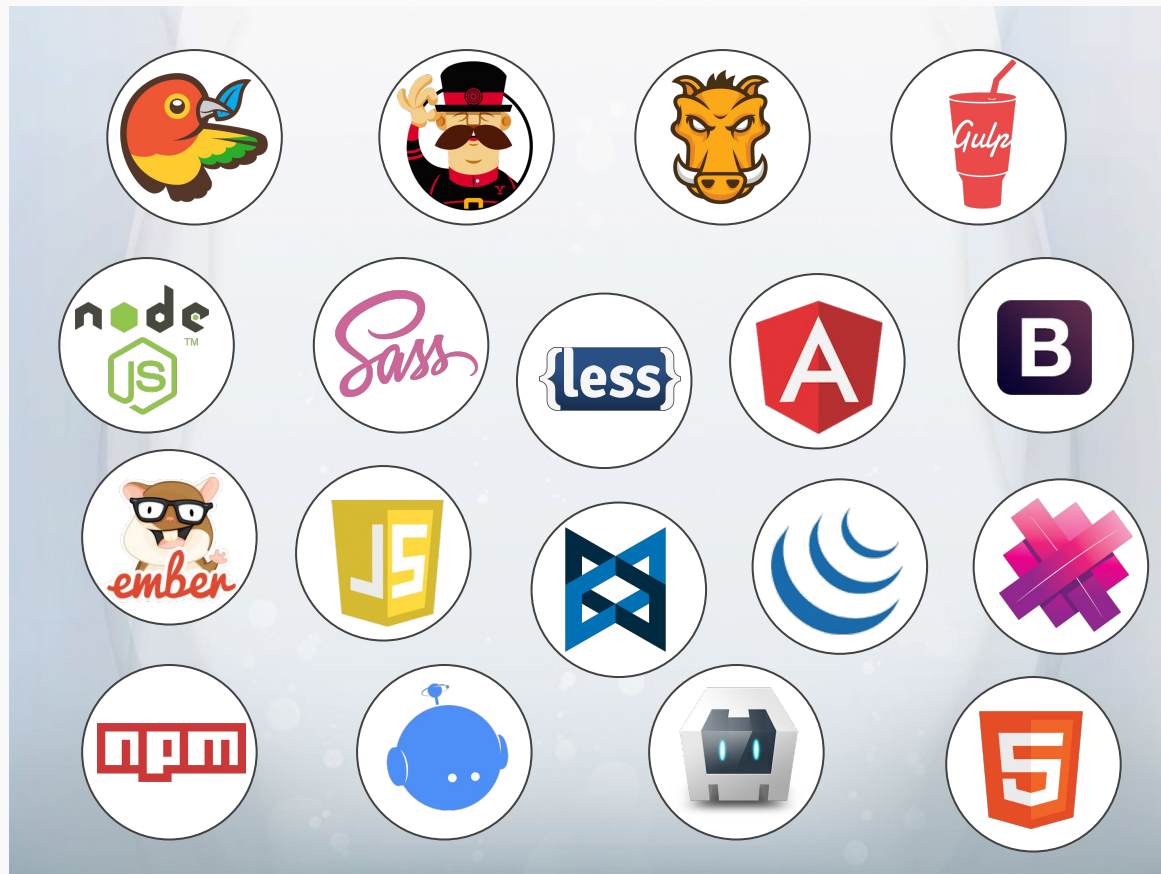
# Choices







# Choices



# node.js

nodejs.org



OS X

```
$ brew install node
```

Windows

```
> choco install nodejs
```



# node.js

nodejs.org



OS X

```
$ npm install -g n
```

Windows

```
> search for nvm-windows or nvmw
```

# Bower

bower.io

Repository for front end resources

- angular
- jquery
- bootstrap



```
$ npm install -g bower
```

# Gulp

[gulpjs.com](https://gulpjs.com)

- repeatable tasks
- code-minification
- image optimization
- unit testing
- code quality analysis
- etc



```
$ npm install -g gulp-cli
```

# Grunt

gruntjs.com

- repeatable tasks
- code-minification
- image optimization
- unit testing
- code quality analysis
- etc



```
$ npm install -g grunt-cli
```

# Grunt vs Gulp

Which do I choose?



vs



# Grunt vs Gulp

Which do I choose?

There are two main differences between Grunt and Gulp

- The way you configure your tasks.
  - a. Grunt is *configuration-based*.
  - b. Gulp is *stream-based*.
- The way they run your tasks.
  - a. Grunt runs the processes you want to execute in a *sequential manner*.
  - b. Gulp tries to run them with *maximum concurrency*, meaning it will try to execute processes in parallel if possible.



# Yeoman

yeoman.io

Scaffolding tool

- project templating
- generator-aspnet
- generator-angular



```
$ npm install -g yo
```

# CLI Tools

What?



<code />

# Thanks

- [bower.io](https://bower.io)
- [yeoman.io](https://yeoman.io)
- [gulpjs.com](https://gulpjs.com)
- [gruntjs.com](https://gruntjs.com)
- [nodejs.org](https://nodejs.org)
- @spboyer - [tattoocoder.com](https://tattoocoder.com)

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