MODERN FRONT-END
FOR BEGINNERS AND MIDDLES

MAXIM SLASTON
RONT-END – DATASCOPE SYSTEMS LTD

PREPROCESSOR CSS

HOW TO START

GUI

PREPROS
KOALA

NODE.JS POWER

GULP
BOWER

IDE POWER

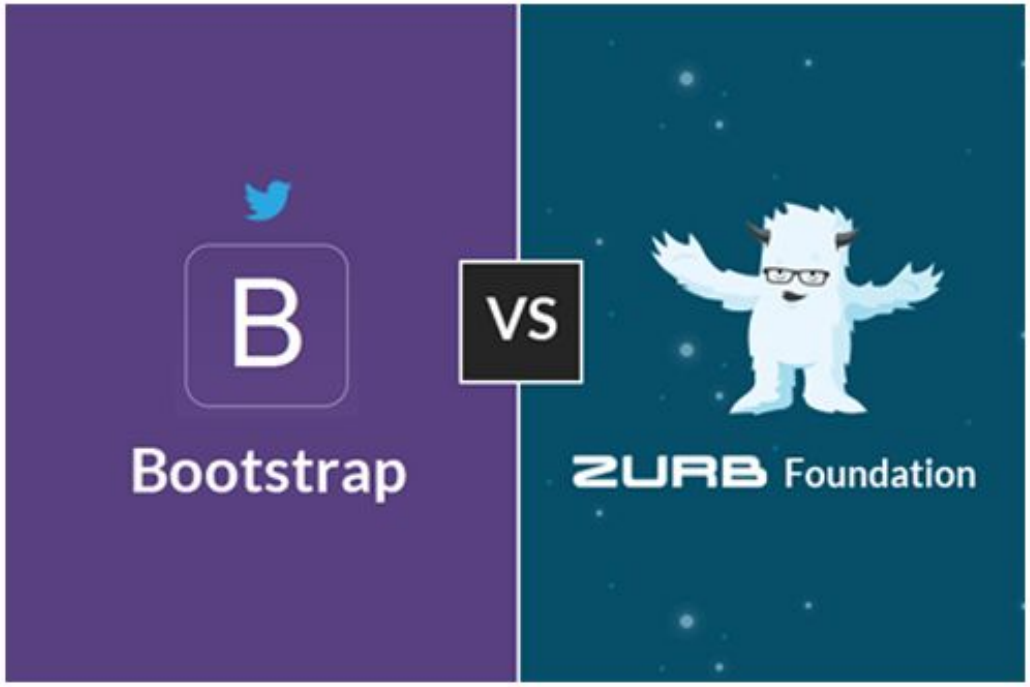
VISUAL STUDIO
WEBSTORM

WHAT TO SELECT

ONLY CSS

ADD:
LESS, SASS, STYLUS

WHO USE ?



AND OTHERS ...

WHY ?

VARIABLES

MIXINS

NESTED RULES

OPERATIONS

EXTEND

OTHERS FEATURES

VARIABLES

SIZE
COLOR
URL
OPERATION FUNCTION

```
@phone-title:#333;
@phone-subtitle:@phone-title*3;

@button-bg:#3498db;
@nav:#3498db;


@fira:'Fira-Sans', sans-serif;
@lightFira:300;
@mediumFira:500;
@lightRoboto:300;
@mediumRoboto:500;
@boldRoboto:900;

@colorBase:#222;
@colorLink:#4183d7;

@img: "../img/";
```

MIXIN

style.less | scss.scss | style.styl | stylus.styl

```
border-radius(r = 2px)
  -webkit-border-radius r
  -moz-border-radius r
  border-radius r

transition()
    -webkit-transition: arguments
    -ms-transition: arguments
    -o-transition: arguments
    -moz-transition: arguments
    transition: arguments

animation = background-color 0.5s, color 0.7s, opacity 0.5s
.test
  border-radius(8px)
  transition(animation)
```

stylus.css

```
.test {
  -webkit-border-radius: 8px;
  -moz-border-radius: 8px;
  border-radius: 8px;
  -webkit-transition: background-color 0.5s, color 0.7
  -ms-transition: background-color 0.5s, color 0.7s, o
  -o-transition: background-color 0.5s, color 0.7s, op
  -moz-transition: background-color 0.5s, color 0.7s,
  transition: background-color 0.5s, color 0.7s, opaci
}
/*# sourceMappingURL=stylus.css.map */
```

NESTED RULES

OPERATIONS

```
20  // Operation
21
22  .em-font-size(@px) {
23      font-size: (@px/16) + 0em;
24  }
25  .myclass {
26      .em-font-size(32);
27  }
28
29  @firstColor: #333;
30  @secondColor: @firstColor*3;
31  .color1{
32      color:@firstColor;
33  }
34  color2{
35      color:@secondColor;
36  }
```

GULP GET START

GETTING STARTED

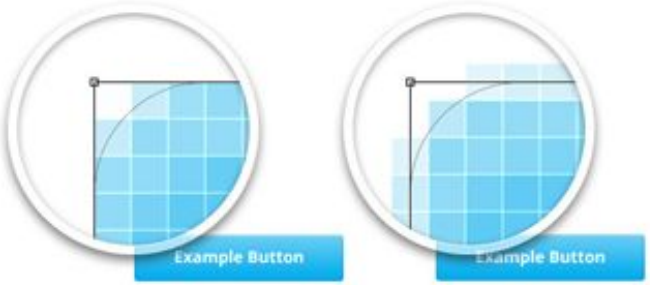
NPM RM --GLOBAL GULP

NPM INSTALL --GLOBAL GULP-CLI

NPM INSTALL --SAVE-DEV GULP

CREATE A GULPFILE.JS

TESTING



PIXELPERFECT

+

W3C VALIDATOR

W3C

YOUR QUESTIONS