

automate your workflow

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Grundaufbau eines Web Projekts

 **projekt**

 **images**

 **scripts**

JS `scripts.js`

 **styles**

 `styles.css`

 `index.html`

Werkzeuge



Browser Reload



browsersync.io

CSS Preprocessor



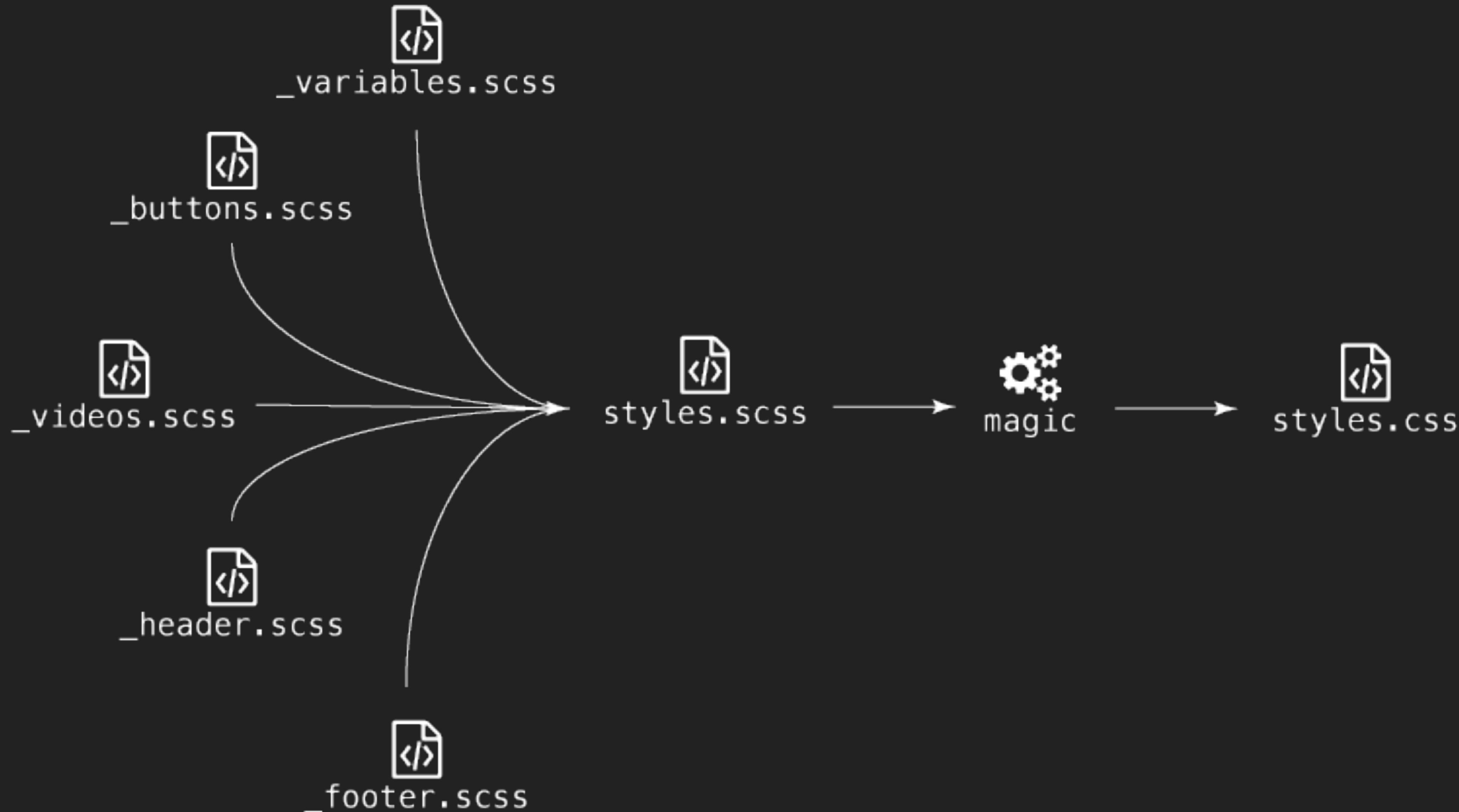
sass-lang.com

oder



lesscss.org

Sass Magic



Sass SourceMaps

Ihre Karriere

Mehr unter: xxxx
div.jobposition_item 442.828px x 526.25px

Acoustic Engineer (m/w)

SILKE KURTZ Manager Employer Branding

Controls Engineer Automation Automation(m/w)

SILKE KURTZ Manager Employer Branding

Mechanical Engineer (m/w)

SILKE KURTZ Manager Employer Branding

Elements Console Sources Network Timeline Profiles Resources Security Audits

!DOCTYPE html>
<html hola_ext_inject="disabled">
 <head>...</head>
 <body>
 <script type="text/javascript" id="__bs_script__">...</script>
 <script async src="/browser-sync/browser-sync-client.2.10.1.js"></script>
 <!--[if lt IE 10]>
 <p class="browserupgrade">Sie verwenden einen veralteten Browser. Bitte upgraden Sie Ihren Browser um die Seite richtig darzustellen.</p>
 <![endif]-->
 <header class="main-header">...</header>
 <main class="main-content" id="top">
 <section class="section unternehmen wrapper" id="unternehmen">...</section>
 <section class="section arbeitgeber wrapper active" id="arbeitgeber">...</section>
 <section class="section karriere wrapper" id="karriere">
 ::before
 <h2>Ihre Karriere</h2>
 <p>Mehr unter: xxxx</p>
 <div class="jobposition">
 <div class="jobposition_item">
 <h3>Acoustic Engineer (m/w)</h3>
 <div style="position: relative; padding-top: 56.26%; height: 0;" class="video-margin">...</div>
 <p class="jobbody">...</p>
 </div>
 <div class="jobposition_item">...</div>
 <div class="jobposition_item">...</div>
 <div class="jobposition_item">...</div>
 </div>
 </section>
 </main>
 </body>
</html>

Styles Computed Event Listeners »
Filter
element.style {
}
.karriere {
 _karriere.scss:6
.jobposition_item:nth-child(3n + 1) {
 clear: left;
}
.karriere {
 _karriere.scss:6
.jobposition_item:nth-child(n) {
 float: left;
 margin-right: 2%;
 margin-bottom: 2%;
 clear: none;
}
.karriere .jobposition_item {
 _karriere.scss:6
 width: calc(99.99% * 1/3 - (2% - 2% * 1/3));
 height: calc(99.99% * 1/3 - (2% - 2% * 1/3));
}
body * {
 normalize.scss:427
 margin: 0;
 padding: 0;

Build Tool / Task Runner



gulpjs.com

oder



gruntjs.com

Package Manager

Homebrew

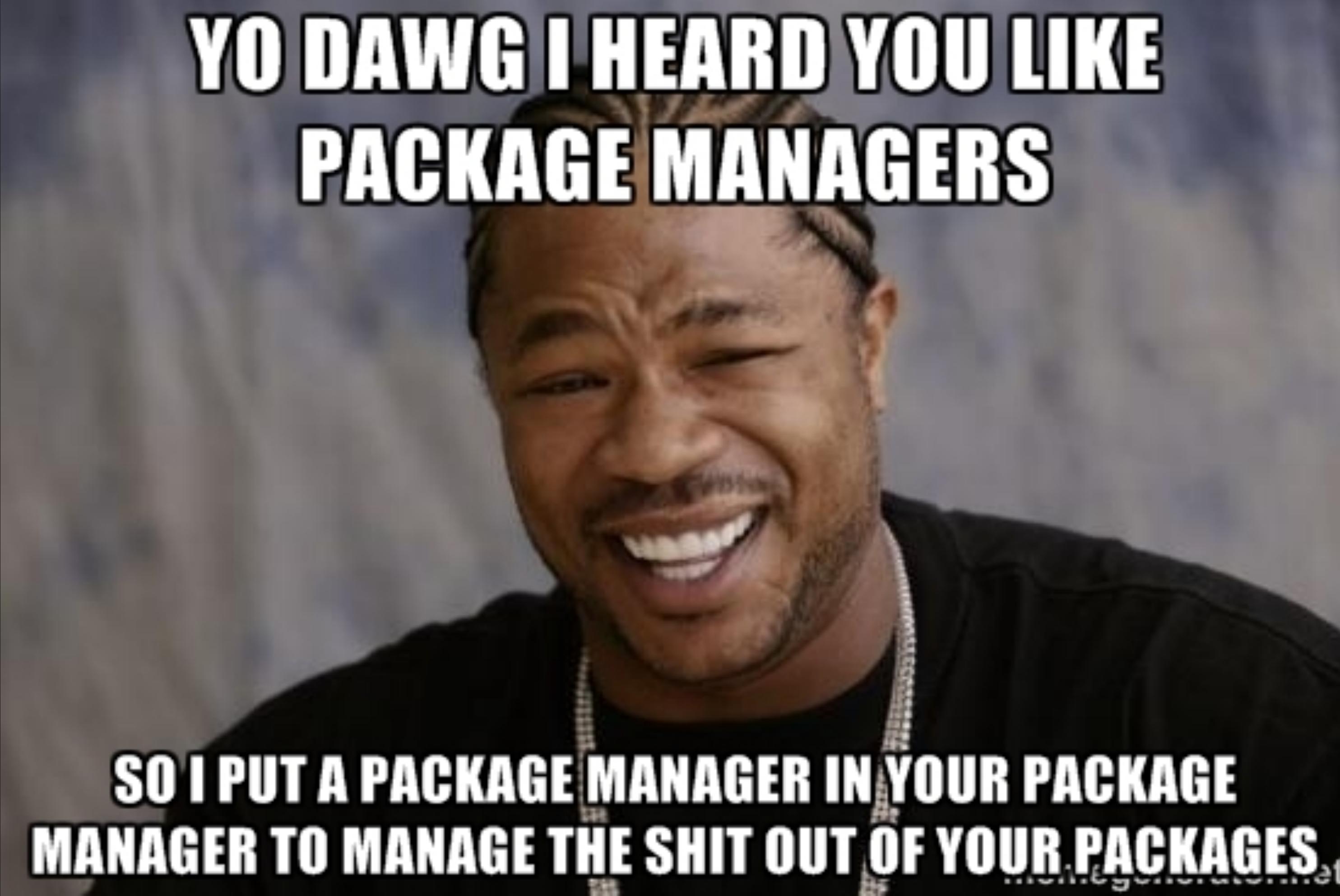
brew.sh
(mac only)

npm

npmjs.com



bower.io



**YO DAWG I HEARD YOU LIKE
PACKAGE MANAGERS**

**SO I PUT A PACKAGE MANAGER IN YOUR PACKAGE
MANAGER TO MANAGE THE SHIT OUT OF YOUR PACKAGES**

Install Homebrew

```
/usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"
```

Paste that at a Terminal prompt.

The script explains what it will do and then pauses before it does it. There are more installation options [here](#) (needed on 10.5).

Globale Installation der Tools

1x pro Rechner

> brew install node

> npm install -g gulp bower

Installation im Projekt Gulp und Sass

```
> mkdir testApp && cd testApp  
> npm init  
> npm install --save-dev gulp gulp-sass
```

package.json

```
{  
  "name": "sass-demo",  
  "version": "1.0.0",  
  "description": "",  
  "main": "index.js",  
  "scripts": {  
    "test": "echo \\\"Error: no test specified\\\" && exit 1"  
  },  
  "author": "",  
  "license": "ISC",  
  "devDependencies": {  
    "gulp": "^3.9.1",  
    "gulp-sass": "^2.2.0"  
  }  
}
```

gulpfile.js mit Sass Task

```
var gulp = require('gulp')
    || sass = require('gulp-sass');

gulp.task('styles', function() {
    return gulp.src('assets/sass/*.scss')
        .pipe(sass().on('error',sass.logError))
        .pipe(gulp.dest('app/styles')));
});
```

**Befehle manuell ausführen
wird auf Dauer mühsam**

Gulp Watch

```
gulp.task('watch', function() {
  gulp.watch('assets/sass/**/*.scss', ['styles'])
});
```

there's a plugin for that

imagemin
concat
replace
concat
svg-optim
sass
ftp
uncss
autoprefixer
load-plugins
angular
uglify
sprite
postcss
jslint
browserify
plumber
sourcemaps
less
concat
react

MUST USE



ALL THE PLUGINS!

memegenerator.net

Nur benutzen was man wirklich braucht

Gulpfile

```
var gulp = require('gulp'),
    browserSync = require('browser-sync'),
    plugin = require('gulp-load-plugins')(),
    reload = browserSync.reload;

gulp.task('styles', function() {
    return gulp.src('assets/sass/*.scss')
        .pipe(plugin.plumber())
        .pipe(plugin.sourcemaps.init())
        .pipe(plugin.sass.sync().on('error', plugin.logError))
        .pipe(plugin.autoprefixer({browsers: ['> 1%', 'last 2 versions']}))
        .pipe(plugin.sourcemaps.write())
        .pipe(gulp.dest('app/styles'))
        .pipe(reload({stream: true}));

});

gulp.task('serve', ['styles'], function() {
    browserSync({
        notify: false,
        port: 9000,
        server: {
            baseDir: ['app',]
        }
    })

    gulp.watch([
        'app/*.html',
        'app/scripts/**/*js',
        'assets/sass/**/*',
    ]).on('change', reload);
});
```

package.json Dependencies

```
"devDependencies": {  
  "babel-core": "^5.5.6",  
  "browser-sync": "^2.2.1",  
  "del": "^1.1.1",  
  "gulp": "^3.9.1",  
  "gulp-autoprefixer": "^3.0.1",  
  "gulp-cache": "^0.2.8",  
  "gulp-combine-mq": "^0.4.0",  
  "gulp-eslint": "^0.13.2",  
  "gulp-html-replace": "^1.5.5",  
  "gulp-if": "^1.2.5",  
  "gulp-imagemin": "^2.2.1",  
  "gulp-load-plugins": "^0.10.0",  
  "gulp-minify-css": "^1.2.1",  
  "gulp-minify-html": "^1.0.0",  
  "gulp-plumber": "^1.0.1",  
  "gulp-postcss": "^6.0.1",  
  "gulp-rename": "^1.2.2",  
  "gulp-sass": "^2.0.0",  
  "gulp-size": "^1.2.1",  
  "gulp-sourcemaps": "^1.5.0",  
  "gulp-uglify": "^1.1.0",  
  "gulp-useref": "^3.0.0",  
  "lost": "^6.6.2",  
  "main-bower-files": "^2.5.0",  
  "wireddep": "^2.2.2"
```

Gulp Workflow

Gulp
installieren

gulpfile.js
Datei erstellen

Dependencies
installieren

Tasks im
Gulpfile erstellen

Tasks
ausführen

└ app

 └ assets

 └ sass

 └ components

 └ pages

 └ _contact.scss

 └ utils

 └ _breakpoints.scss

 └ _variables.scss

 └ vendor

 └ styles.scss

 └ images

 └ scripts

 └ styles

 └ index.html

└ node_modules

 └ .bowerrc

 └ bower.json

 └ gulpfile.js

└ package.json

Die richtigen Tools wählen

Die richtigen Tools erleichtern die Arbeit enorm

aber

nicht alle Tools machen bei allen Projekten Sinn

yeoman to the rescue

Yeoman

npm install -g yo



yeoman.io

vorgefertigte Generatoren nutzen

yeoman.io/generators/

Entscheidungshilfen

 Generator

 webapp by [The Yeoman Team](#)

Scaffold out a front-end web app

 Last Updated  Stars  Installs

24 days ago 2174 13214

Demo