Tooling and Automation

Agenda

- Introduction

- Setting up your project

- Making Gulp do things

Introduction

Credit: http://imgur.com/gallery/DZTBGB6

Introduction

Credit: Gulpjs.com (MIT)

Setting up your project

Directory Structure

```
$ mkdir my-project

$ cd my-project

$ mkdir img

$ mkdir js

$ mkdir css
```

Setting up your project

```
$ npm init
```

Setting up your project

Install Gulp globally

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

Install Gulp in your project

```
$ npm install gulp --save-dev
```

Setting up your project

If you've already started your project

```
$ npm init

$ npm i -g gulp-cli

$ npm i gulp --save-dev
```

Making Gulp do things

```javascript
var gulp = require('gulp');
var paths = {src: 'app/'};
gulp.task('task-name', function() {
  return gulp.src('source-files')
    .pipe(aGulpPlugin())
    .pipe(gulp.dest('destination'));
});
```

Making Gulp do things

Gulp API

- gulp.task
- gulp.src
- gulp.dest
- gulp.watch

Examples of Gulp Tasks

```
gulp.task('copy-content', function() {

gulp.src('app/**/*.{html,css,jpg,png,gif,svg}')
    .pipe(gulp.dest('./dist'));
});
```

Examples of Gulp Tasks

```
  gulp.task('generate-service-worker', (callback)
=> {

    swPrecache.write(path.join(paths.src,
'sw.js'), {

      staticFileGlobs: [

        paths.src + 'index.html',

        paths.src + 'js/main.js',

        paths.src + 'css/main.css'
```

Examples of Gulp Tasks

```
gulp.task('processCSS', function() {
 return gulp.src('./css/**/*.css')
   .pipe(sourcemaps.init())
   .pipe(autoprefixer())
   .pipe(sourcemaps.write())
   .pipe(gulp.dest('./css'));
});
```

Examples of Gulp Tasks

```
gulp.task('psi:mobile', function() {
    var site = 'CHANGE_TO_YOUR_SITE';
    return psi(site, {
      nokey: 'true',
      strategy: 'mobile',
      format: 'cli'
    }).then(function(data) {
      console.log('Speed score: ' + data.ruleGroups.SPEED.score);
    });
  });
```