

# 4.Vue Bootstrap

# 1-1. Bootstrap5 개념 및 구현

## 1. Bootstrap5 개념

- Bootstrap는 인기있는 UI Framework
- Bootstrap은 사전에 정의된 CSS를 사용하여 최소한의 노력으로 쉽게 예쁜 HTML Markup 구현 가능

## 2. Bootstrap5 설치

### 1) visual studio Terminal에서

```
C:\vueJs\Sources\learn-vue3>npm install bootstrap
```

### 2) 확인 : package.json에서 설치 확인

```
"dependencies": {  
  "bootstrap": "^5.2.3",  
  "vue": "^3.2.45"  
}
```

## 3. Java Script Coding (main.js에 추가)

```
import 'bootstrap/dist/css/bootstrap.min.css';
```

```
import { createApp } from 'vue';
```

```
import App from './App.vue';
```

```
createApp(App).mount('#app');
```

```
import 'bootstrap/dist/js/bootstrap.js';
```

## 4. Dev Server 설치

```
npm run dev
```

## 5. Bootstrap를 활용하여 구현

### 1) Layout(TheNav.vue)

### 2) TheView.vue

### 3) App.vue

# 1-2. Bootstrap5 Icons 설치

## 1. bootstrap-icons 모듈 설치

- npm i bootstrap-icons

## 2. main.js 에 bootstrap-icons.css 추가

// main.js

```
import 'bootstrap-icons/font/bootstrap-icons.css';
```

## 3. i 태그 를 활용한 아이콘 적용

<template>

    <i class="bi bi-youtube"> </i>

</template>

# 1-3. Bootstrap5 검색

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

The screenshot shows the Bootstrap 5 documentation website. The browser address bar displays `getbootstrap.com/docs/5.0/components/navbar/`. The website has a purple header with navigation links: Home, Docs, Examples, Icons, Themes, Blog, and a Download button. A search bar is located below the header. The main content area is titled "Navbar" and includes a "View on GitHub" button. The text describes the navbar as a powerful, responsive navigation header. A sidebar on the left lists various components, with "Navbar" selected. A right sidebar lists topics covered on the page, such as "How it works", "Supported content", and "Color schemes".

Search docs... Ctrl + / Bootstrap v5.0

**Navbar** [View on GitHub](#)

Documentation and examples for Bootstrap's powerful, responsive navigation header, the navbar. Includes support for branding, navigation, and more, including support for our collapse plugin.

**How it works**

Here's what you need to know before getting started with the navbar:

- Navbars require a wrapping `.navbar` with `.navbar-expand{<sm>|<md>|<lg>|<xl>|<xxl>}` for responsive collapsing and [color scheme](#) classes.
- Navbars and their contents are fluid by default. Change the [container](#) to limit their horizontal width in different ways.
- Use our [spacing](#) and [flex](#) utility classes for controlling spacing and alignment within navbars.
- Navbars are responsive by default, but you can easily modify them to change that. Responsive behavior depends on our Collapse JavaScript plugin.

**On this page**

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