Command Prompt Commands

Command Prompt Commands

cd	change directory or location
	cd folderName1 cd ../ cd ../../folderName2

dir	what is inside my current location folder
	dir

cls	clear the screen
	cls

node -v	check node js version
	node -v

npm -v	check node package manager version
	npm -v

npm init	initialize a node js project
	npm init

npm run	runs a command in your package.json
	npm run styles npm run gulp

npm install	install a node package into your project
	npm install packageName —save-dev

npm uninstall	uninstall a node package from your project
	npm uninstall packageName —save-dev

Instructions on how to perform common tasks in a NodeJS Project

How to start a new NodeJS project

1 The first thing we do is make a new folder for our project.

2 Open up our command prompt and cd into our newly created folder

3 Once we are in our folder, we enter the follow command

```
npm init
```

4 Hit enter to say yes to all the defaults (unless you are making a npm package to share on npm's site)

5 You have a new project!

How to install a npm package

1 Open up our command prompt and cd into your project

2 Once we are in our folder, we enter the follow command

```
npm install nameOfPackage —save-dev
```

Anything that starts with a '-' is considered a flag.
They are like extra options we add to our command.
—save-dev means we are going to use this package
during development and will keep a record of it in our
package.json file.

3 You have installed an npm package!

How to uninstall a npm package

1   Open up our command prompt and cd into your project

2   Once we are in our folder, we enter the follow command

```
npm uninstall nameOfPackage —save-dev
```

3   You have uninstalled an npm package!

How to install gulp.js and gulp-sass

1   Open up our command prompt and cd into your project

2   Once we are in our folder, we enter the follow command

```
npm install gulp gulp-sass --save-dev
```

3   open your package.json file and add the following command to the package.json scripts

```
"gulp": "./node_modules/.bin/gulp"
```

4   In your command prompt, run the following command

```
npm run gulp
```

5   You are now running gulp!

Common Sass Architecture

Common Sass Structure Overview

base/
    variables.scss
    layout.scss
    mixins.scss

components/
    header.scss
    hero.scss
    footer.scss
    card.scss
    buttons.scss
    input.scss

pages/
    home.scss
    about.scss
    services.scss
    contact.scss

Sass Overview

Sass Variables

```
$variable-name: #345;
```

Color Example

```scss
$primary-color: #345;


.body {
  background: $primary-color;
}
```

Font Family Example

```scss
$primary-font: 'Arail', sans-serif;


.body {
  font-family: $primary-font;
}
```

Header Height Example

```scss
$header-height: 100px;


header {
  height: $header-height;
}

header .logo {
  display: inline-block;
  line-height: $header-height;
}
```

Sass Nesting

```scss
header {
    .logo {
        color: red;
    }
}
```

Header Example

```scss
header {
  color: #222;

  .logo {
      color: white
  }

  li {
    display: inline-block;
  }

  a {
    color: white;
  }

}
```

Card Example

```scss
.card {
  padding: 20px;
  height: 200px;
  position: relative;

  h1 {
    font-size: 1.4em;
  }

  h2 {
    font-size: 1.2em;
  }

  .content-container {
    position: absolute;
    height: 80px;
    background: #222;
    bottom: 0;
  }

}
```

Sass Imports

```
@import 'header.scss';
```

header.scss

```scss
header {
  color: #222;

  .logo {
      color: white
  }

  li {
    display: inline-block;
  }

  a {
    color: white;
  }

}
```

card.scss

```scss
.card {
  padding: 20px;
  height: 200px;
  position: relative;

  h1 {
    font-size: 1.4em;
  }

  h2 {
    font-size: 1.2em;
  }

  .content-container {
    position: absolute;
    height: 80px;
    background: #222;
    bottom: 0;
  }

}
```

app.scss

```scss
@import './header.scss';
@import './card.scss';
```

`@extend .button;`

Button Example

```
.button {
  background-color: #349;
  border: none;
  font-weight: bold;
  color: white;
}

.small-button {
  @extend .button;
  font-size: 0.8em;
  padding: 5px 10px;
}

.big-button {
  @extend .button;
  font-size: 1.2em;
  padding: 10px 20px;
}
```

```
@mixin verticalAlign($height) {
  display: inline-block;
  line-height: $height;
};
```

Background Image Example

```
$mixin background-image($image-path) {
  background: url($image-path);
  background-size: cover;
  background-position: 50% 50%;
}


.hero {
  @include background-image('../img/hero.jpg');
}
```