

Bootstrap5

Bootstrap 5 개념 및 기본 사용법

김태민

저번에 우리는

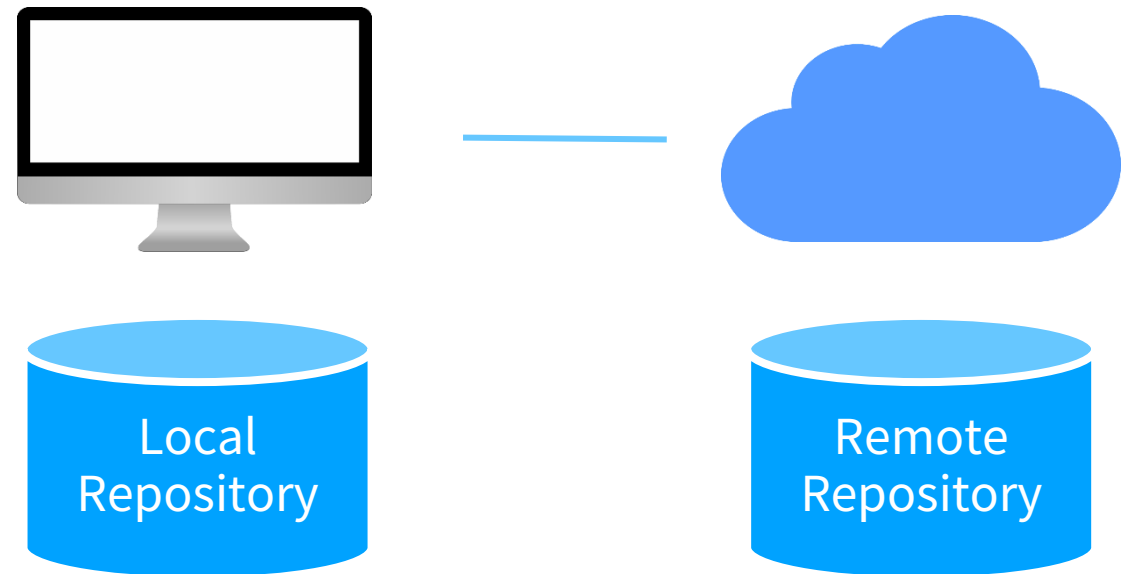
버전관리 Version Control System

파일 변경 이력을 기록하고 관리하는 방법

1. 협업 : 여러 사람이 동시에 작업 가능
2. 복구 : 실수해도 이전 버전으로 돌아감
3. 추적 : 누가 언제 무엇을 바꿨는지 확인 가능

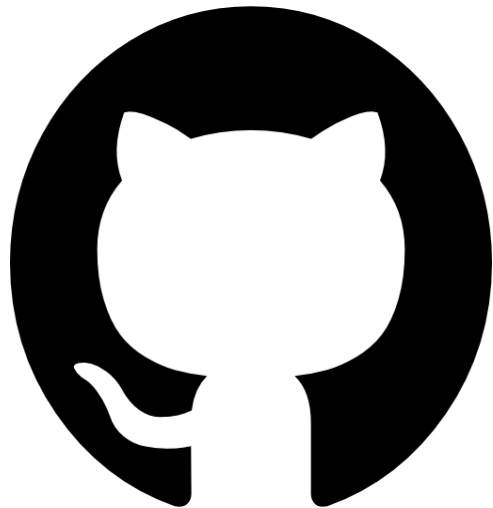
로컬저장소와 원격저장소

- ✓ Git의 두 가지 저장소
- ✓ 로컬은 내 컴퓨터에서 관리
- ✓ 원격은 온라인에 공유



원격저장소 Remote Repository

팀과 공유하며 어디서나 온라인으로 어디서나 접근 가능한 저장소



Github



GitLab



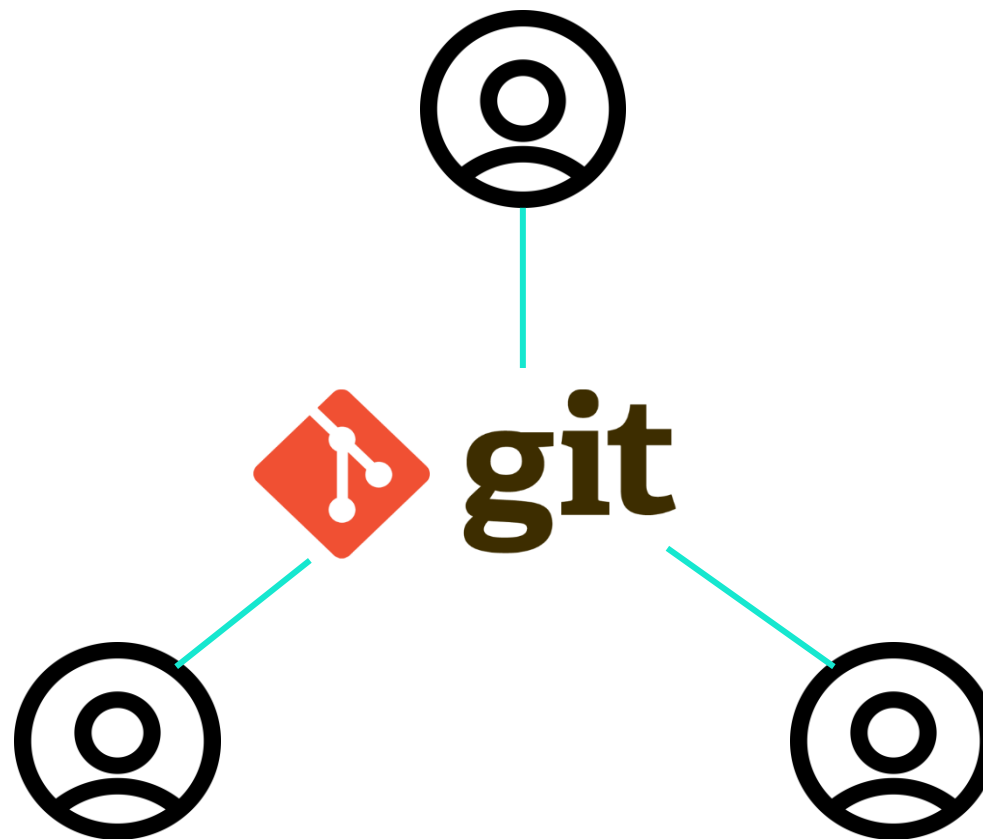
BitBucket

Git Workflow

Git을 사용해 코드를 체계적으로 관리하는 규칙

워크플로우를 통해
작업 분리와 체계적 병합

- ✓ 변경 사항 추적
- ✓ 협업 효율성 증대
- ✓ 충돌 최소화



충돌 해결

1. 충돌 파일 확인 : **git status** 실행
2. 수동 수정 : 코드 편집기로 충돌 파일을 열어 **마커를 제거**하고 원하는 코드로 수정
3. 병합 완료 : `git add ${파일명}` 으로 스테이징 후 **git commit** 으로 커밋

실습 환경

OS : Window / Mac

브라우저 : Chrome

에디터 : VS Code <https://code.visualstudio.com/>

VS Code 익스텐션 : ESLint, Prettier, HTML CSS Support, HTML to CSS autocompletion, Auto Rename Tag, Auto Close Tag, htmltagwrap

Git : git bash, github 가입

Bootstrap 개념

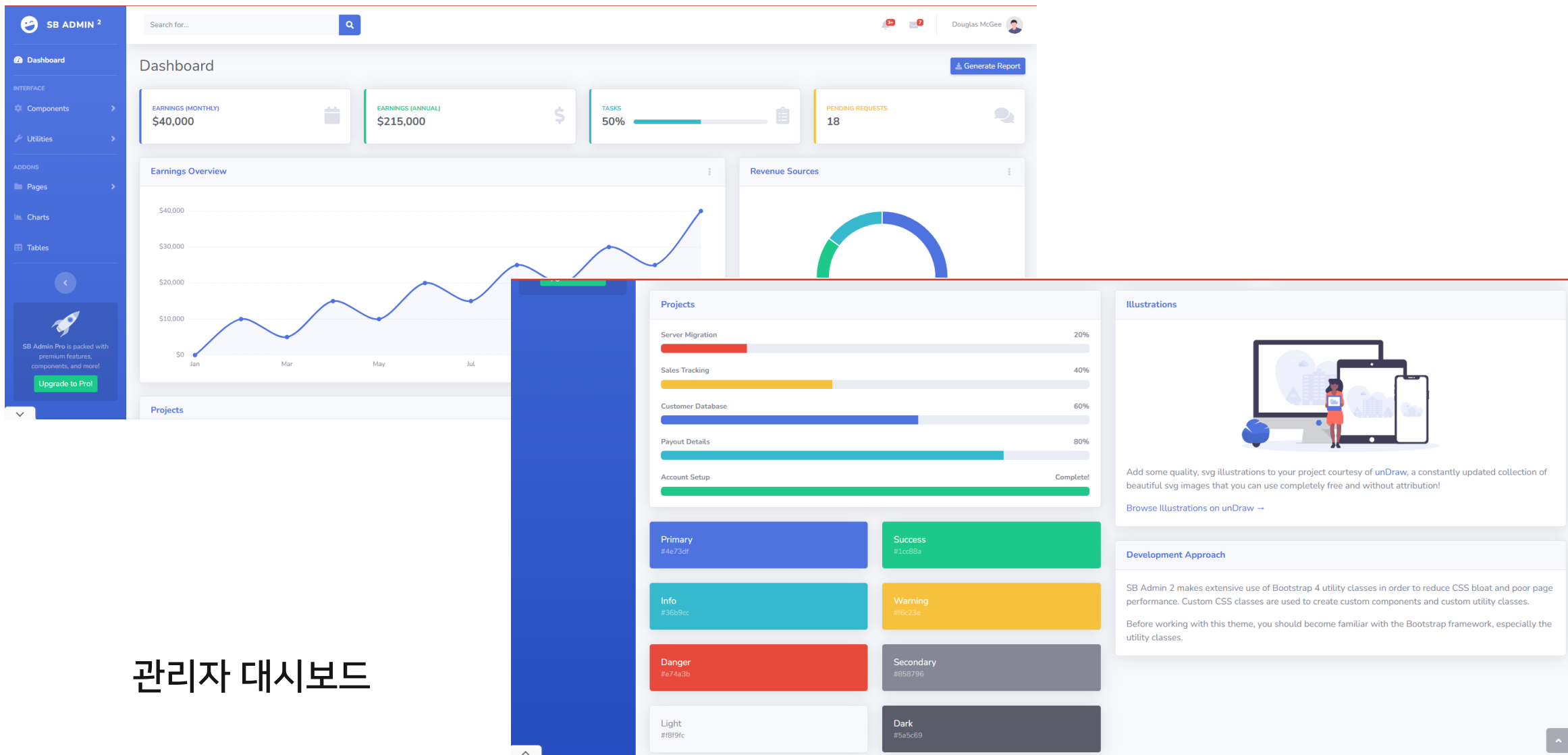
Bootstrap이란?

- Bootstrap은 반응형, 모바일 퍼스트 웹 개발을 위한 오픈소스 CSS 프레임워크
- HTML, CSS, JavaScript를 활용해 빠르고 일관된 UI 제공
- 2025년 기준, Bootstrap 5.0 사용 (jQuery 제거, 경량화)
- **모바일 퍼스트:** 기본 스타일이 작은 화면에 최적화, 미디어 쿼리로 큰 화면 지원
- **Flexbox 기반:** 유연한 레이아웃 구현
- **풍부한 컴포넌트:** 버튼, 폼, 네비게이션 바 등 사전 정의된 UI 제공
- **유틸리티 클래스:** 빠른 스타일링을 위한 클래스(text-center, d-flex 등)

빠른 프로토타이핑, 크로스 브라우저 호환성

Bootstrap 개념

오즈코딩스쿨 x 고용노동부 1인 창업가 개발부트캠프



SB ADMIN 2

Search for...

Dashboard

INTERFACE

- Components
- Utilities

ADDONS

- Pages
- Charts
- Tables

SB Admin Pro is packed with premium features, components, and more!

[Upgrade to Pro!](#)

Dashboard

Generate Report

EARNINGS (MONTHLY)
\$40,000

EARNINGS (ANNUAL)
\$215,000

TASKS
50%

PENDING REQUESTS
18

Earnings Overview

\$40,000
\$30,000
\$20,000
\$10,000
\$0

Jan Mar May Jul

Revenue Sources

Projects

Server Migration	20%
Sales Tracking	40%
Customer Database	60%
Payout Details	80%
Account Setup	Complete!

Primary
#4e73df

Success
#1cc88a

Info
#36b9ec

Warning
#ffc107

Danger
#e74c3c

Secondary
#858796

Light
#f8f9fc

Dark
#5a5c69

Illustrations

Add some quality, svg illustrations to your project courtesy of [unDraw](#), a constantly updated collection of beautiful svg images that you can use completely free and without attribution!

[Browse Illustrations on unDraw →](#)

Development Approach

SB Admin 2 makes extensive use of Bootstrap 4 utility classes in order to reduce CSS bloat and poor page performance. Custom CSS classes are used to create custom components and custom utility classes.

Before working with this theme, you should become familiar with the Bootstrap framework, especially the utility classes.

관리자 대시보드

Start Bootstrap

HomeAboutContactServices

Present your business in a whole new way

Quickly design and customize responsive mobile-first sites with Bootstrap, the world's most popular front-end open source toolkit!

Get Started

Learn More

Featured title

Paragraph of text beneath the heading to explain the heading. We'll add onto it with another sentence and probably just keep going until we run out of words.

Call to action →

Featured title

Paragraph of text beneath the heading to explain the heading. We'll add onto it with another sentence and probably just keep going until we run out of words.

Call to action →

블로그, 전자상거래 ...

Pay as you grow

With our no hassle pricing plans

FREE

\$0 / mo.

✓ 1 users

✓ 5GB storage

✓ Unlimited public projects

✓ Community access

× Unlimited private projects

× Dedicated support

× Free linked domain

× Monthly status reports

Choose plan

★ PRO

\$9 / mo.

✓ 5 users

✓ 5GB storage

✓ Unlimited public projects

✓ Community access

✓ Unlimited private projects

✓ Dedicated support

✓ Free linked domain

× Monthly status reports

Choose plan

ENTERPRISE

\$49 / mo.

✓ Unlimited users

✓ 5GB storage

✓ Unlimited public projects

✓ Community access

✓ Unlimited private projects

✓ Dedicated support

✓ Unlimited linked domains

✓ Monthly status reports

Choose plan

- <https://getbootstrap.com/docs/5.0/getting-started/introduction/>

Starter template

Be sure to have your pages set up with the latest design and development standards. That means using an HTML5 doctype and including a viewport meta tag for proper responsive behaviors. Put it all together and your pages should look like this:

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- Bootstrap CSS -->
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">

    <title>Hello, world!</title>
  </head>
  <body>
    <h1>Hello, world!</h1>

    <!-- Optional JavaScript; choose one of the two! -->

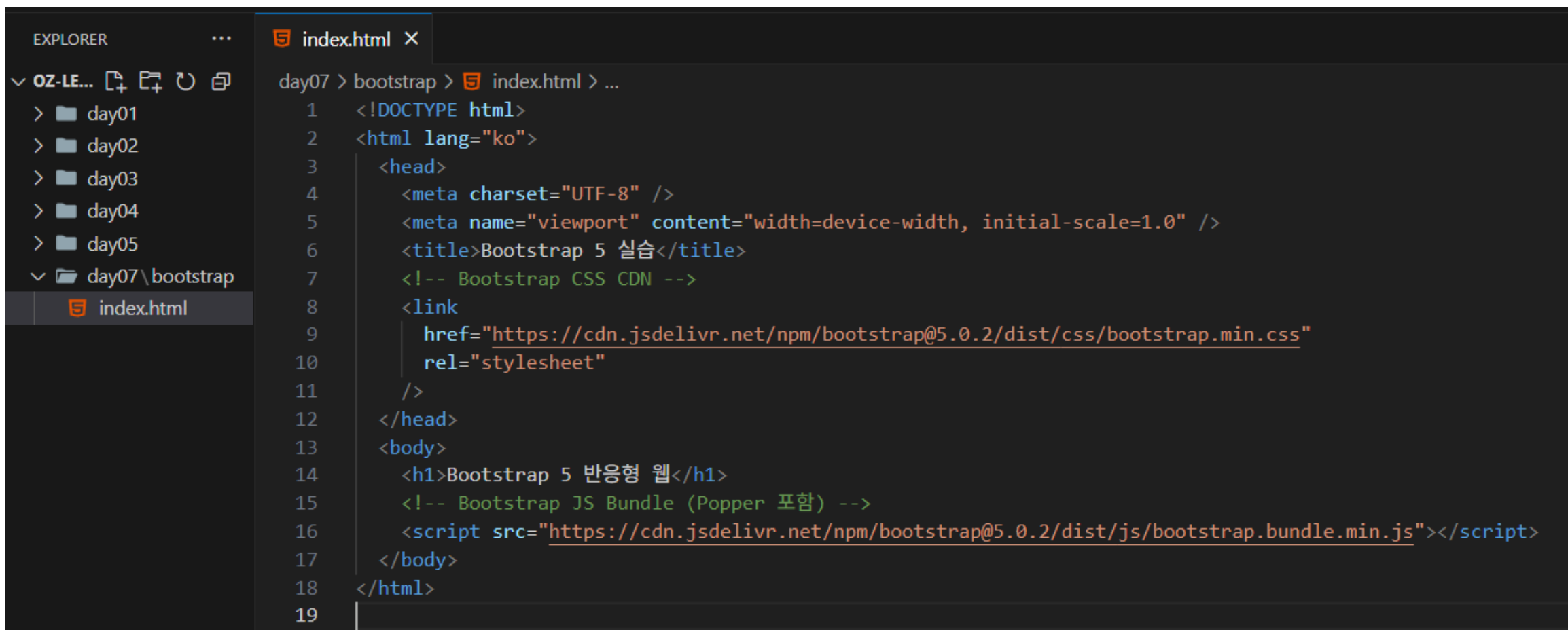
    <!-- Option 1: Bootstrap Bundle with Popper -->
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MXwKJF+tebXzgyS47s62G1+xrTm3G7sA7DvNGWs46xvVSTq4vudR72wM44Qji1"></script>

    <!-- Option 2: Separate Popper and Bootstrap JS -->
    <!--
    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js" integrity="sha384-IySoM7W4QfauqgySgkKowls2qNUKGYA9tBq346AM4LWKz60k9oc/PUI682fsO" crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js" integrity="sha384-MXwKJF+tebXzgyS47s62G1+xrTm3G7sA7DvNGWs46xvVSTq4vudR72wM44Qji1"></script>
    -->
  </body>
</html>
```



Day 07

- Bootstrap CDN 연결



The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows a directory structure with folders day01 through day05, and a folder day07\bootstrap containing an index.html file. The code editor shows the content of index.html, which is an HTML document with the following code:

```
1 <!DOCTYPE html>
2 <html lang="ko">
3   <head>
4     <meta charset="UTF-8" />
5     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6     <title>Bootstrap 5 실습</title>
7     <!-- Bootstrap CSS CDN -->
8     <link
9       href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
10      rel="stylesheet"
11    />
12   </head>
13   <body>
14     <h1>Bootstrap 5 반응형 웹</h1>
15     <!-- Bootstrap JS Bundle (Popper 포함) -->
16     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>
17   </body>
18 </html>
19
```


Grid System

There's a newer version of Bootstrap!

B

Home

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Examples

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Search docs...

Ctrl + /

Bootstrap v5.0

> Getting started

> Customize

> Layout

Breakpoints

Containers

Grid

Columns

Gutters

Utilities

Z-index

> Content

> Forms

> Components

> Helpers

> Utilities

> Extend

> About

Migration

Grid system

View on GitHub

Use our powerful mobile-first flexbox grid to build layouts of all shapes and sizes thanks to a twelve column system, six default responsive tiers, Sass variables and mixins, and dozens of predefined classes.

Check out the latest remote job listings from the leading job board for designers, developers, and creative pros.

ads via Carbon

Example

Bootstrap's grid system uses a series of containers, rows, and columns to layout and align content. It's built with [flexbox](#) and is fully responsive. Below is an example and an in-depth explanation for how the grid system comes together.

New to or unfamiliar with flexbox? [Read this CSS Tricks flexbox guide](#) for background, terminology, guidelines, and code snippets.

Column

Column

Column

강력한 Mobile-First
플렉스 박스 그리드를
사용하여 12개의 컬럼 시스템,
6개의 기본 응답 계층,
Sass 변수 및 믹스인,
그리고 수십 개의
미리 정의된 클래스를 통해
모든 모양과 크기의
레이아웃을 구축하세요.

Bootstrap Grid System

- Flexbox 기반의 12열 그리드 시스템. 컨테이너, 행, 열로 구성, 반응형 레이아웃 지원

구성 요소:

- 컨테이너: .container (고정 너비), .container-fluid (전체 너비)
- 행(Row): .row로 열 그룹화, 자동 간격(gutter) 제공
- 열(Column): .col-*로 12개 열 분할, 반응형 접두사(sm, md, lg, xl, xxl)

반응형 브레이크포인트:

- xs (<576px), sm (≥576px), md (≥768px), lg (≥992px), xl (≥1200px), xxl (≥1400px)

Grid Options

- Extra small (xs)
- Small (sm)
- Medium (md)
- Large (lg)
- Extra large (xl)
- Extra extra large (xxl)

	xs <576px	sm ≥576px	md ≥768px	lg ≥992px	xl ≥1200px	xxl ≥1400px
Container <small>max-width</small>	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					

Equal-width

1 of 2

2 of 2

1 of 3

2 of 3

3 of 3

```
<div class="container">
  <div class="row">
    <div class="col">
      1 of 2
    </div>
    <div class="col">
      2 of 2
    </div>
  </div>
  <div class="row">
    <div class="col">
      1 of 3
    </div>
    <div class="col">
      2 of 3
    </div>
    <div class="col">
      3 of 3
    </div>
  </div>
</div>
```

Copy

Setting one column width

1 of 3	2 of 3 (wider)	3 of 3
1 of 3	2 of 3 (wider)	3 of 3

```
<div class="container">
  <div class="row">
    <div class="col">
      1 of 3
    </div>
    <div class="col-6">
      2 of 3 (wider)
    </div>
    <div class="col">
      3 of 3
    </div>
  </div>
  <div class="row">
    <div class="col">
      1 of 3
    </div>
    <div class="col-5">
      2 of 3 (wider)
    </div>
    <div class="col">
      3 of 3
    </div>
  </div>
</div>
```

Copy

Variable width content

1 of 3

Variable width content

3 of 3

1 of 3

Variable width content

3 of 3

```
<div class="container">  
  <div class="row justify-content-md-center">  
    <div class="col col-lg-2">  
      1 of 3  
    </div>  
    <div class="col-md-auto">  
      Variable width content  
    </div>  
    <div class="col col-lg-2">  
      3 of 3  
    </div>  
  </div>  
</div>  
<div class="row">  
  <div class="col">  
    1 of 3  
  </div>  
  <div class="col-md-auto">  
    Variable width content  
  </div>  
  <div class="col col-lg-2">  
    3 of 3  
  </div>  
</div>  
</div>
```

Copy

Mix and Match

.col-md-8

.col-6 .col-md-4

.col-6 .col-md-4

.col-6 .col-md-4

.col-6 .col-md-4

.col-6

.col-6

```
<div class="container">
  <!-- Stack the columns on mobile by making one full-width and the other half-width -->
  <div class="row">
    <div class="col-md-8">.col-md-8</div>
    <div class="col-6 col-md-4">.col-6 .col-md-4</div>
  </div>

  <!-- Columns start at 50% wide on mobile and bump up to 33.3% wide on desktop -->
  <div class="row">
    <div class="col-6 col-md-4">.col-6 .col-md-4</div>
    <div class="col-6 col-md-4">.col-6 .col-md-4</div>
    <div class="col-6 col-md-4">.col-6 .col-md-4</div>
  </div>

  <!-- Columns are always 50% wide, on mobile and desktop -->
  <div class="row">
    <div class="col-6">.col-6</div>
    <div class="col-6">.col-6</div>
  </div>
</div>
```

Copy

Row Columns

Column	Column	Column
Column		

```
<div class="container">
  <div class="row row-cols-3">
    <div class="col">Column</div>
    <div class="col">Column</div>
    <div class="col">Column</div>
    <div class="col">Column</div>
  </div>
</div>
```

[Copy](#)

Row Columns

Column	Column	Column	Column
--------	--------	--------	--------

```
<div class="container">
  <div class="row row-cols-auto">
    <div class="col">Column</div>
    <div class="col">Column</div>
    <div class="col">Column</div>
    <div class="col">Column</div>
  </div>
</div>
```

Copy

Row Columns

Column	Column	Column
Column		

```
<div class="container">
  <div class="row row-cols-4">
    <div class="col">Column</div>
    <div class="col">Column</div>
    <div class="col-6">Column</div>
    <div class="col">Column</div>
  </div>
</div>
```

Copy

Row Columns

Column		Column		Column	
Column		Column		Column	
Column	Column	Column	Column	Column	Column

```
<div class="container">
  <div class="row row-cols-2 row-cols-lg-3">
    <div class="col">Column</div>
    <div class="col">Column</div>
    <div class="col">Column</div>
    <div class="col">Column</div>
    <div class="col">Column</div>
    <div class="col">Column</div>
    <div class="col-4 col-lg-2">Column</div>
    <div class="col-4 col-lg-2">Column</div>
    <div class="col-4 col-lg-2">Column</div>
    <div class="col-4 col-lg-2">Column</div>
    <div class="col-4 col-lg-2">Column</div>
    <div class="col-4 col-lg-2">Column</div>
  </div>
</div>
```

Copy

Day 07

- Body 내에 Container, col 추가

```
<body>|
<h1>Bootstrap 5 반응형 웹</h1>
<div class="container">
  <div class="row">
    <div class="col-sm-4 bg-light p-3">열 1</div>
    <div class="col-sm-4 bg-light p-3">열 2</div>
    <div class="col-sm-4 bg-light p-3">열 3</div>
  </div>
</div>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>
<!-- Bootstrap JS Bundle (Popper 포함) -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>
</body>
```

Components

Components

- 웹 페이지의 사용자 인터페이스를 구성하는 재사용 가능한 구성 요소
- Bootstrap 5에서는 사전 스타일링된 컴포넌트를 제공하여 빠르고 일관된 UI 구현

Bootstrap 컴포넌트 사용 목적

- 사용자 경험(UX) 개선: 직관적이고 접근 가능한 인터페이스 제공
- 개발 효율성: 재사용 가능한 코드로 개발 시간 단축
- 일관성 유지: 통일된 디자인 시스템으로 브랜드 정체성 강화

Components		
Accordion	Close button	Pagination
Alerts	Collapse	Popovers
Badge	Dropdowns	Progress
Breadcrumb	List group	Scrollspy
Buttons	Modal	Spinners
Button group	Navs & tabs	Toasts
Card	Navbar	Tooltips
Carousel	Offcanvas	

Components – Button

<https://getbootstrap.com/docs/5.0/components/buttons/>

Button Color



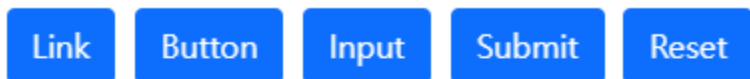
```
<button type="button" class="btn btn-primary">Primary</button>
<button type="button" class="btn btn-secondary">Secondary</button>
<button type="button" class="btn btn-success">Success</button>
<button type="button" class="btn btn-danger">Danger</button>
<button type="button" class="btn btn-warning">Warning</button>
<button type="button" class="btn btn-info">Info</button>
<button type="button" class="btn btn-light">Light</button>
<button type="button" class="btn btn-dark">Dark</button>

<button type="button" class="btn btn-link">Link</button>
```

Copy

Components – Button

Button Tags



```
<a class="btn btn-primary" href="#" role="button">Link</a>  
<button class="btn btn-primary" type="submit">Button</button>  
<input class="btn btn-primary" type="button" value="Input">  
<input class="btn btn-primary" type="submit" value="Submit">  
<input class="btn btn-primary" type="reset" value="Reset">
```

Copy

Components – Button

Button Outlines



```
<button type="button" class="btn btn-outline-primary">Primary</button>  
<button type="button" class="btn btn-outline-secondary">Secondary</button>  
<button type="button" class="btn btn-outline-success">Success</button>  
<button type="button" class="btn btn-outline-danger">Danger</button>  
<button type="button" class="btn btn-outline-warning">Warning</button>  
<button type="button" class="btn btn-outline-info">Info</button>  
<button type="button" class="btn btn-outline-light">Light</button>  
<button type="button" class="btn btn-outline-dark">Dark</button>
```

Copy

Components – Button

Button Sizes

Large button

Large button

```
<button type="button" class="btn btn-primary btn-lg">Large button</button>  
<button type="button" class="btn btn-secondary btn-lg">Large button</button>
```

Copy

Small button

Small button

```
<button type="button" class="btn btn-primary btn-sm">Small button</button>  
<button type="button" class="btn btn-secondary btn-sm">Small button</button>
```

Copy

Components – Button

Disabled State



```
<button type="button" class="btn btn-lg btn-primary disabled">Primary button</button>  
<button type="button" class="btn btn-secondary btn-lg disabled">Button</button>
```

Copy



```
<a href="#" class="btn btn-primary btn-lg disabled" tabindex="-1" role="button" aria-disabled="true">Primary link</a>  
<a href="#" class="btn btn-secondary btn-lg disabled" tabindex="-1" role="button" aria-disabled="true">Link</a>
```

Copy

Components – Form

Overview

<https://getbootstrap.com/docs/5.0/forms/overview/>

Email address

We'll never share your email with anyone else.

Password

☐ Check me out

Submit

Copy

```
<form>
  <div class="mb-3">
    <label for="exampleInputEmail1" class="form-label">Email address</label>
    <input type="email" class="form-control" id="exampleInputEmail1" aria-describedby="emailHelp">
    <div id="emailHelp" class="form-text">We'll never share your email with anyone else.</div>
  </div>
  <div class="mb-3">
    <label for="exampleInputPassword1" class="form-label">Password</label>
    <input type="password" class="form-control" id="exampleInputPassword1">
  </div>
  <div class="mb-3 form-check">
    <input type="checkbox" class="form-check-input" id="exampleCheck1">
    <label class="form-check-label" for="exampleCheck1">Check me out</label>
  </div>
  <button type="submit" class="btn btn-primary">Submit</button>
</form>
```

Components – Form

Form control

Input

textarea

Email address

ffgf

Example textarea

gfgfgfgf


```
<div class="mb-3">
  <label for="exampleFormControlInput1" class="form-label">Email address</label>
  <input type="email" class="form-control" id="exampleFormControlInput1" placeholder="name@example.com">
</div>
<div class="mb-3">
  <label for="exampleFormControlTextarea1" class="form-label">Example textarea</label>
  <textarea class="form-control" id="exampleFormControlTextarea1" rows="3"></textarea>
</div>
```

Copy

Components – Form Validation


<https://getbootstrap.com/docs/5.0/forms/validation/>

First name

Mark 


Looks good!

Last name

Otto 


Looks good!

Username

@ 



Please choose a username.

City




Please provide a valid city.

State

Choose...  

Please select a valid state.

Zip



Please provide a valid zip.

☐ Agree to terms and conditions

You must agree before submitting.

Submit form

Components – Navbar

<https://getbootstrap.com/docs/5.0/components/navbar/>

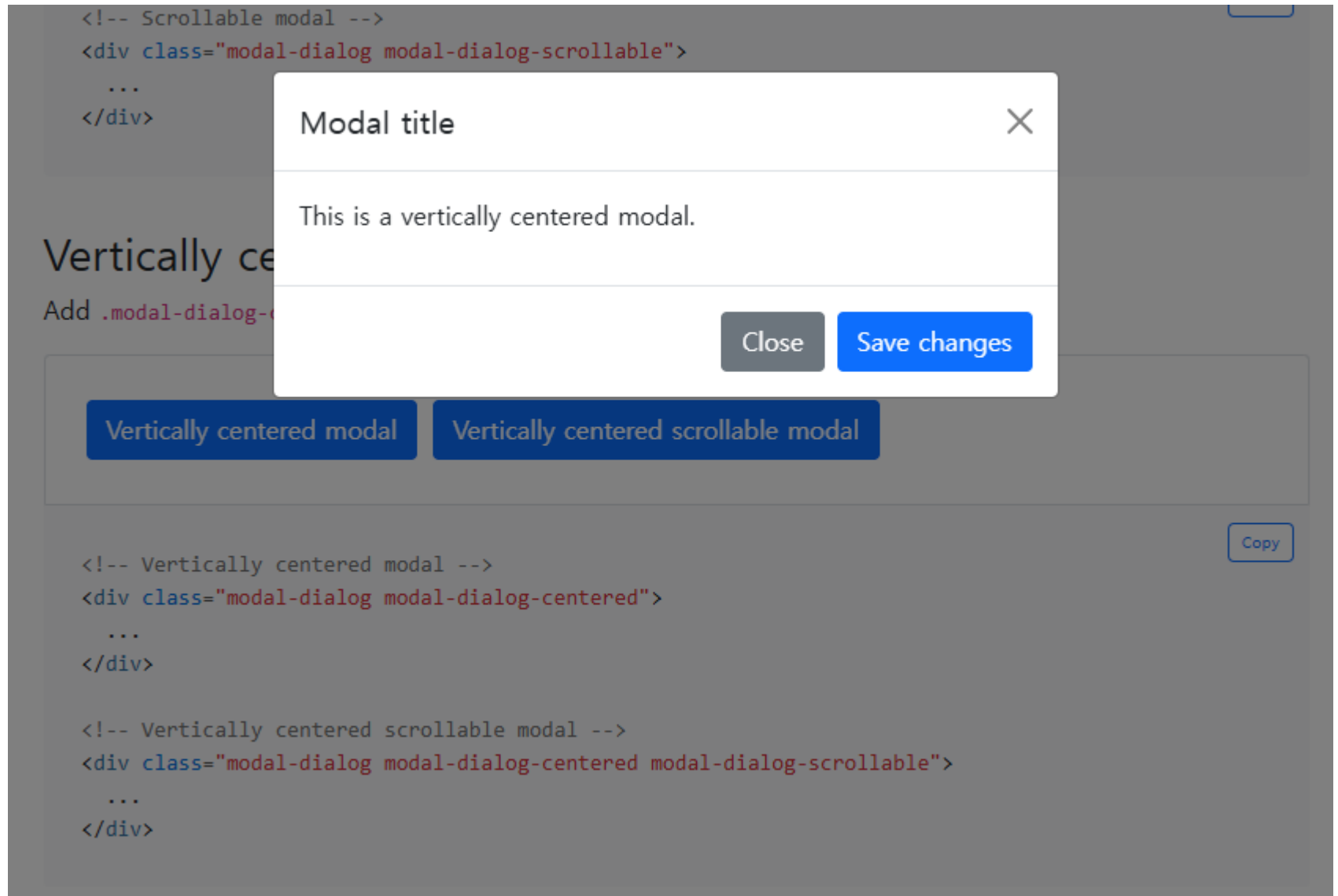
Navbar Home Features Pricing Disabled

```
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">Navbar</a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarI
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarNav">
      <ul class="navbar-nav">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="#">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Features</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Pricing</a>
        </li>
        <li class="nav-item">
          <a class="nav-link disabled" href="#" tabindex="-1" aria-disabled="true">Disabled</a>
        </li>
      </ul>
    </div>
  </div>
</nav>
```

Copy

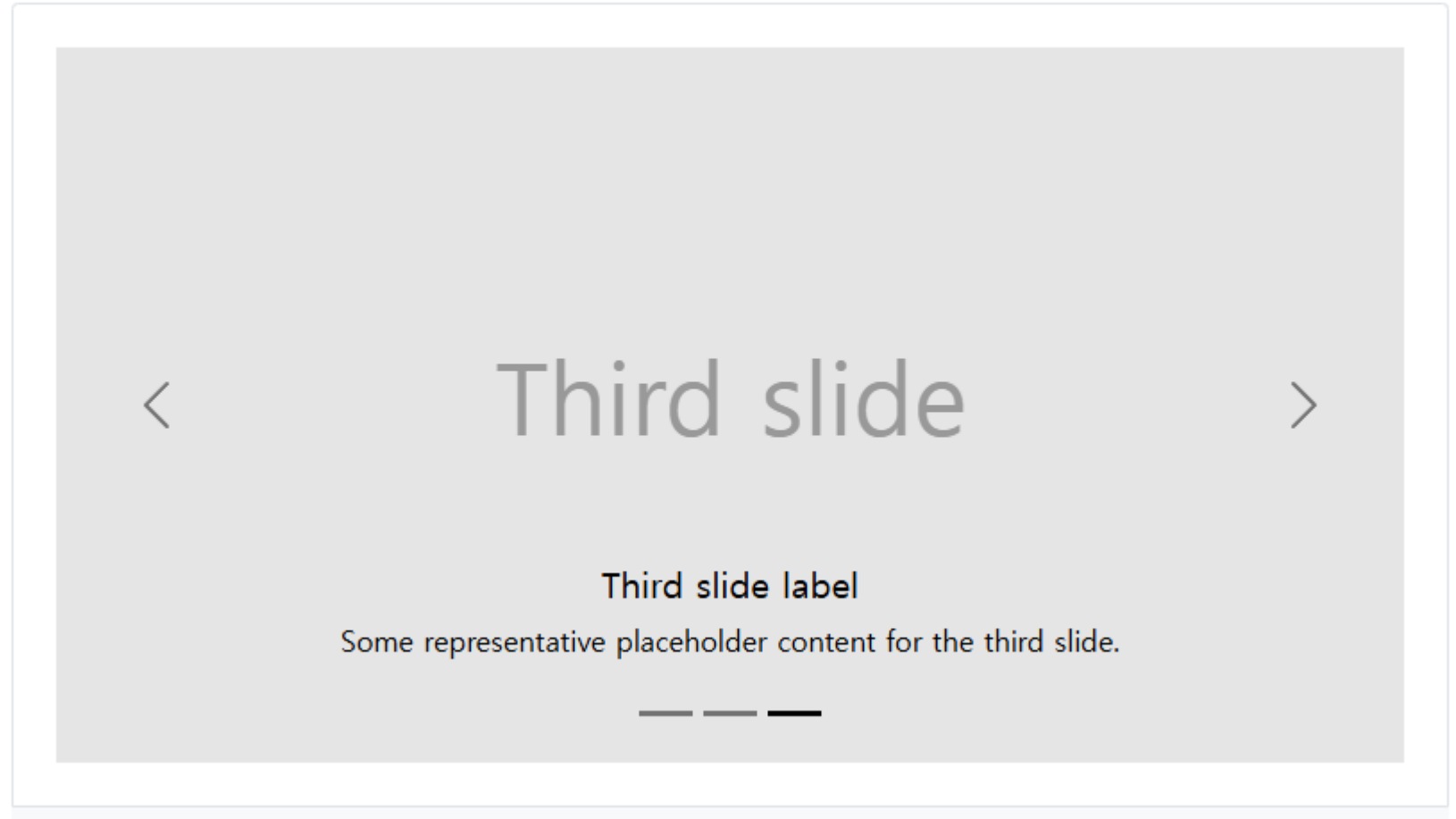
Components -Modal

<https://getbootstrap.com/docs/5.0/components/modal/>



Components –Carousel

<https://getbootstrap.com/docs/5.0/components/carousel/>



Card

<https://getbootstrap.com/docs/5.0/components/card/>

Featured

Special title treatment

With supporting text below as a natural lead-in to additional content.

Go somewhere

```
<div class="card">
  <h5 class="card-header">Featured</h5>
  <div class="card-body">
    <h5 class="card-title">Special title treatment</h5>
    <p class="card-text">With supporting text below as a natural lead-in to additional content.</p>
    <a href="#" class="btn btn-primary">Go somewhere</a>
  </div>
</div>
```

Copy

Utility Class

Utility Class

- 간단한 CSS 클래스들로, 빠르고 직관적인 스타일링과 레이아웃 조정을 가능하게 함
- 커스텀 CSS 작성 없이 요소의 정렬, 여백, 디스플레이, 색상 등을 조정
- 복잡한 CSS 규칙 대신 간단한 클래스 이름
- **반응형 디자인**: 반응형 접두사(sm, md, lg 등)를 활용해 다양한 화면 크기에 대응

Utilities

API

	Float	Shadows
Background	Interactions	Sizing
Borders	Link	Spacing
Colors	Object fit	Text
Display	Opacity	Vertical align
Flex	Overflow	Visibility
	Position	Z-index

Text 정렬

Start aligned text on all viewport sizes.

Center aligned text on all viewport sizes.

End aligned text on all viewport sizes.

End aligned text on viewports sized SM (small) or wider.

End aligned text on viewports sized MD (medium) or wider.

End aligned text on viewports sized LG (large) or wider.

End aligned text on viewports sized XL (extra large) or wider.

End aligned text on viewports sized XXL (extra extra large) or wider.

HTML



```
<p class="text-start">Start aligned text on all viewport sizes.</p>
<p class="text-center">Center aligned text on all viewport sizes.</p>
<p class="text-end">End aligned text on all viewport sizes.</p>

<p class="text-sm-end">End aligned text on viewports sized SM (small) or wider.</p>
<p class="text-md-end">End aligned text on viewports sized MD (medium) or wider.</p>
<p class="text-lg-end">End aligned text on viewports sized LG (large) or wider.</p>
<p class="text-xl-end">End aligned text on viewports sized XL (extra large) or wider.</p>
<p class="text-xxl-end">End aligned text on viewports sized XXL (extra extra large) or wider.</p>
```

<https://getbootstrap.com/docs/5.3/utilities/text/>

Font Size

.fs-1 text

.fs-2 text

.fs-3 text

.fs-4 text

.fs-5 text

.fs-6 text

HTML



```
<p class="fs-1">.fs-1 text</p>
<p class="fs-2">.fs-2 text</p>
<p class="fs-3">.fs-3 text</p>
<p class="fs-4">.fs-4 text</p>
<p class="fs-5">.fs-5 text</p>
<p class="fs-6">.fs-6 text</p>
```

<https://getbootstrap.com/docs/5.3/utilities/text/>

Flex

I'm a flexbox container!

HTML



```
<div class="d-flex p-2">I'm a flexbox container!</div>
```

I'm an inline flexbox container!

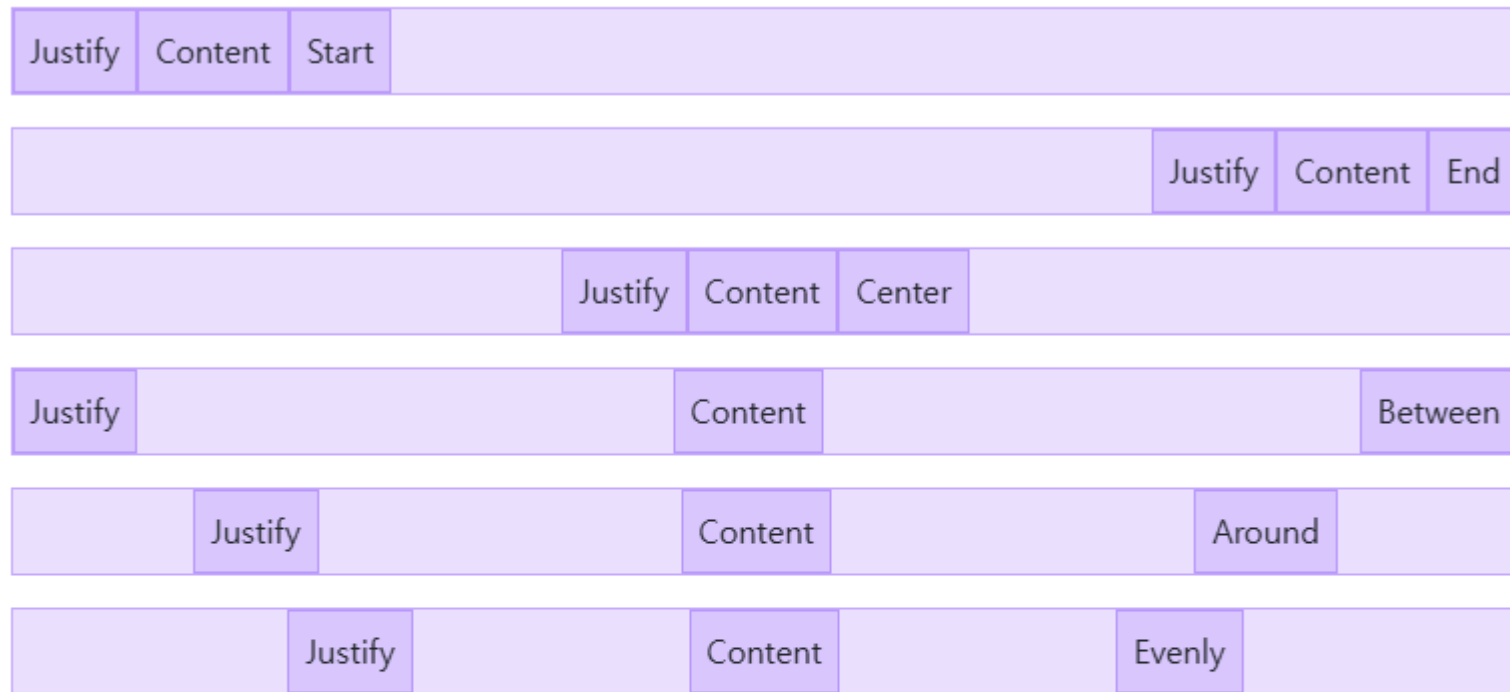
HTML



```
<div class="d-inline-flex p-2">I'm an inline flexbox container!</div>
```

<https://getbootstrap.com/docs/5.3/utilities/flex/#enable-flex-behaviors>

Flex



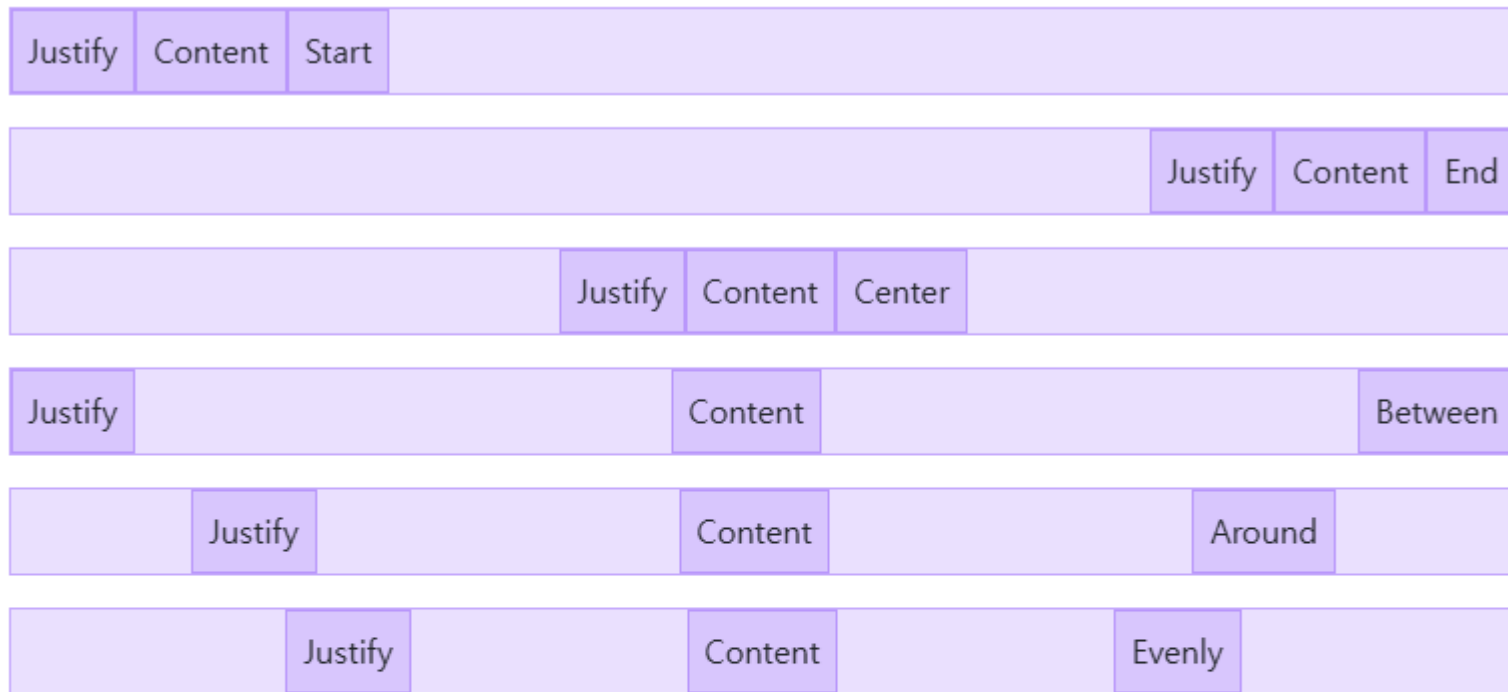
<https://getbootstrap.com/docs/5.3/utilities/flex/#enable-flex-behaviors>

```
<div class="d-flex justify-content-start">...</div>  
<div class="d-flex justify-content-end">...</div>  
<div class="d-flex justify-content-center">...</div>  
<div class="d-flex justify-content-between">...</div>  
<div class="d-flex justify-content-around">...</div>  
<div class="d-flex justify-content-evenly">...</div>
```



Flex

Justify content



<https://getbootstrap.com/docs/5.3/utilities/flex/#enable-flex-behaviors>

```
<div class="d-flex justify-content-start">...</div>
<div class="d-flex justify-content-end">...</div>
<div class="d-flex justify-content-center">...</div>
<div class="d-flex justify-content-between">...</div>
<div class="d-flex justify-content-around">...</div>
<div class="d-flex justify-content-evenly">...</div>
```



Utility Class

Flex

Align items

<https://getbootstrap.com/docs/5.3/utilities/flex/#enable-flex-behaviors>

Flex item Flex item Flex item

Flex item Flex item Flex item

Flex item Flex item Flex item

Flex item Flex item Flex item

Flex item Flex item Flex item

```
<div class="d-flex align-items-start">...</div>
<div class="d-flex align-items-end">...</div>
<div class="d-flex align-items-center">...</div>
<div class="d-flex align-items-baseline">...</div>
<div class="d-flex align-items-stretch">...</div>
```



Spacing

Notation

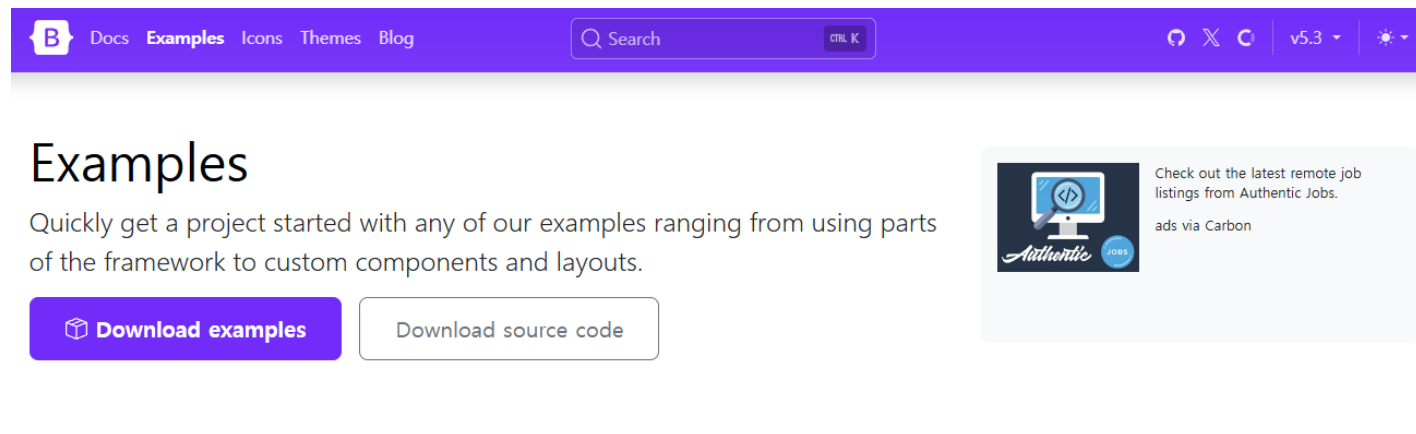
<https://getbootstrap.com/docs/5.3/utilities/spacing/#notation>

```
.mt-0 {  
  margin-top: 0 !important;  
}  
  
.ms-1 {  
  margin-left: ($spacer * .25) !important;  
}  
  
.px-2 {  
  padding-left: ($spacer * .5) !important;  
  padding-right: ($spacer * .5) !important;  
}  
  
.p-3 {  
  padding: $spacer !important;  
}
```

클론코딩 미니프로젝트

자기소개 페이지 **HTML / CSS / Bootstrap**으로 구현

<https://getbootstrap.com/docs/5.3/examples/>



Starters

Functional examples of using Bootstrap in common JS frameworks like Webpack, Parcel, Vite, and more you can edit in StackBlitz.

[CDN starter](#)

Instantly include Bootstrap's compiled CSS and JavaScript via the jsDelivr CDN.

 [Edit in StackBlitz](#)

[Sass & JS](#)

Use npm to import and compile Bootstrap's Sass with Autoprefixer and Stylelint, plus our bundled JavaScript.

 [Edit in StackBlitz](#)

[Sass & ESM JS](#)

Import and compile Bootstrap's Sass with Autoprefixer and Stylelint, and compile our source JavaScript with an ESM shim.

 [Edit in StackBlitz](#)

[Bootstrap color modes](#)

Import and compile Bootstrap's Sass with Stylelint, and the Bootstrap color modes.

 [Edit in StackBlitz](#)

[Bootstrap Icons](#)

Import and compile Bootstrap's Sass with Stylelint, PurgeCSS, and the Bootstrap Icons web font.

 [Edit in StackBlitz](#)

[Parcel](#)

Import and bundle Bootstrap's source Sass and JavaScript via Parcel.

 [Edit in StackBlitz](#)

[React](#)

Import and bundle Bootstrap's source Sass and

[Vite](#)

Import and bundle Bootstrap's source Sass and

[Vue](#)

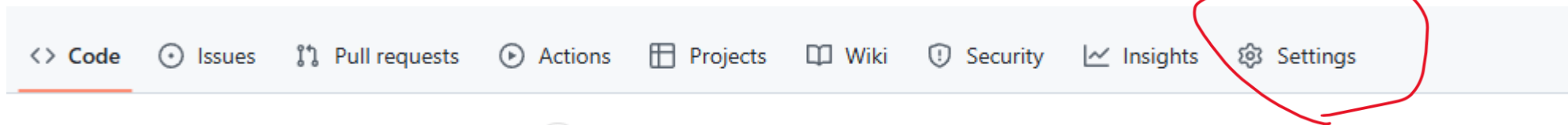
Import and bundle Bootstrap's source Sass and

새로운 git repository 생성

Repository 생성시 마지막에 github.io

이전 과제 참고하여 자기소개 페이지를 위한 git repository 생성

Repository 화면에서 Settings 이동



새로운 git repository 생성

좌측 Pages 메뉴 선택
Deploy from a branch
Branch : main

The screenshot displays the GitHub repository settings interface. On the left sidebar, the 'Pages' menu item is highlighted. The main content area shows the 'GitHub Pages' settings. Under the 'Build and deployment' section, the 'Source' is set to 'Deploy from a branch'. The 'Branch' dropdown is set to 'main'. A 'Select branch' modal is open, showing a search bar and a list of branches with 'main' selected. The 'Preview' button is visible next to the 'Models' option in the sidebar.

새로운 git repository 생성

생성에 조금 시간 걸릴 수 있음.

Pages 화면에 재접속하면 링크 확인 가능

GitHub Pages

[GitHub Pages](#) is designed to host your personal, organization, or project pages from a GitHub repository.

Your site is live at <https://goodpineapple.github.io/portfolio.github.io/>

Last [deployed](#) by  [GoodPineApple](#) now

[Visit site](#)

...

오늘 우리는

감사합니다