HTML5
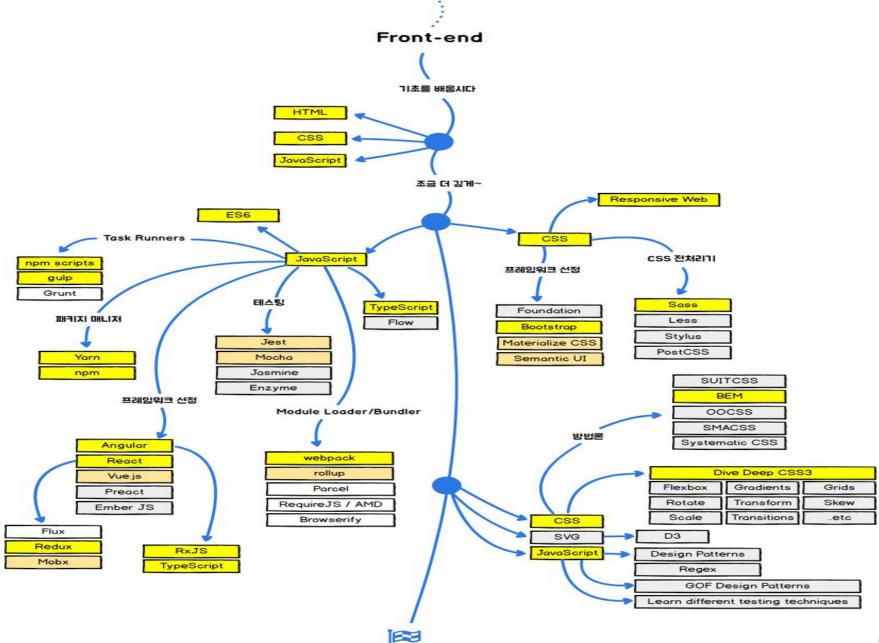# 웹 프로그래밍
입문 3판

윤인성 지음

부트스트랩

Contents

- **학습목표**
  - Bootstrap의 기본적인 내용을 학습한다.

- **내용**
  - Bootstrap 소개

참고 사이트

- **https://getbootstrap.com/**
- **https://www.w3schools.com/**
- **https://wrapbootstrap.com/**

크기

Breakpoint	Class infix	Dimensions
X-Small	*None*	<576px
Small	sm	≥576px
Medium	md	≥768px
Large	lg	≥992px
Extra large	xl	≥1200px
Extra extra large	xxl	≥1400px

Container

	Extra small <576px	Small ≥576px	Medium ≥768px	Large ≥992px	X-Large ≥1200px	XX-Large ≥1400px
.container	100%	540px	720px	960px	1140px	1320px
.container-sm	100%	540px	720px	960px	1140px	1320px
.container-md	100%	100%	720px	960px	1140px	1320px
.container-lg	100%	100%	100%	960px	1140px	1320px
.container-xl	100%	100%	100%	100%	1140px	1320px
.container-xxl	100%	100%	100%	100%	100%	1320px
.container-fluid	100%	100%	100%	100%	100%	100%

Fixed Container

- **Use the .container class to create a responsive, fixed-width container.**

- **Note that its width (max-width) will change on different screen sizes:**

	Extra small <576px	Small ≥576px	Medium ≥768px	Large ≥992px	Extra large ≥1200px
max−width	100%	540px	720px	960px	1140px

Col class

	xs <576px	sm ≥576px	md ≥768px	lg ≥992px	xl ≥1200px	xxl ≥1400px
Container max-width	None (auto)	540px	720px	960px	1140px	1320px
Class prefix	.col-	.col-sm-	.col-md-	.col-lg-	.col-xl-	.col-xxl-
# of columns	12					
Gutter width	1.5rem (.75rem on left and right)					
Custom gutters	Yes					
Nestable	Yes					
Column ordering	Yes					

Spacing

- **m - sets margin**
- **p - sets padding**
- **t - sets margin-top or padding-top**
- **b - sets margin-bottom or padding-bottom**
- **l - sets margin-left or padding-left**
- **r - sets margin-right or padding-right**
- **x - sets both padding-left and padding-right or margin-left and margin-right**
- **y - sets both padding-top and padding-bottom or margin-top and margin-bottom**
- **blank - sets a margin or padding on all 4 sides of the element**

Spacing

- **0 - sets margin or padding to 0**
- **1 - sets margin or padding to .25rem (4px if font-size is 16px)**
- **2 - sets margin or padding to .5rem (8px if font-size is 16px)**
- **3 - sets margin or padding to 1rem (16px if font-size is 16px)**
- **4 - sets margin or padding to 1.5rem (24px if font-size is 16px)**
- **5 - sets margin or padding to 3rem (48px if font-size is 16px)**
- **auto - sets margin to auto**

Note: margins can also be negative, by adding an "n" in front of *size*:

- **n1 - sets margin to -.25rem (-4px if font-size is 16px)**
- **n2 - sets margin to -.5rem (-8px if font-size is 16px)**
- **n3 - sets margin to -1rem (-16px if font-size is 16px)**
- **n4 - sets margin to -1.5rem (-24px if font-size is 16px)**
- **n5 - sets margin to -3rem (-48px if font-size is 16px)**

Grid Classes

- **.col- (extra small devices - screen width less than 576px)**
- **.col-sm- (small devices - screen width equal to or greater than 576px)**
- **.col-md- (medium devices - screen width equal to or greater than 768px)**
- **.col-lg- (large devices - screen width equal to or greater than 992px)**
- **.col-xl- (xlarge devices - screen width equal to or greater than 1200px)**

Thank You