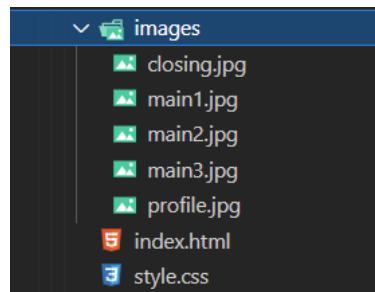


# [project1] portpolio

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📅 날짜	

## 1주차 프로젝트 : 포트폴리오 제작

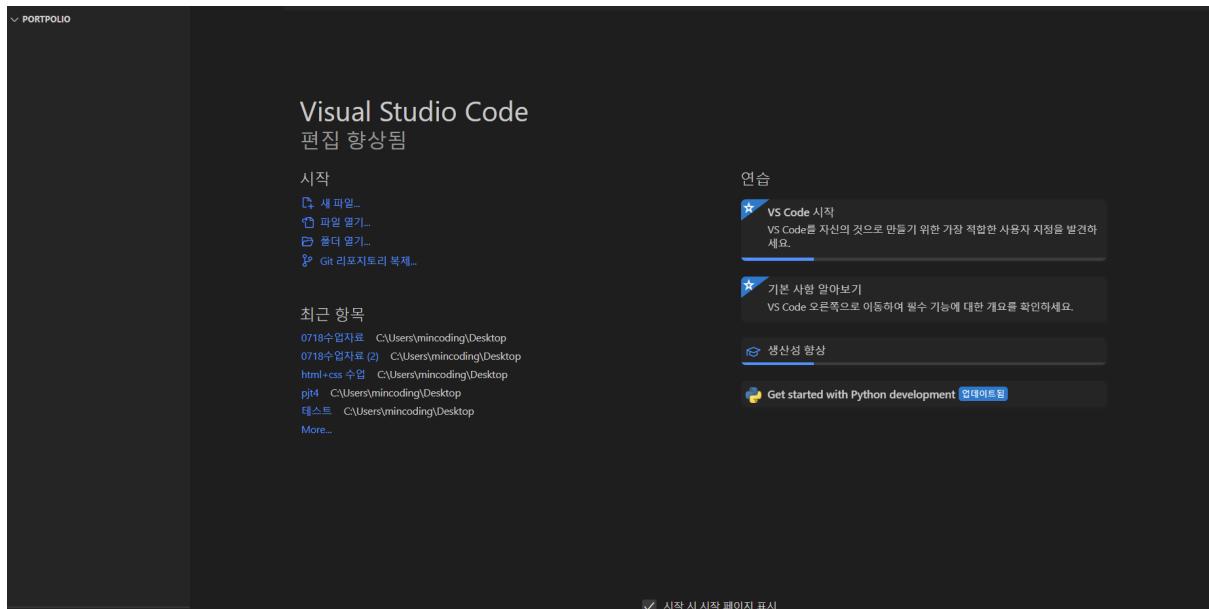
프로젝트 구성



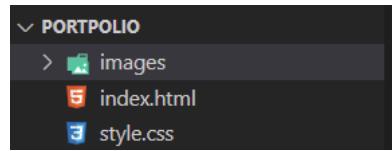
index.html 파일 / style.css 파일 / images 폴더(이미지 5장 필요) 구성

## 개발환경 구성

portpolio 폴더를 생성한 후, vscode에 작업 환경 구성합니다.



index.html 파일과 style.css 파일 images 폴더를 생성합니다.



bootstrap 프레임워크를 적용하기 위해, bootstrap 홈페이지 방문합니다.



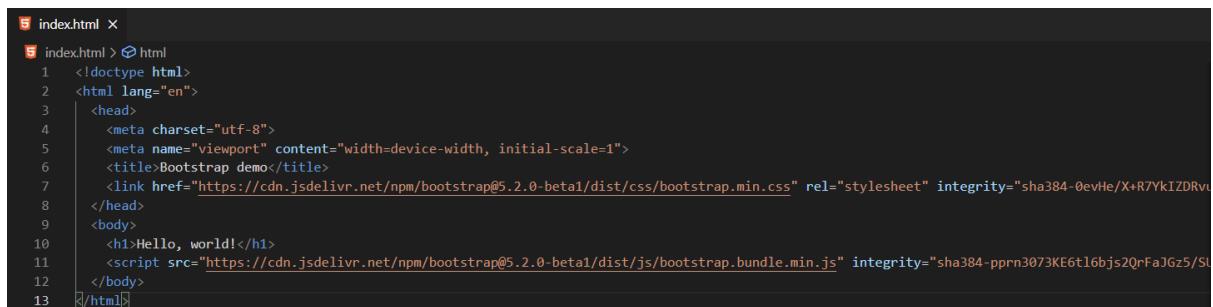
Docs → introduction에 방문 → **Include Bootstrap's CSS and JS**의 데모를 복사합니다.

2. **Include Bootstrap's CSS and JS.** Place the `<link>` tag in the `<head>` for our CSS, and the `<script>` tag for our JavaScript bundle (including Popper for positioning dropdowns, poppers, and tooltips) before the closing `</body>`. Learn more about our [CDN links](#).



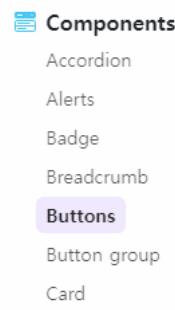
```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Bootstrap demo</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-0evHe/X+R7YkIZDRvu" crossorigin="anonymous">
  </head>
  <body>
    <h1>Hello, world!</h1>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-pprn3073KE6tl6js2QrFaJGz5/S" crossorigin="anonymous">
  </body>
</html>
```

\index.html 파일에 붙여넣기 합니다.



```
index.html ×
index.html > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="utf-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1">
6    <title>Bootstrap demo</title>
7    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-0evHe/X+R7YkIZDRvu" crossorigin="anonymous">
8  </head>
9  <body>
10   <h1>Hello, world!</h1>
11   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-pprn3073KE6tl6js2QrFaJGz5/S" crossorigin="anonymous">
12 </body>
13 </html>
```

bootstrap이 적용되었는지 확인하기 위해, components → button에 방문하여



버튼을 가져와서 테스트 해보겠습니다.

```
<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>
```

라이브 서버를 실행해서 디자인 된 버튼이 화면에 출력 되면 프로젝트를 시작할 준비가 되었습니다.

## Hello, world!



프로젝트 시작

### head 태그

```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Bootstrap demo</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-0evH/>
  </head>
  <body>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-pprn3073KE6tl6b/>
  </body>
</html>
```

상단의 head 태그 안의 타이틀부터 변경하였습니다.

```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>김싸피의 포트폴리오</title>
    <link rel="stylesheet" href=".style.css">
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-pprn3073KE6tl6b" integrity="sha384-pprn3073KE6tl6b" />
  </head>
  <body>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-pprn3073KE6tl6b" integrity="sha384-pprn3073KE6tl6b" />
  </body>
</html>
```

## body 태그

프로젝트는 **3개의 영역으로 구성되어 있습니다.**

```
<header></header>
<main></main>
<footer></footer>
```

여기까지 작성한 파일을 다운로드 받고 싶은 경우 v1 파일을 사용합니다

---

header 영역 → navigation

## Components

Accordion

Alerts

Badge

Breadcrumb

Buttons

Button group

Card

Carousel

Close button

Collapse

Dropdowns

List group

Modal

### **Navbar**

Navs & tabs

Offcanvas

Pagination

Placeholders

Popovers

Progress

Scrollspy

Spinners

Toasts

Tooltips

bootstrap 홈페이지의 components에서 Navbar에 접근합니다.

위에서 5번째의 **NAV**를 찾아, 복사 붙여넣기 합니다.

## Nav #

Navbar navigation links build on our `.nav` options with their own modifier class and require the use of [toggler classes](#) for proper responsive styling. **Navigation in navbars will also grow to occupy as much horizontal space as possible** to keep your navbar contents securely aligned.

Add the `.active` class on `.nav-link` to indicate the current page.

Please note that you should also add the `aria-current="page"` attribute on the active `.nav-link`.

Navbar Home Features Pricing Disabled

HTML



```
<nav class="navbar navbar-expand-lg 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="#navbarNav">
      <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">Disabled</a>
        </li>
      </ul>
    </div>
  </div>
</nav>
```

Navbar Home Features Pricing Disabled

```
<!doctype html>
<html lang="en">
  <head>
    ...
  </head>
  <body>
    <header>
      <nav class="navbar navbar-expand-lg 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="#navbarNav" aria-controls="navbarNav">
            <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>
            </ul>
          </div>
        </div>
      </nav>
    </header>
```

```

        </li>
        <li class="nav-item">
            <a class="nav-link" href="#">Pricing</a>
        </li>
        <li class="nav-item">
            <a class="nav-link disabled">Disabled</a>
        </li>
    </ul>
</div>
</div>
</nav>
</header>
<main></main>
<footer></footer>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-pprn3073KE6tl6b" 
</body>
</html>

```

```

<!doctype html>
<html lang="en">
<head>
    ...
</head>
<body>
<header>
    <nav class="navbar navbar-expand-lg 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="#navbarNav" aria-controls="navbarNav" 
                <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">Disabled</a>
                    </li>
                </ul>
            </div>
        </div>
    </nav>
</header>
<main></main>
<footer></footer>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-pprn3073KE6tl6b" 
</body>
</html>

```

수정하도록 하겠습니다. **container-fluid** 클래스를 가진 div 쌍을 맞춰 삭제합니다.

버튼과 collapse 클래스를 가진 div도 삭제합니다. 이 과정에서 자신만의 디자인을 하고 싶은 수강 생은 따라하지 않아도 좋습니다.

네비게이션에 맞게 컨텐츠와 a태그들의 링크를 임시로 #처리합니다.

```

<!doctype html>
<html lang="en">
<head>
    ...
</head>
<body>
<header>
    <nav class="navbar navbar-expand-lg bg-light">
        <a class="navbar-brand" href="#">김씨피</a>

```

```

<ul class="navbar-nav">
  <li class="nav-item">
    <a class="nav-link active" aria-current="page" href="#">Main</a>
  </li>
  <li class="nav-item">
    <a class="nav-link" href="#">About</a>
  </li>
  <li class="nav-item">
    <a class="nav-link" href="#">Skill</a>
  </li>
  <li class="nav-item">
    <a class="nav-link" href="#">Stack</a>
  </li>
  <li class="nav-item">
    <a class="nav-link" href="#">Closing</a>
  </li>
</ul>
</nav>
</header>
<main></main>
<footer></footer>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-pprn3073KE6tl6b" 
</body>
</html>

```

김싸피 Main About Skill Stack Closing

디자인을 추가하겠습니다.

```

<!doctype html>
<html lang="en">
<head>
  ...
</head>
<body>
  <header>
    <nav class="navbar navbar-dark bg-dark">
      <a class="navbar-brand" href="#">김싸피</a>
      <ul class="nav">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="#">Main</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">About</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Skill</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Stack</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Closing</a>
        </li>
      </ul>
    </nav>
  </header>
  <main></main>
  <footer></footer>

  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-pprn3073KE6tl6b" 
</body>
</html>

```

**nav태그의 class → navbar 제외 모두 제거 후, navbar-dark bg-dark px-5 추가하였습니다.**

**ul의 class → nav 변경하였습니다**

navigation 변경할 시간을 드리도록 하겠습니다.

여기까지 진행된 파일은 v2입니다.

## Main 파트 작성하기

해더는 접어두고, 메인 파트는 5개의 콘텐츠가 존재하며, section 나누도록 하겠습니다.

```
<header> ...
</header>
<main>
  <!-- section*5 -->
  <section></section>
  <section></section>
  <section></section>
  <section></section>
  <section></section>
  <section></section>
</main>
<footer></footer>
```

id 미리 입력해두도록 하겠습니다.

```
...
<body>
  <header>
    ...
  </header>
  <main>
    <!-- section*5 -->
    <section id="main-part"></section>
    <section id="about-part"></section>
    <section id="language-part"></section>
    <section id="stack-part"></section>
    <section id="to-be-part"></section>
  </main>
  <footer></footer>
  ...
</body>
...
```

id는 naviagtion 통해 이동할 수 있게 만들 예정입니다.

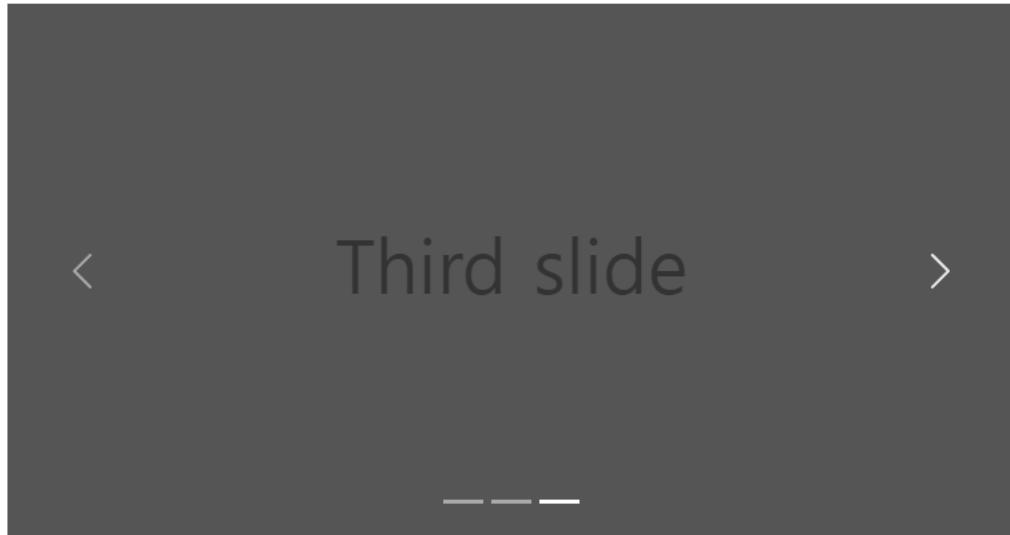
main-part 작성하겠습니다

### main-part

main-part에 bootstrap `carousel` With indicators 코드를 복사합니다.

## With indicators

You can also add the indicators to the carousel, alongside the controls, too.



HTML

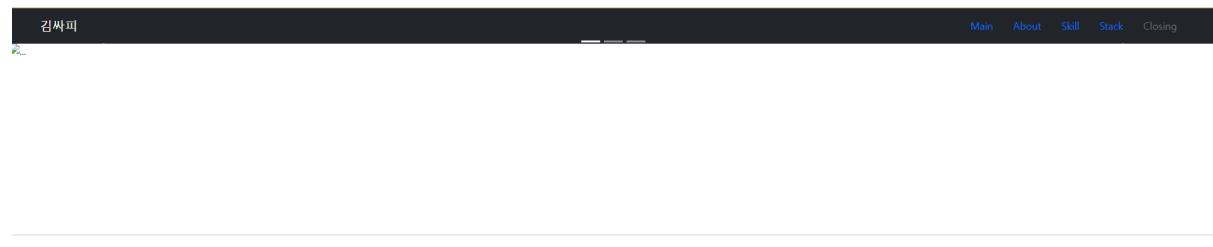
```
<div id="carouselExampleIndicators" class="carousel slide" data-bs-ride="true">
  <div class="carousel-indicators">
    <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="0" class="a
    <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="1" aria-lab
    <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="2" aria-lab
  </div>
  <div class="carousel-inner">
    <div class="carousel-item active">
      
    </div>
    <div class="carousel-item">
      
    </div>
  </div>
```

복사한 코드를 section(section)안에 붙여 넣기 합니다.

```
...
<section id="main-part">
  <div id="carouselExampleIndicators" class="carousel slide" data-bs-ride="true">
    <div class="carousel-indicators">
      <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="0" class="active" aria-current="true"
      <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="1" aria-label="Slide 2"></button>
      <button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="2" aria-label="Slide 3"></button>
    </div>
    <div class="carousel-inner">
      <div class="carousel-item active">
        
      </div>
      <div class="carousel-item">
        
      </div>
      <div class="carousel-item">
        
      </div>
    </div>
```

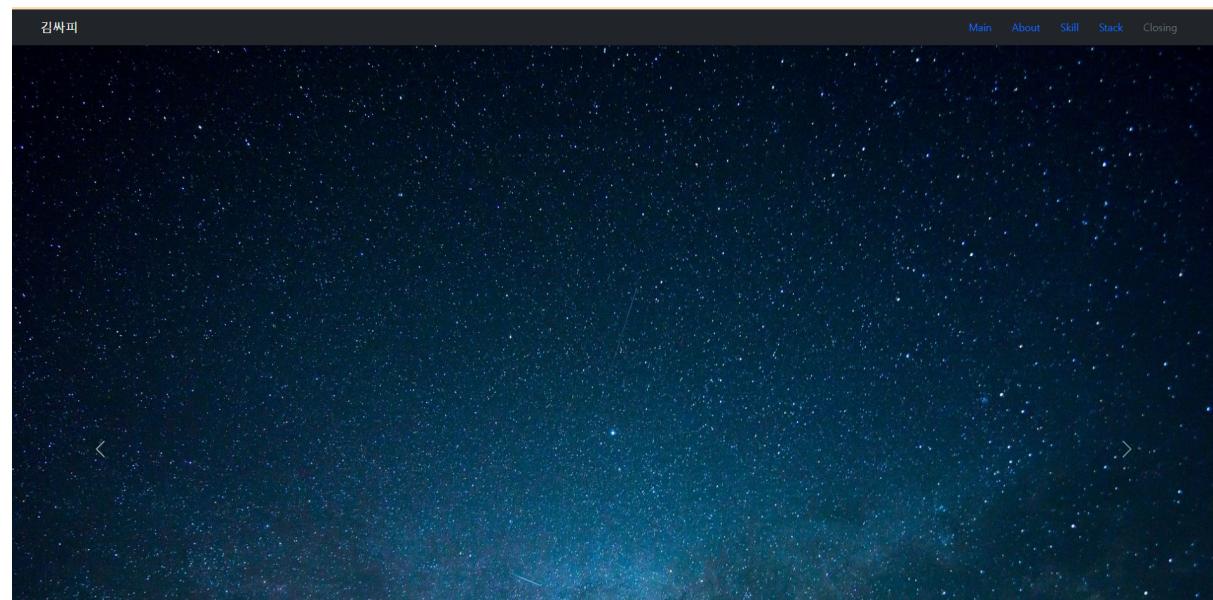
```
<button class="carousel-control-prev" type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide="prev">
  <span class="carousel-control-prev-icon" aria-hidden="true"></span>
  <span class="visually-hidden">Previous</span>
</button>
<button class="carousel-control-next" type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide="next">
  <span class="carousel-control-next-icon" aria-hidden="true"></span>
  <span class="visually-hidden">Next</span>
</button>
</div>
</section>
...
...
```

화면을 확인하면, 이미지가 없어 아래와 같이 나타납니다.



`carousel`에 준비한 이미지 경로, alt 작성합니다

```
...
<div class="carousel-inner">
  <div class="carousel-item active">
    
  </div>
  <div class="carousel-item">
    
  </div>
  <div class="carousel-item">
    
  </div>
</div>
...
...
```



`carousel` 기능을 이용하면 문제가, 2가지 발생합니다.

1. 3번째 이미지의 높이가 다른 점
2. 마우스를 내려서 하단으로 이동하면 navigation 고정 x

1 → 해결

css파일에 코드작성

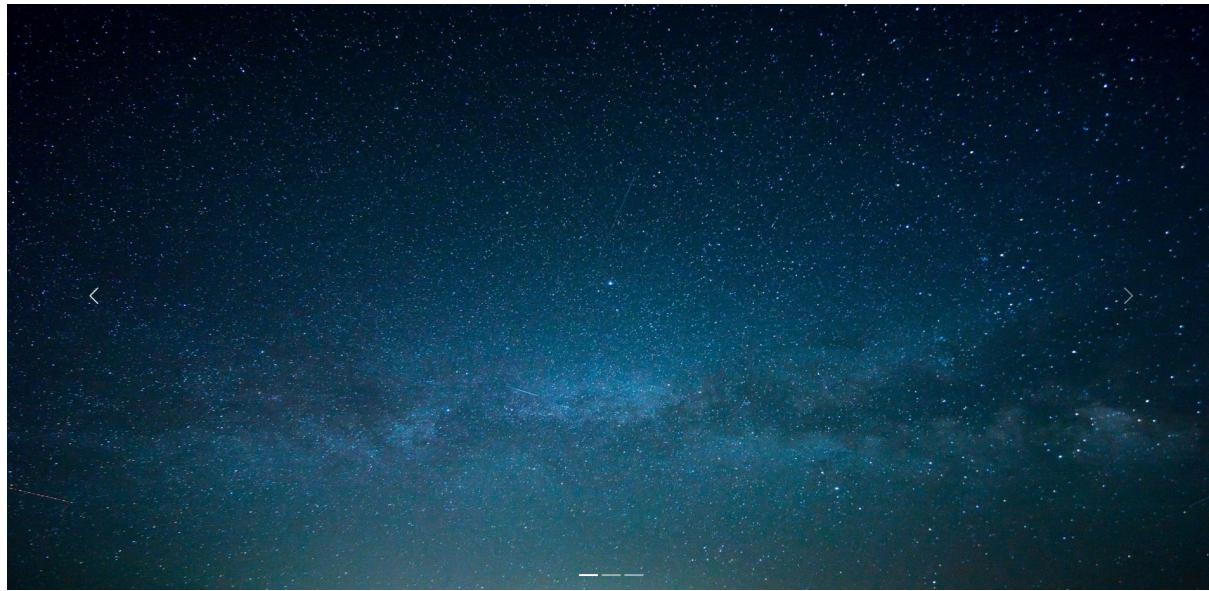
```
.carousel-item img {  
    height: 100vh;  
}
```

2. → 해결

**index.html**

header 태그의 nav에, position fixed속성을 부여

```
...  
<header>  
    <nav class="navbar navbar-dark bg-dark px-5 position-fixed">  
        <a class="navbar-brand" href="#">김싸피</a>  
    ...
```



화면에 사라진 것 처럼 보입니다. 우선순위에서 밀렸습니다 z-index부여합니다

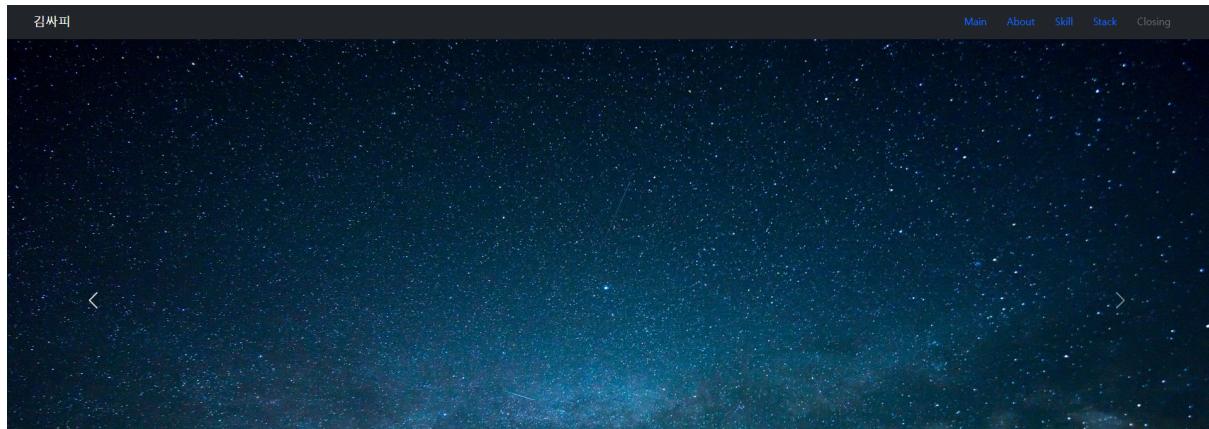
```
.carousel-item img {  
    height: 100vh;  
}  
  
nav{  
    z-index:1;  
}
```

너비를 잊어버렸습니다 w-100부여합니다



```
...
<header>
  <nav class="navbar navbar-dark bg-dark px-5 position-fixed w-100">
    <a class="navbar-brand" href="#">김싸피</a>
  ...

```

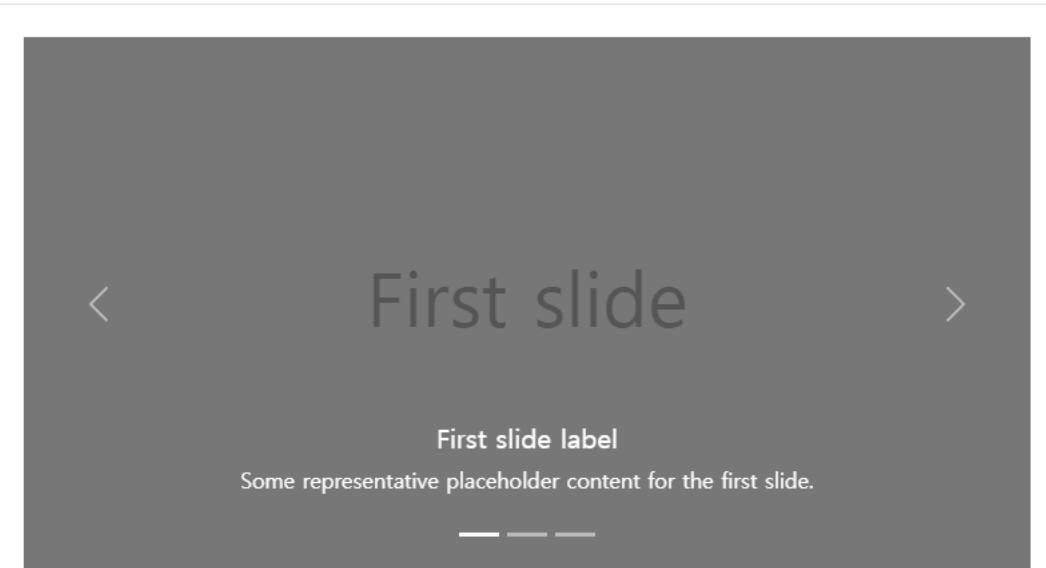


다음으로 은하 이미지를 디자인하겠습니다.

1번째 `carousel` 사이에 With captions 기능을 사용하여

## With captions #

Add captions to your slides easily with the `.carousel-caption` element within any `.carousel-item`. They can be easily hidden on smaller viewports, as shown below, with optional [display utilities](#). We hide them initially with `.d-none` and bring them back on medium-sized devices with `.d-md-block`.



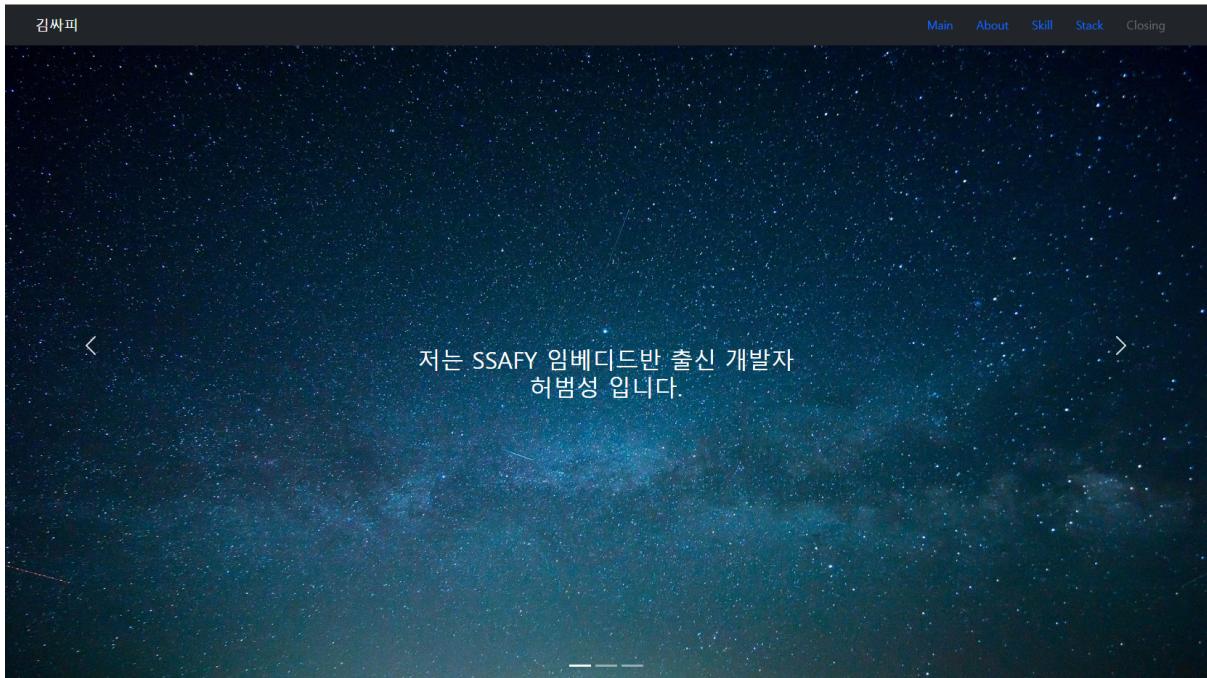
HTML

```
<div id="carouselExampleCaptions" class="carousel slide" data-bs-ride="false">
  <div class="carousel-indicators">
    <button type="button" data-bs-target="#carouselExampleCaptions" data-bs-slide-to="0" class="act
    <button type="button" data-bs-target="#carouselExampleCaptions" data-bs-slide-to="1" aria-label
    <button type="button" data-bs-target="#carouselExampleCaptions" data-bs-slide-to="2" aria-label
  </div>
  <div class="carousel-inner">
    <div class="carousel-item active">
      
      <div class="carousel-caption d-none d-md-block">
```

다음과 같이 추가하겠습니다.

```
<div class="carousel-inner">
  <div class="carousel-item active">
    
    <div class="carousel-caption h-50">
      <h2>저는 SSAFY 임베디드반 출신 개발자<br>허범성 입니다.</h2>
    </div>
  </div>
  ...
</div>
```

추가한 내용은 50% 높이 위치하라는 의미입니다.



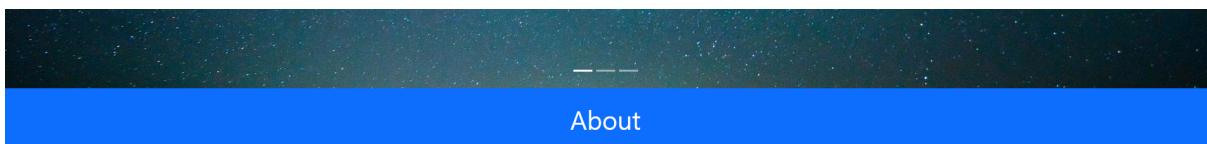
main-part 완성하였습니다 여기까지 다운로드 받으실 분은 **v3** 사용하시면 됩니다

---

## about-part

section 구분하기 위한 요소를 만들어 재사용 하겠습니다. 계속 사용하니, 참고하시길 바랍니다

```
<section id="about-part">
  <div class="h1 bg-primary p-4 text-white text-center w-100">
    About
  </div>
</section>
```



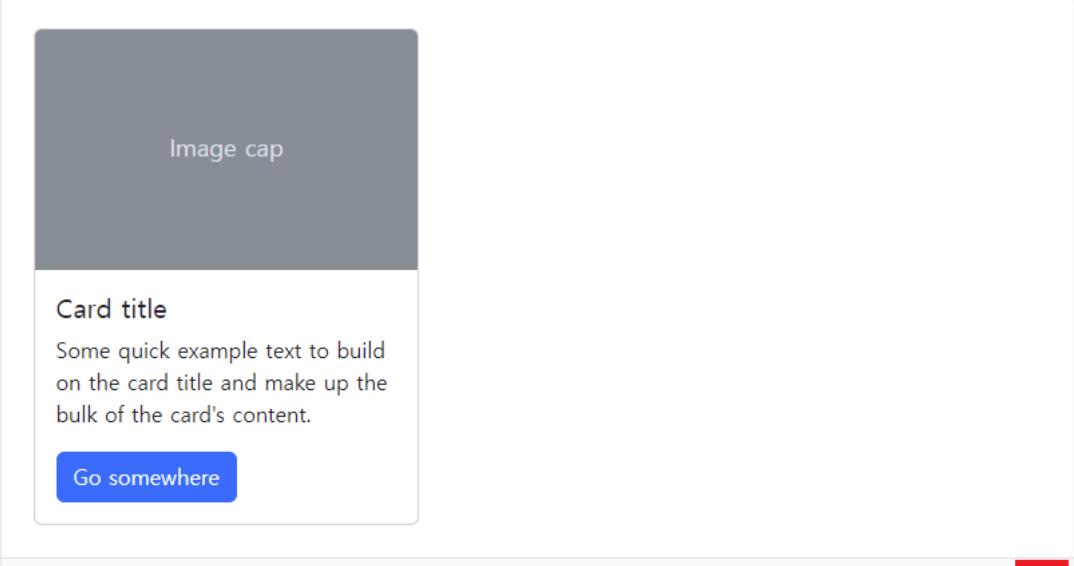
---

bootstrap 카드 **Example** 복사 붙여 넣기 합니다.

## Example

Cards are built with as little markup and styles as possible, but still manage to deliver a ton of control and customization. Built with flexbox, they offer easy alignment and mix well with other Bootstrap components. They have no `margin` by default, so use [spacing utilities](#) as needed.

Below is an example of a basic card with mixed content and a fixed width. Cards have no fixed width to start, so they'll naturally fill the full width of its parent element. This is easily customized with our various [sizing options](#).



The screenshot shows a single card component. It features a large gray rectangular image at the top with the text "Image cap" centered above it. Below the image is a white card body with a thin gray border. Inside the card body, the text "Card title" is displayed in bold. Underneath the title is a paragraph of placeholder text: "Some quick example text to build on the card title and make up the bulk of the card's content." At the bottom of the card body is a blue button with the text "Go somewhere".

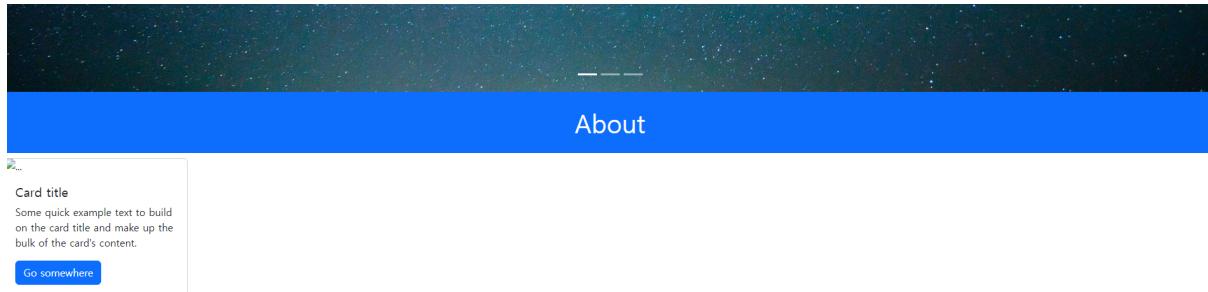
**HTML**

```
<div class="card" style="width: 18rem;">
  
  <div class="card-body">
    <h5 class="card-title">Card title</h5>
    <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
    <a href="#" class="btn btn-primary">Go somewhere</a>
  </div>
</div>
```

**Code**

```
<section id="about-part">
  <div class="h1 bg-primary p-4 text-white text-center w-100">
    About
  </div>

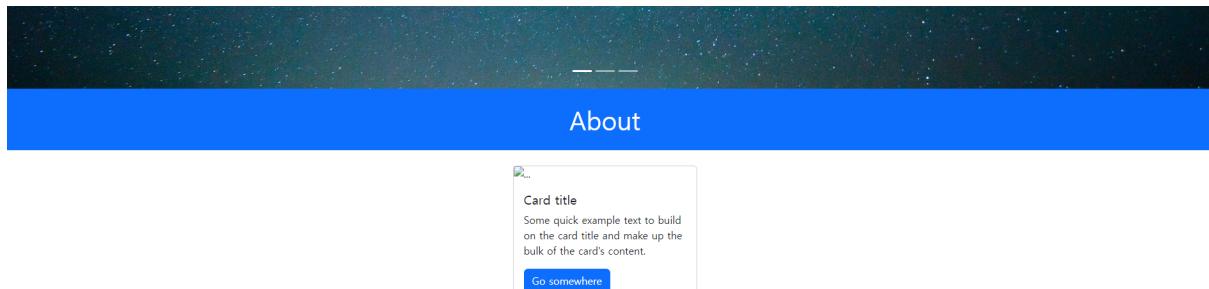
  <div class="card" style="width: 18rem;">
    
    <div class="card-body">
      <h5 class="card-title">Card title</h5>
      <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
      <a href="#" class="btn btn-primary">Go somewhere</a>
    </div>
  </div>
</section>
```



카드 레이아웃을 변경합니다

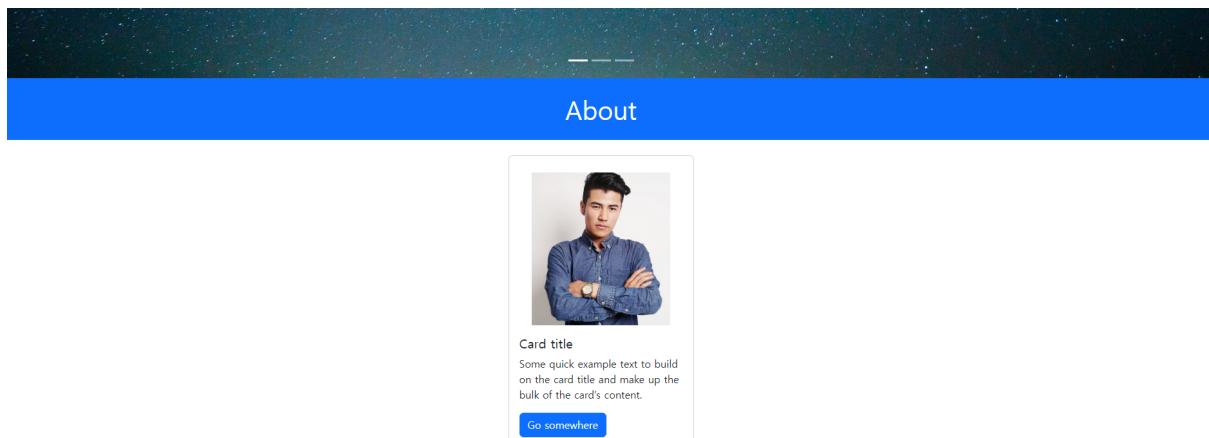
```
<div class="card mx-auto mt-4" style="width: 18rem;">
  ...
</div>
```

카드에 margin : 0px auto 가능, 가운데 정렬과 상단에 외곽 여백을 추가합니다.



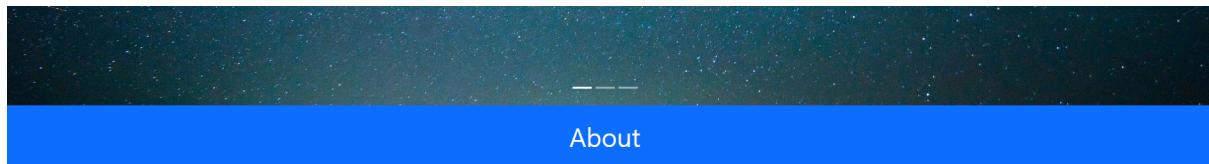
프로필 이미지를 추가하고, 너비 조절과 가운데 정렬을 합니다

```
<div class="card mx-auto mt-4" style="width: 18rem;">
  
  ...
</div>
```



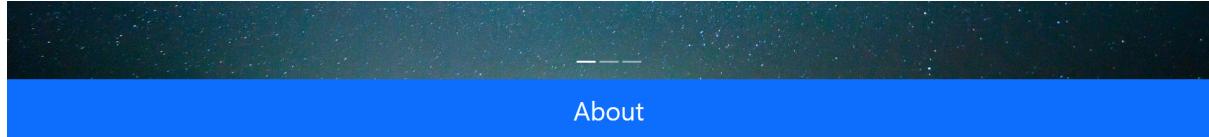
글자 가운데 정렬을 포함해서, 글씨를 일부 변경하고 콘텐츠를 추가합니다.

```
<div class="card mx-auto mt-4" style="width: 18rem;">
  
  <div class="card-body">
    <h5 class="card-title">Card title</h5>
    <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
    <a href="#" class="btn btn-primary">Go somewhere</a>
  </div>
</div>
```



자기 소개 멘트를 추가합니다. 카드 안에 넣을 분은 카드에 넣어도 됩니다

```
...
<div class="mt-5 text-center">
    안녕하세요. 자바스크립트 내부동작을 명확하게 이해하고 있는 개발자 허범성입니다. <br/>
    함께 일하시고 싶으시다면 언제든 연락주셔도 좋습니다.
</div>
...
```



components의 **List group** 찾아서 복사 붙여 넣기 합니다.

Validation

**Components**

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

**Helpers**

# List group

[View on GitHub](#)

List groups are a flexible and powerful component for displaying a series of content. Modify and extend them to support just about any content within.



Limited time offer: Get 10 free Adobe Stock images.  
ads via Carbon  
[MAKE IT WITH ADOBE STOCK. Get 10 free images >](#)

## Basic example #

The most basic list group is an unordered list with list items and the proper classes. Build upon it with the options that follow, or with your own CSS as needed.

An item
A second item
A third item
A fourth item
And a fifth one

HTML

```
<ul class="list-group">
  <li class="list-group-item">An item</li>
  <li class="list-group-item">A second item</li>
  <li class="list-group-item">A third item</li>
  <li class="list-group-item">A fourth item</li>
  <li class="list-group-item">And a fifth one</li>
</ul>
```

```
...
<div class="mt-5 text-center">
  안녕하세요. 자바스크립트 내부동작을 명확하게 이해하고 있는 개발자 허범성입니다. <br/>
  함께 일하시고 싶으시다면 언제든 연락주셔도 좋습니다.
</div>

<ul class="list-group">
  <li class="list-group-item">An item</li>
  <li class="list-group-item">A second item</li>
  <li class="list-group-item">A third item</li>
  <li class="list-group-item">A fourth item</li>
  <li class="list-group-item">And a fifth one</li>
</ul>
...
```



김싸피  
Web Developer  
FrontEnd

[Go somewhere](#)

안녕하세요. 자바스크립트 내부동작을 명확하게 이해하고 있는 개발자 허범성입니다.  
함께 일하시고 싶으시다면 언제든 연락주셔도 좋습니다.

An item

A second item

A third item

A fourth item

And a fifth one

### 너비 조절과 가운데 정렬을 합니다

```
...
<ul class="list-group w-50 mx-auto">
  <li class="list-group-item">An item</li>
  <li class="list-group-item">A second item</li>
  <li class="list-group-item">A third item</li>
  <li class="list-group-item">A fourth item</li>
  <li class="list-group-item">And a fifth one</li>
</ul>
...
```

[Go somewhere](#)

안녕하세요. 자바스크립트 내부동작을 명확하게 이해하고 있는 개발자 허범성입니다.  
함께 일하시고 싶으시다면 언제든 연락주셔도 좋습니다.

An item

A second item

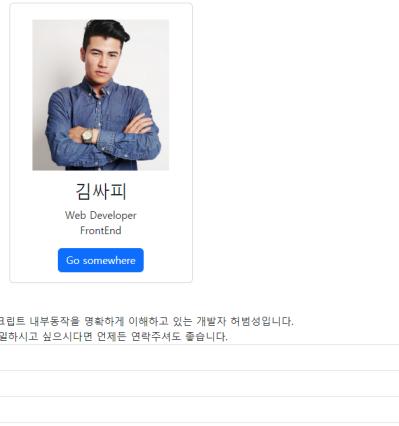
A third item

A fourth item

And a fifth one

### 콘텐츠를 span 태그에 감싸 작성합니다 작성 시간을 드리겠습니다

```
...
<ul class="list-group w-50 m-auto">
  <li class="list-group-item"><span>010-9999-9999</span></li>
  <li class="list-group-item"><span>ssafy@samsung.co.kr</span></li>
  <li class="list-group-item"><span>사랑시 고백구 행복동</span></li>
  <li class="list-group-item"><span>ssafy@tistory.com</span></li>
</ul>
...
```



리스트가 심심해서, 상징적인 아이콘을 부여하겠습니다.

부트스트랩의 상단 ICON → 마음에 드는 것 선택 → Copy HTML 버튼 클릭합니다.



## Examples

### ① Heading

#### ① Smaller heading

Inline text ①

Example link text ①

① Button    ① Button    ① Button

①    ①    ①    ①

① Input group example

## Download

Download the SVG to use or edit.

[Download SVG](#)

## Icon font

Using the web font? Copy, paste, and go.

<i class="bi bi-1-circle"></i>



## Code point

Unicode: U+F797

CSS: \F797

JS: \uF797

HTML: &#xF797;

## Copy HTML

Paste the SVG right into your project's code.

<svg xmlns="http://www.w3.org/2000/svg" width="1em" height="1em" viewBox="0 0 16 16"><path d="M1 8a7 7 0 1 0 14 0A7 7 0 0 1 13 8z" fill="currentColor"/></svg>

span 태그 앞에 붙여 넣습니다.

안녕하세요. 자바스크립트 내부동작을 명확하게 이해하고 있는 개발자 허범성입니다.  
함께 일하시고 싶으시다면 언제든 연락주셔도 좋습니다.

① 010-9999-9999

ssafy@samung.co.kr

사랑시 고백구 행복동

ssafy@tistory.com

원하는 아이콘을 사용해서, 본인의 작성한 콘텐츠를 상징하는 것을 작성할 시간을 드리겠습니다.

[Go somewhere](#)

안녕하세요. 자바스크립트 내부동작을 명확하게 이해하고 있는 개발자 허범성입니다.  
함께 일하시고 싶으시다면 언제든 연락주셔도 좋습니다.

① 010-9999-9999

Q ssafy@samung.co.kr

❶ 사랑시 고백구 행복동

123 ssafy@tistory.com

이상으로 about 소개를 끝내도록 하겠습니다. 여기까지 파일을 원하시는 분은 v4를 사용하세요

## language-part 작성 및 네비 등록

새로운 파트 작성에 앞서, 파트가 2개 이상 증가하여 스크롤이 발생합니다.

상단 네비게이션의 href속성을 사용해 이동할 수 있도록 하겠습니다.

```
<header>
  <nav class="navbar navbar-dark bg-dark px-5 position-fixed w-100">
    <a class="navbar-brand" href="#main-part">김싸피</a>
    <ul class="nav">
      <li class="nav-item">
        <a class="nav-link active" aria-current="page" href="#main-part">Main</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#about-part">About</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#language-part">Skill</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#stack-part">Stack</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#to-be-part">Closing</a>
      </li>
    </ul>
  </nav>
</header>
```

main-part와 about-part는 제작하였고, 나머지는 미리 작성해두겠습니다

Closing 파트에 있던 **disabled** 없애 클릭할 수 있게 만들고 main-part 링크와 About 링크를 클릭하면 페이지 이동이 발생합니다.

---

language-part 를 작성합니다

기준에 만들어둔 양식으로 구분자를 작성합니다.

```
<section id="language-part" class="pt-5" style="min-height: 100vh;">
  <div class="h1 bg-primary p-4 text-white text-center w-100">
    Language Skill
  </div>
</section>
```

안녕하세요. 자바스크립트 내부동작을 명확하게 이해하고 있는 개발자 허병성입니다.  
함께 일하시고 싶으시다면 언제든 연락주셔도 좋습니다.

□ 010-9999-9999

✉ ssafy@samsung.co.kr

↳ 서울시 고백구 행복동

123 ssafy@tistory.com

Language Skill

Button group  
Card  
Carousel  
Close button  
Collapse  
Dropdowns  
List group  
Modal  
Navbar  
Navs & tabs  
Offcanvas  
Pagination  
Placeholders  
Popovers  
**Progress**  
Scrollspy  
Spinners  
Toasts  
Toolips

**Helpers**  
Clearfix  
Color & background  
Colored links  
Position  
Ratio  
Stacks  
Stretched link  
Text truncation

## How it works

Progress components are built with two HTML elements, some CSS to set the width, and a few attributes. We don't use [the HTML5 <progress> element](#), ensuring you can stack progress bars, animate them, and place text labels over them.

- We use the `.progress` as a wrapper to indicate the max value of the progress bar.
- We use the inner `.progress-bar` to indicate the progress so far.
- The `.progress-bar` requires an inline style, utility class, or custom CSS to set their width.
- The `.progress-bar` also requires some `role` and `aria` attributes to make it accessible, including an accessible name (using `aria-label`, `aria-labelledby`, or similar).

Put that all together, and you have the following examples.



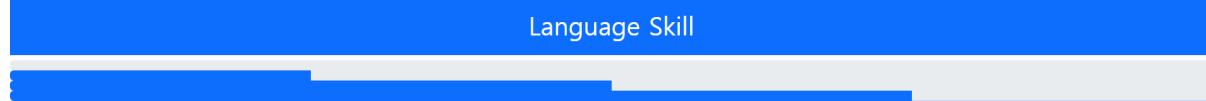
HTML

```
<div class="progress">
  <div class="progress-bar" role="progressbar" aria-label="Basic example" aria-valuenow="0" aria-valuemin="0" aria-valuemax="100"></div>
<div class="progress">
  <div class="progress-bar" role="progressbar" aria-label="Basic example" style="width: 25%" aria-valuenow="25" aria-valuemin="0" aria-valuemax="100"></div>
<div class="progress">
  <div class="progress-bar" role="progressbar" aria-label="Basic example" style="width: 50%" aria-valuenow="50" aria-valuemin="0" aria-valuemax="100"></div>
<div class="progress">
  <div class="progress-bar" role="progressbar" aria-label="Basic example" style="width: 75%" aria-valuenow="75" aria-valuemin="0" aria-valuemax="100"></div>
</div>
```

컴포넌트의 Progress를 가져와 붙여넣기합니다.

010-9999-9999  
ssafy@samung.co.kr  
사랑시 고백구 행복동  
ssafy@tistory.com

Language Skill



progress를 리스트화 시키기위해 li를 만들어두고, div를 하나하나 li로 옮겨줍니다.

```
...
<ul>
  <li></li>
  <li></li>
  <li></li>
  <li></li>
</ul>

<div class="progress">
  <div class="progress-bar" role="progressbar" aria-label="Basic example" aria-valuenow="0" aria-valuemin="0" aria-valuemax="100"></div>
</div>
```

```

        <div class="progress-bar" role="progressbar" aria-label="Basic example" style="width: 25%" aria-valuenow="25" aria-valuemin="0" aria-valuemax="100">
    </div>
<div class="progress">
    <div class="progress-bar" role="progressbar" aria-label="Basic example" style="width: 50%" aria-valuenow="50" aria-valuemin="0" aria-valuemax="100">
    </div>
<div class="progress">
    <div class="progress-bar" role="progressbar" aria-label="Basic example" style="width: 75%" aria-valuenow="75" aria-valuemin="0" aria-valuemax="100">
    </div>
...

```

```

...
<ul>
    <li>
        <div class="progress">
            <div class="progress-bar" role="progressbar" aria-label="Basic example" aria-valuenow="0" aria-valuemin="0" aria-valuemax="100">
            </div>
        </li>
        <li>
            <div class="progress">
                <div class="progress-bar" role="progressbar" aria-label="Basic example" style="width: 25%" aria-valuenow="25" aria-valuemin="0" aria-valuemax="100">
                </div>
            </li>
            <li>
                <div class="progress">
                    <div class="progress-bar" role="progressbar" aria-label="Basic example" style="width: 50%" aria-valuenow="50" aria-valuemin="0" aria-valuemax="100">
                    </div>
                </li>
                <li>
                    <div class="progress">
                        <div class="progress-bar" role="progressbar" aria-label="Basic example" style="width: 75%" aria-valuenow="75" aria-valuemin="0" aria-valuemax="100">
                        </div>
                    </li>
                </ul>
...

```



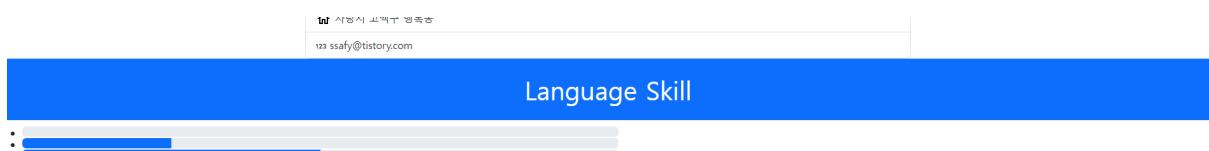
콘텐츠들이 너무 크기 때문에 조절을 해주겠습니다.

```

<ul>
    <li>
        <div class="progress w-50">
            <div class="progress-bar" role="progressbar" aria-label="Basic example" aria-valuenow="0" aria-valuemin="0" aria-valuemax="100">
            </div>
        </li>
        <li>
            <div class="progress w-50">
                <div class="progress-bar" role="progressbar" aria-label="Basic example" style="width: 25%" aria-valuenow="25" aria-valuemin="0" aria-valuemax="100">
                </div>
            </li>
            <li>
                <div class="progress w-50">
                    <div class="progress-bar" role="progressbar" aria-label="Basic example" style="width: 50%" aria-valuenow="50" aria-valuemin="0" aria-valuemax="100">
                    </div>
                </li>
                <li>
                    <div class="progress w-50">
                        <div class="progress-bar" role="progressbar" aria-label="Basic example" style="width: 75%" aria-valuenow="75" aria-valuemin="0" aria-valuemax="100">
                        </div>

```

```
</li>  
</ul>
```



자신이 사용할 수 있는 언어를 표시하기 위해 li마다 div 추가하고 언어와 상태를 추가하는 시간을 가지겠습니다.

```
<li>  
  <div>C</div>  
  <div class="progress w-50">  
    <div class="progress-bar" role="progressbar" aria-label="Basic example" aria-valuenow="85" aria-valuemin="0" aria-valuemax="100"></div>  
    <div>85%</div>  
  </div>  
</li>
```



디자인 및 퍼센트 조정하겠습니다. 전체 리스트를 가운데로 보내고, 너비 조절을 하겠습니다.

```
<ul class="w-75 mx-auto mt-5">  
  ...  
</ul>
```



li들을 조절하겠습니다 list-group-item 부여하면 불릿 기호가 사라집니다.

콘텐츠들이 세로로 쌓이고 있으므로, 플렉스를 부여하여 가로 정렬하겠습니다.

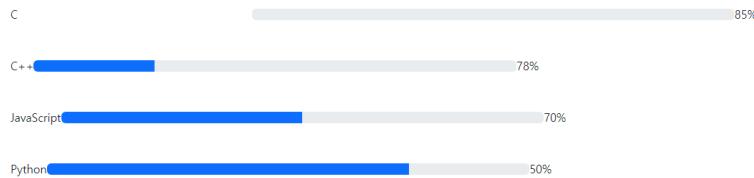
모두 적용합니다.

```
<li class="list-group-item d-flex align-items-center p-4">
  ...
<li>
```



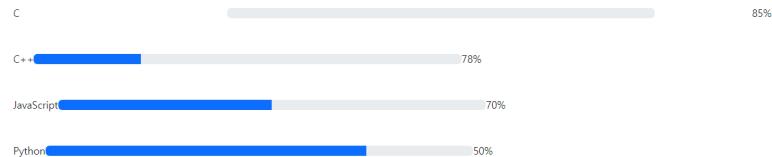
글씨의 크기만큼 콘텐츠를 차지하므로, 언어 영역과 % 영역도 너비를 갖도록 하겠습니다.

```
<li class="list-group-item d-flex align-items-center p-4">
  <div class="w-25">C</div>
  <div class="progress w-50">
    <div class="progress-bar" role="progressbar" aria-label="Basic example" aria-valuenow="85" aria-valuemin="0" aria-valuemax="100"></div>
  </div>
  <div class="w-25">85%</div>
</li>
```

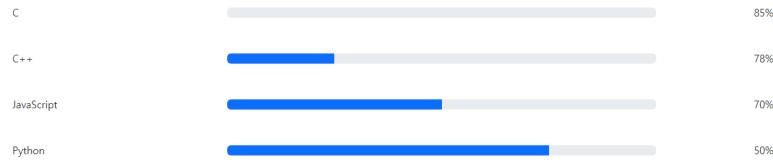


%가 영역은 차지하였는데, 가운데 정렬이 되지 않았습니다.

```
<div class="w-25 text-center">85%</div>
```



모두에 적용합니다.



progress바를 디자인하고, % 조절을 하겠습니다.

```
<div class="progress-bar" role="progressbar" aria-valuenow="85" aria-valuemin="0" aria-valuemax="100" style="width:85%"></div>
```

%는 width 속성을 사용합니다.

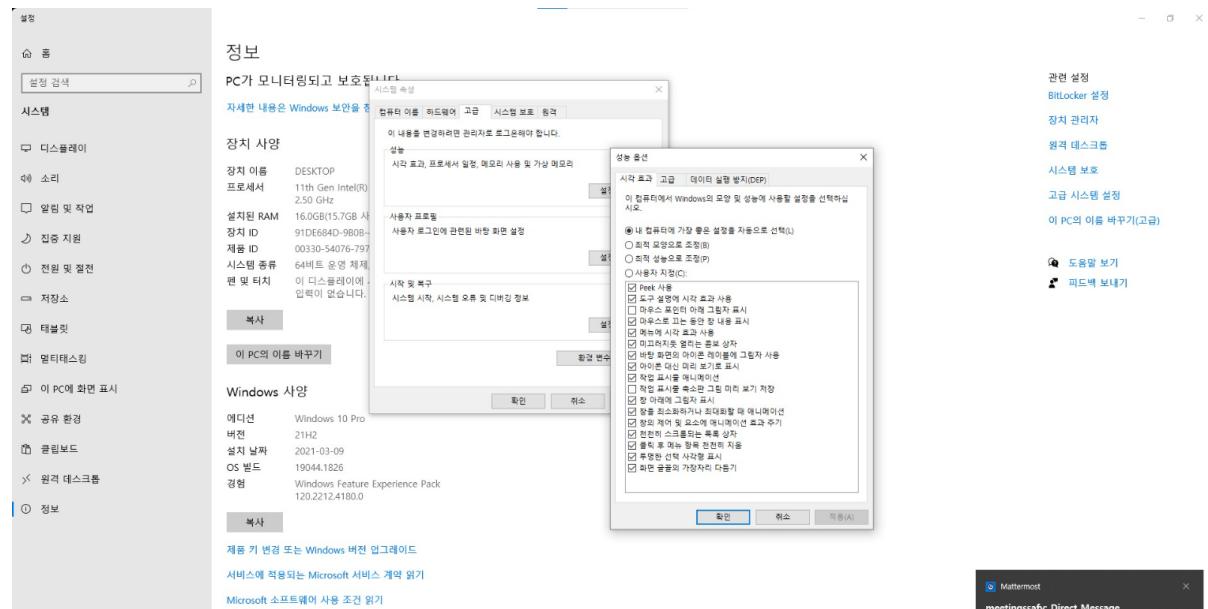
C 85%

```
<div class="progress-bar progress-bar-striped progress-bar-animated" role="progressbar" aria-valuenow="85" aria-valuemin="0" aria-valuemax="100" style="width:85%"></div>
```

class에 striped를 추가하면 빛금이 생깁니다, animated를 추가하면 애니메이션이 생깁니다

C 85%

자신의 언어 수준에 맞게 변경하는 시간을 가지겠습니다.

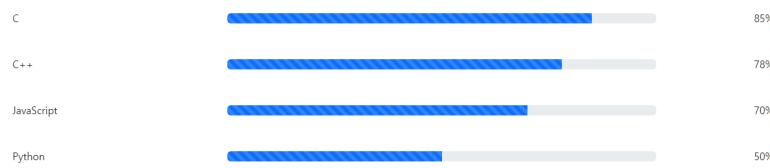


애니메이션이 적용되지 않는다면, 고급시스템 설정 → 성능 → 창의 제어 및 요소에 애니메이션 효과 주기를 확인해주세요

## stack-part

구분점부터 만듭니다.

```
<section id="stack-part">
  <div class="h1 bg-primary p-4 text-white w-100 text-center">
    Skill Stack
  </div>
</section>
```



Skill Stack

Contents → tables에 테이블을 복사 붙여 넣기 합니다.

The screenshot shows the Bootstrap 5.2.0 documentation page for tables. The sidebar on the left has 'Tables' selected under the 'Content' category. The main content area shows an overview of tables and a table example with its corresponding HTML code. The table example has three rows and four columns with headers '#', 'First', 'Last', and 'Handle'. The table code uses the 'table' class and 'thead'/'tbody' structure with 'th' and 'td' elements. The right sidebar lists related topics like Overview, Variants, Accented tables, etc.

## Skill Stack

#	First	Last	Handle
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry the Bird		@twitter

#	First	Last	Handle
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry the Bird		@twitter

테이블 두 개에 너비와 상단에 외곽 여백을 부여합니다.

```
<table class="table w-75 mt-5">
</table>
<table class="table w-75 mt-5">
</table>
```

그후 이모지 (window + .) 사용방법과, 자신에게 맞는 컨텐츠를 작성할 시간을 갖겠습니다.

다만 작성을 하면 가운데 정렬이 안될텐데, sort-center class를 작성합니다.

```
<section id="stack-part" class="sort-center pt-5" style="height: 100%;">
...
</section>
```

```
.sort-center {
  display: flex;
  flex-direction: column;
  justify-content: center;
  align-items: center;
  width: 100%;
  height: 100vh;
  border-top: 1px solid #dddddd;
}
```

여기까지 파일이 필요한 경우 v5를 사용합니다.

### to-be-part 작성

구분자 부터 복사합니다

```
<section id="to-be-part">
  <div class="h1 bg-primary p-4 text-white w-100 text-center">
    closing
  </div>
</section>
```

	장비	기본 계층	★	멀티미디 / 오실로스코프 경험
Embedded	Debugger	학습예정		ST-Link / J2534, IAR 환경에서 디버깅
Device Driver	Linux Kernel	★★★		자유롭게 사용 가능, Linux 커널 분석 경험
	Linux Device Driver	★★★		Device Tree / 캐릭터 Device Driver 개발 경험
Embedded	Qt	★★★★		C++ 대신, Python으로 개발 (PyQt)
	Connectivity	★★★		MQTT, LoRa, BLE, WiFi
IoT	Security	★★★		SSL/TLS

closing

Image cap

**Card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

[Go somewhere](#)

HTML

⚡
□

```
<div class="card" style="width: 18rem;">
  
  <div class="card-body">
    <h5 class="card-title">Card title</h5>
    <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
    <a href="#" class="btn btn-primary">Go somewhere</a>
  </div>
</div>
```

card example 복사 붙여 넣기 합니다.

closing

**Card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

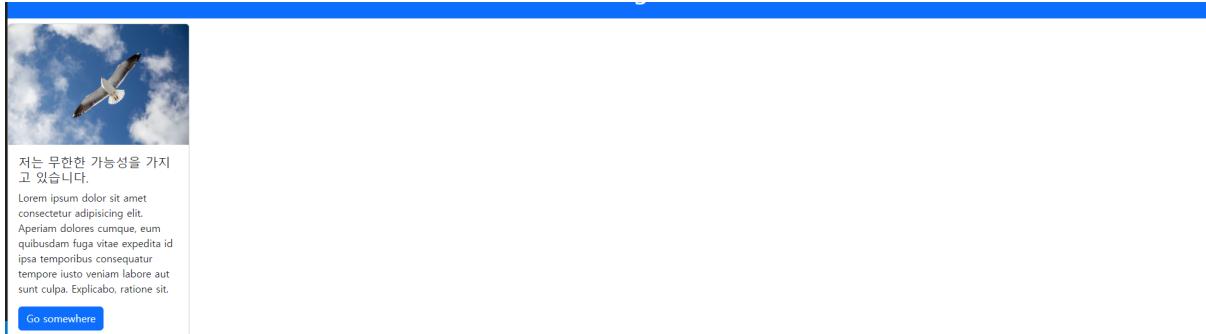
[Go somewhere](#)

빈 값을 채우고 텍스트를 변경시킵니다

```

...
<div class="card" style="width: 18rem;">
  
  <div class="card-body">
    <h5 class="card-title">저는 무한한 가능성을 가지고 있습니다.</h5>
    <p class="card-text">Lorem ipsum dolor sit amet consectetur adipisicing elit. Aperiam dolores cumque, eum quibusdam fuga vitae expedita id ipsa temporibus consequatur tempore iusto veniam labore aut sunt culpa. Explicabo, ratione sit.</p>
    <a href="#" class="btn btn-primary">Go somewhere</a>
  </div>
</div>
...

```



배치를 바꾸도록 하겠습니다.

1. section 자체에 외곽 여백을 부여합니다.
2. 카드 자체에 외곽 여백을 상하, 글자를 가운데 정렬합니다. width는 삭제합니다.
3. 이미지를 크기를 50%, 중앙 가운데 정렬에 외곽 여백 상단을 추가합니다.

## Closing



저는 무한한 발전 가능성을 가지고 있습니다.

영역을 링크를 통해 이동해보면 부자연스러운 파트가 있기 때문에,

```

<section id="about-part" class="pt-5" style="min-height: 100vh;">
<section id="stack-part" class="sort-center pt-5" style="height: 100%;">

```

최소 높이를 부여하고,

```
...
<section id="language-part" class="pt-5" style="min-height: 100vh;">
  <ul class="w-75 mx-auto mt-5 skill-list">
  ...

```

```
.skill-list {
  flex-direction: column;
  justify-content: center;
  display: flex;
  height: 70vh;
}
```

css도 부여해주도록 하겠습니다.

마지막으로 footer는 하단의 코드를 부여하면 끝입니다. copyright → html 사용했습니다

```
<footer class="bg-dark text-white text-center p-3">
  &copy; 2022 김싸피 All right reserved
</footer>
```

이상으로 포트폴리오 작업을 마치고, 자유롭게 꾸미는 시간을 갖도록 하겠습니다.

고생하였습니다.