

Modern Web Client Development

with (jQuery, Bootstrap, AngularJS, ...)

```
(function () {  
    $('박용준')  
        .title('Microsoft MVP')  
        .work('데브렉(http://www.devlec.com)');  
})();
```



모던 웹 클라이언트 개발



Visual Studio Community 2013

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Tools

Designers, editors, debuggers, profilers - all packaged up in a single environment.



Languages

Code in C++, Python, HTML5, JavaScript, and of course C#, VB, and F#.



Web

Extensive web tooling for ASP.NET, Node.js, and JavaScript



Devices

Tools for Apache Cordova and Unity to reach even more platforms.

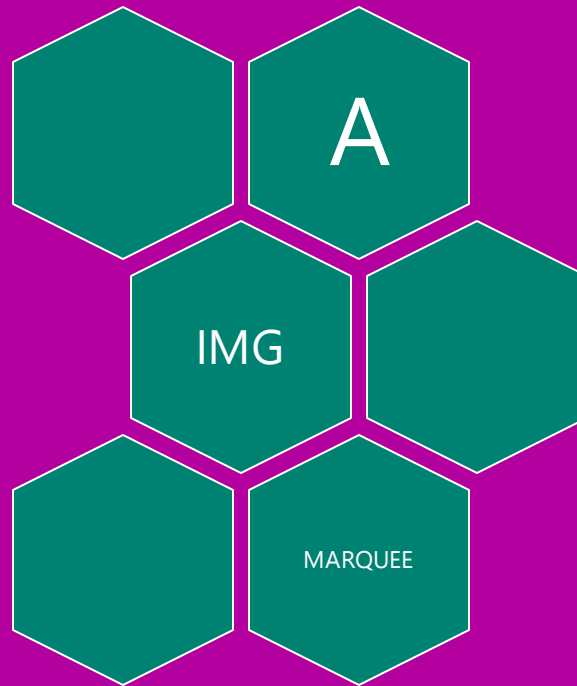
Web

응답하라 1994

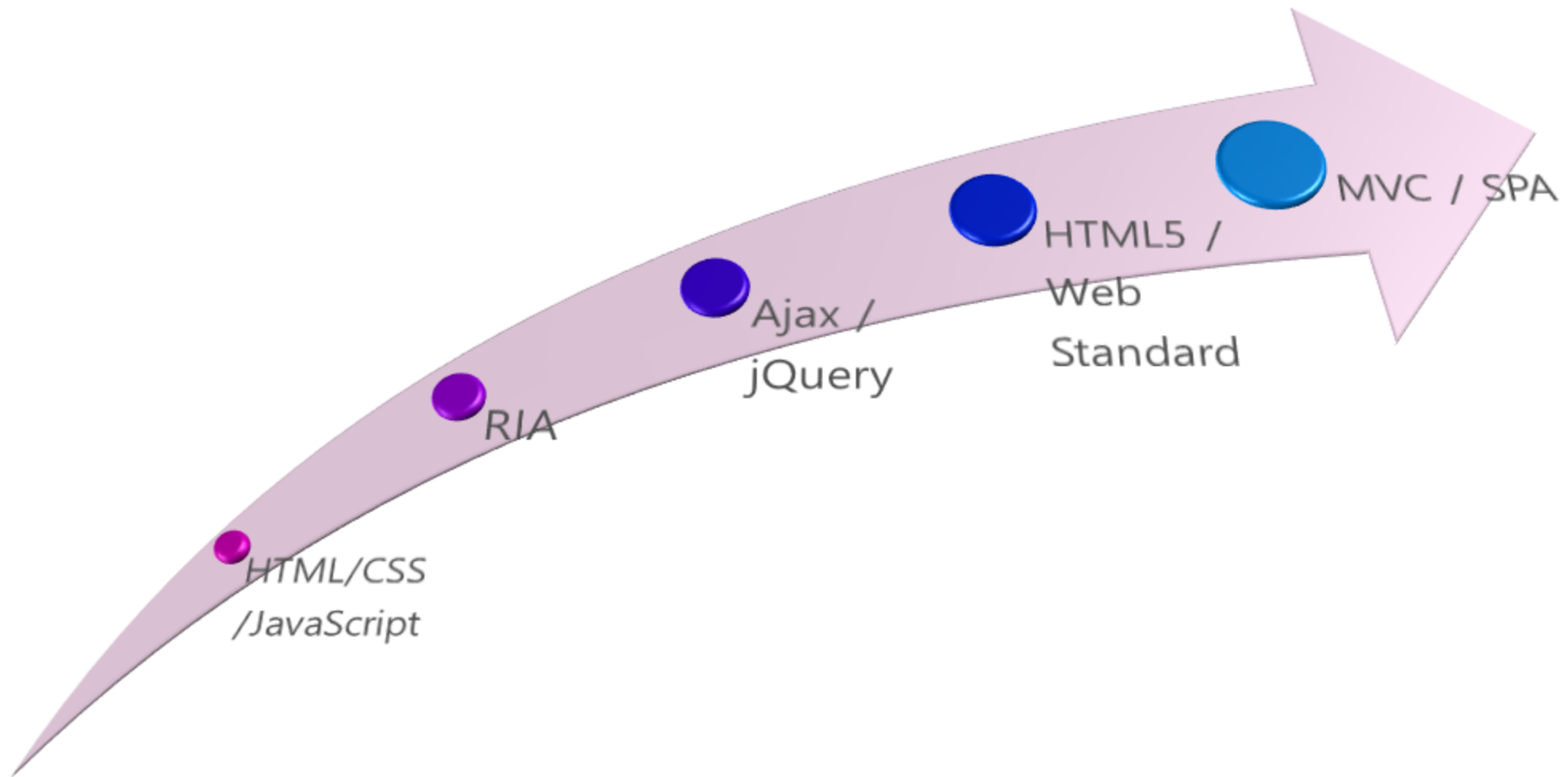


<http://www.microsoft.com/en-us/discover/1994/>

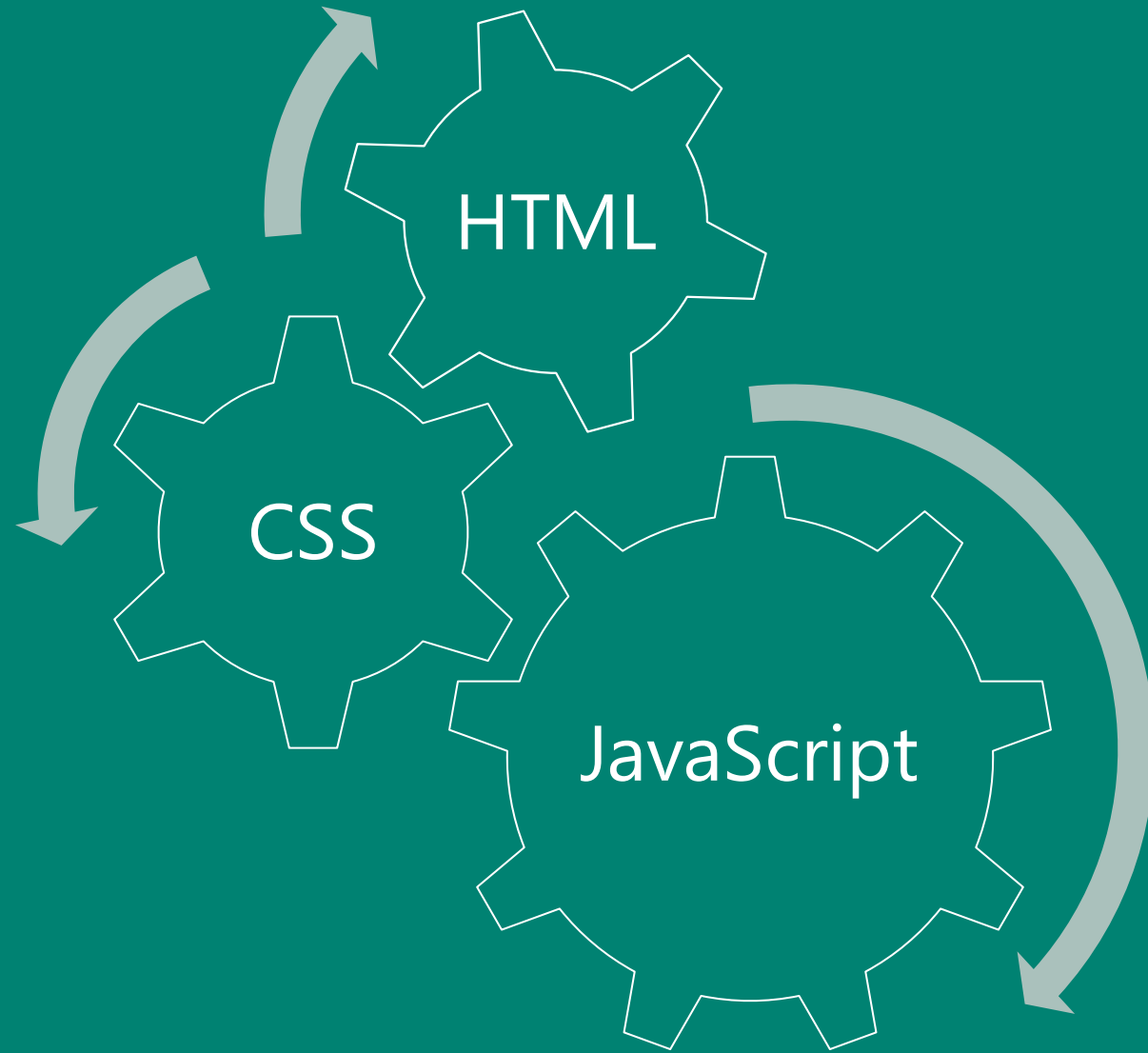
HTML



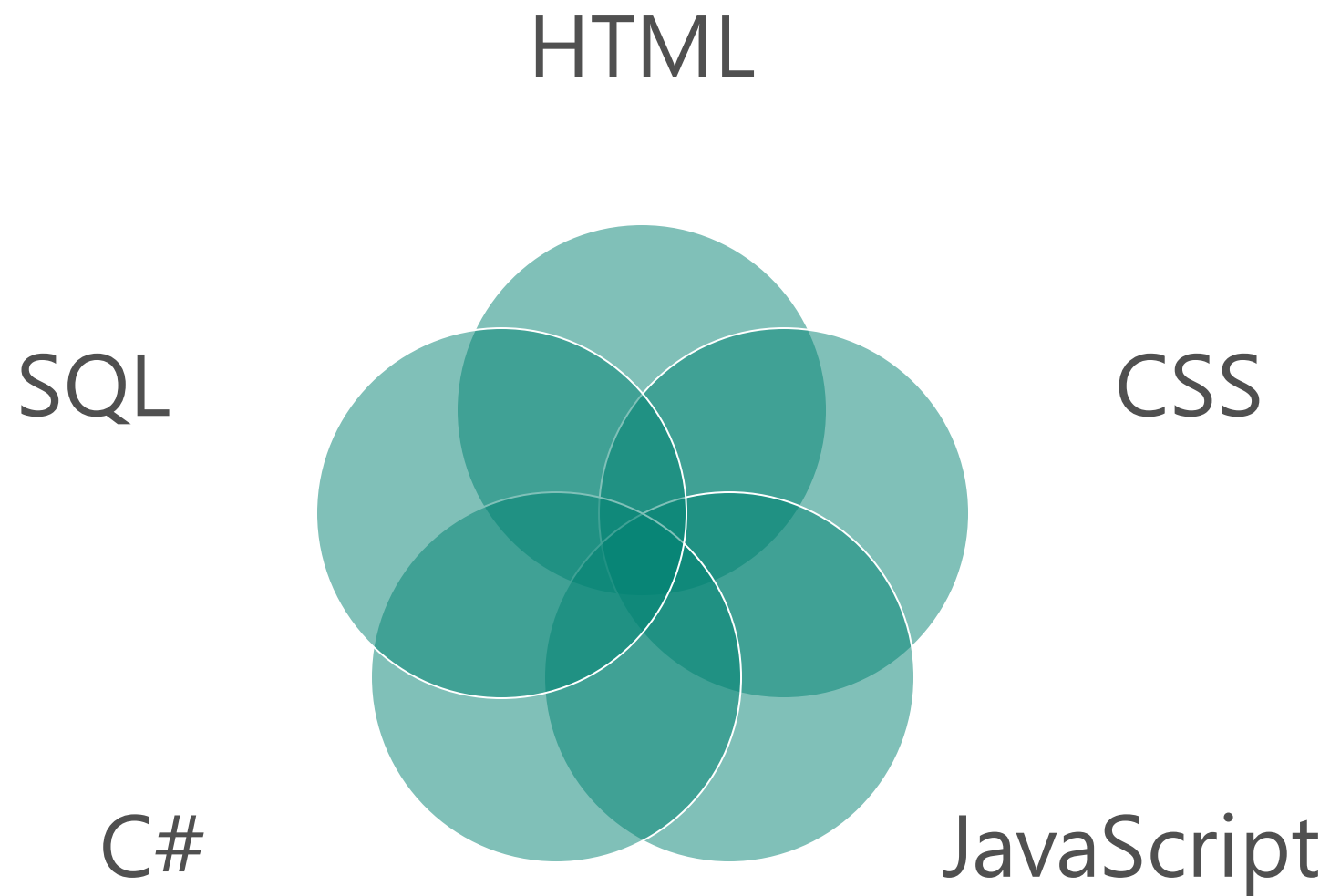
웹 클라이언트 기술 발전 순서



Web



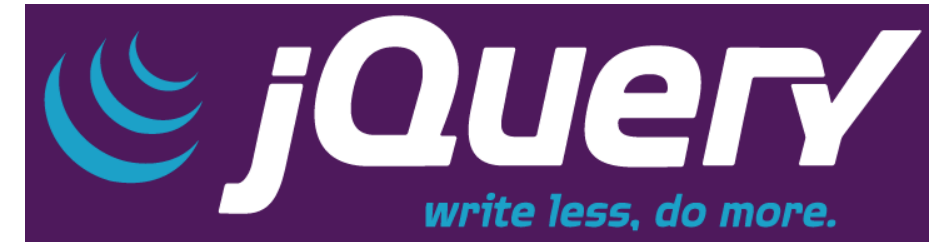
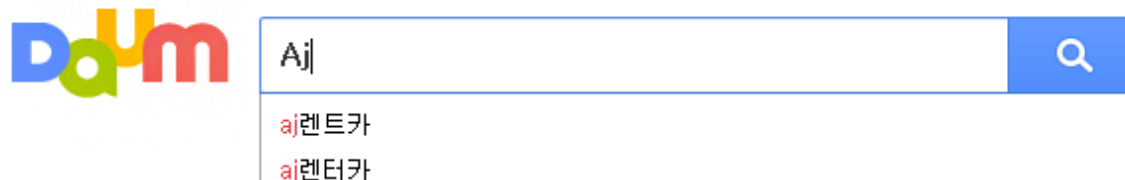
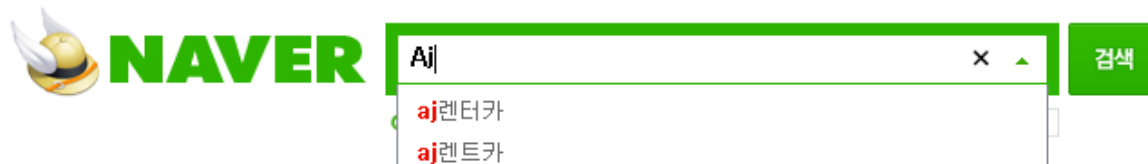
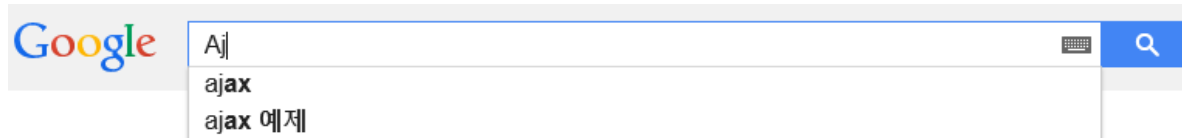
LOB



RIA(Rich Internet Application)



Ajax & jQuery & JSON



웹표준과 HTML5

찾기

×

찾기(F):

☐ 단어 단위로(W)

☐ 대/소문자 구분(C)

이전(P)

다음(N)

일치하는 항목이 없습니다.

HTML5 이전

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="ko" xml:lang="ko">
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
    <title>TechDays 2014 Korea</title>
    <link href="Site.css" rel="stylesheet" type="text/css" />
</head>
<body>
    <p>Modern Web Development.</p>
</body>
</html>
```

HTML5 이후

```
<!DOCTYPE html>
```

```
<html lang="ko">
```

```
<head>
```

```
    <meta charset="utf-8" />
```

```
    <title>TechDays 2014 Korea</title>
```

```
    <link href="Site.css" rel="stylesheet" />
```

```
</head>
```

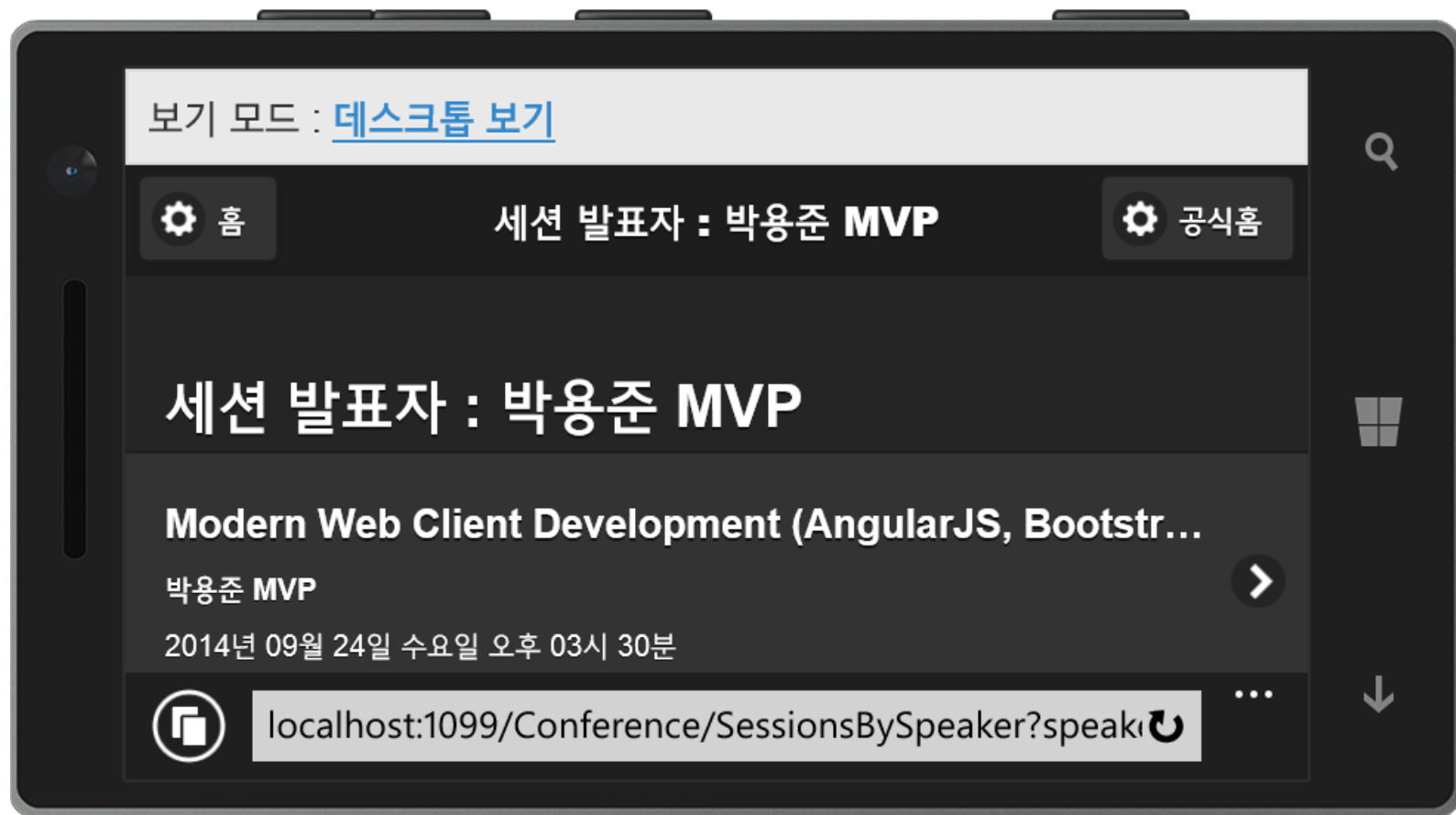
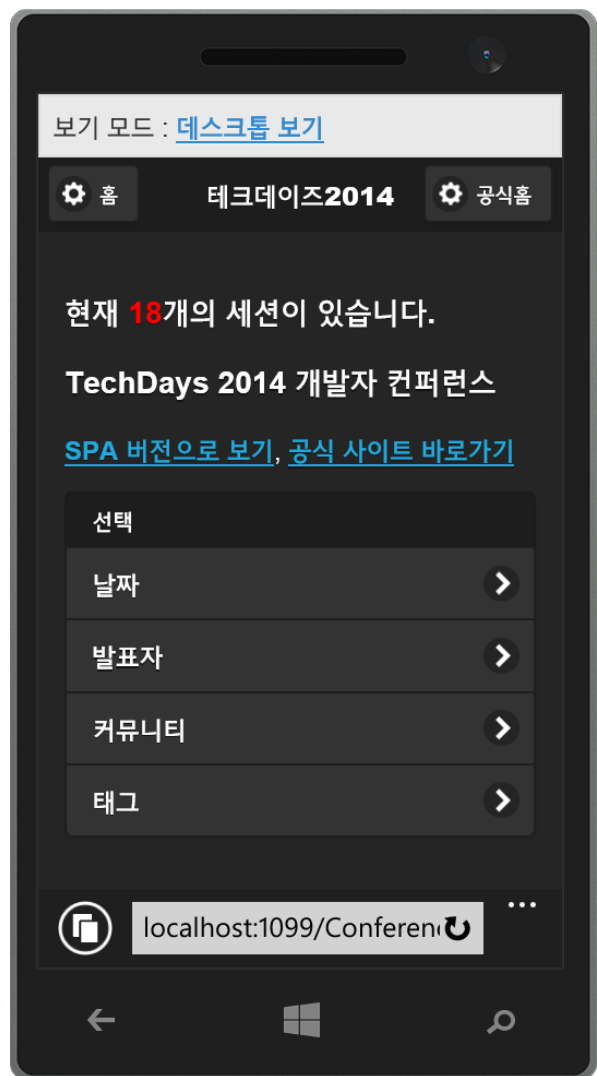
```
<body>
```

```
    <p>Modern Web Development.</p>
```

```
</body>
```

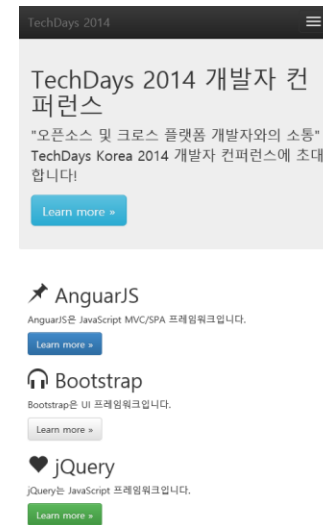
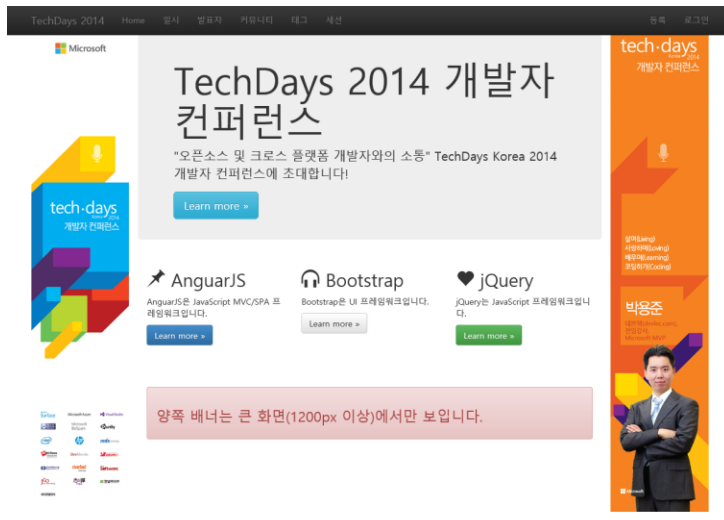
```
</html>
```


모바일



반응형 디자인(Responsive Design)

- 브라우저 크기마다 서로 다른 스타일 적용
 - 데스크톱 브라우저는 큰 사이즈에 맞게 보임
 - 모바일 브라우저는 모바일에 최적화되어 보이도록 설정
- CSS3 Media Queries: 사이즈에 따른 스타일
 - @media only screen and (max-width: 850px) {}

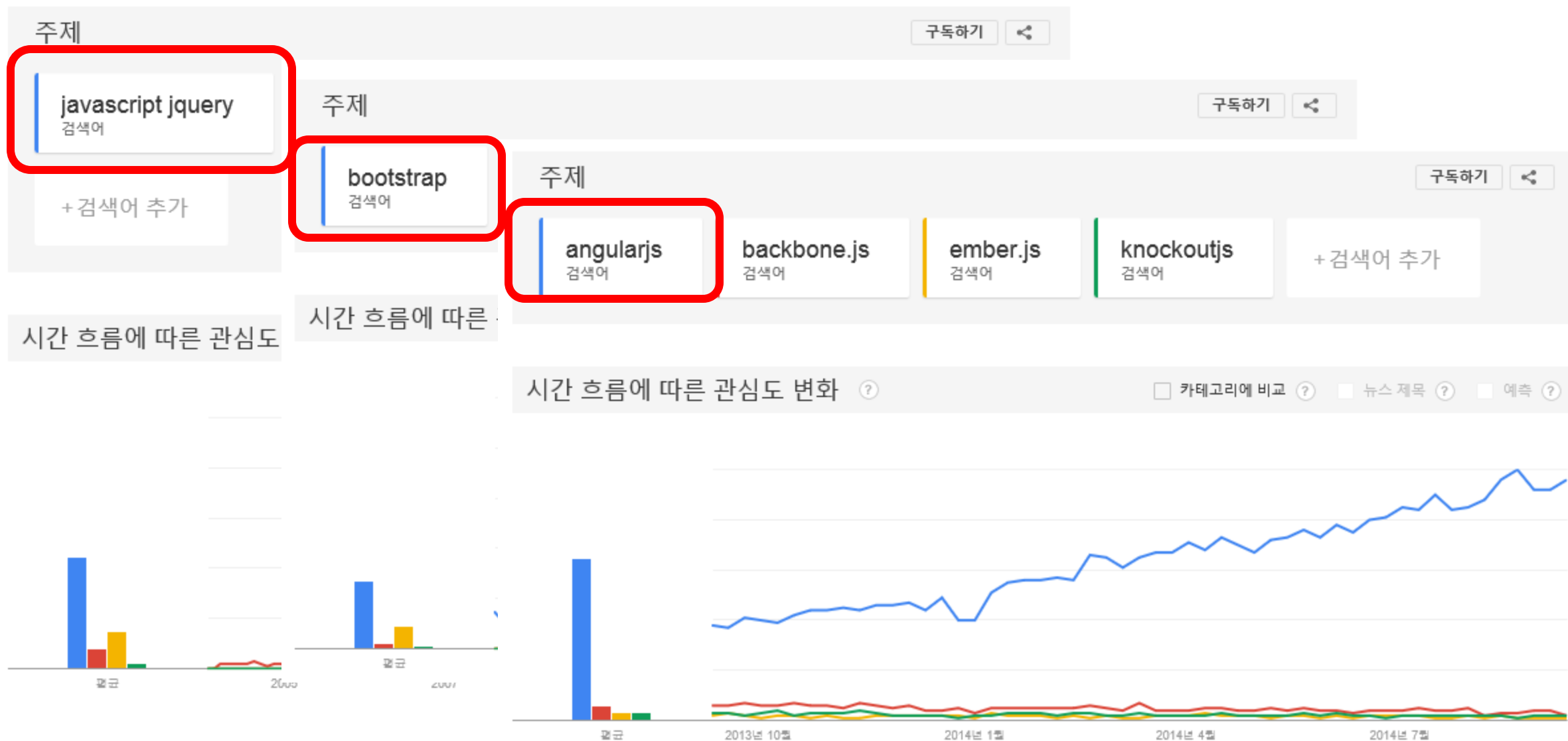


프레임워크의 등장!

- HTML
 - HTML5 Boilerplate
- CSS
 - Bootstrap
- JavaScript
 - jQuery
- **올인원**(MV*): MVC, MVVM, MVP, SPA, ...
 - AngularJS



트렌드



HTML

데모

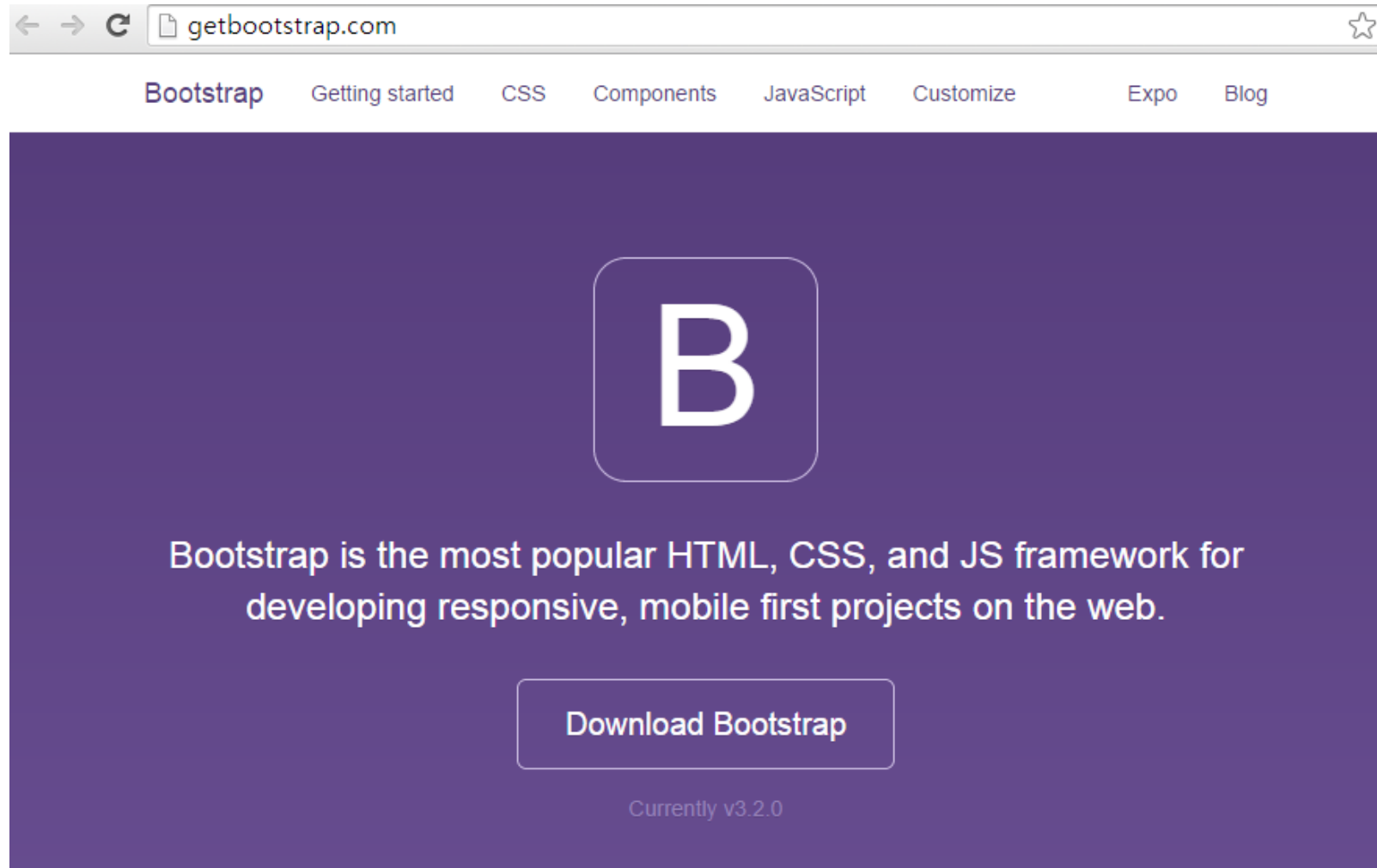


Hello, World Wide Web

Bootstrap

Bootstrap

- <http://getbootstrap.com/>



Bootstrap의 특징

Grid & Layout

CSS class 변경으로 손쉽게 웹 페이지 다중 **[레이아웃]** 구현

Mobile First Responsive Design

모바일과 태블릿 그리고 데스크톱을 위한 **[반응형 디자인]**

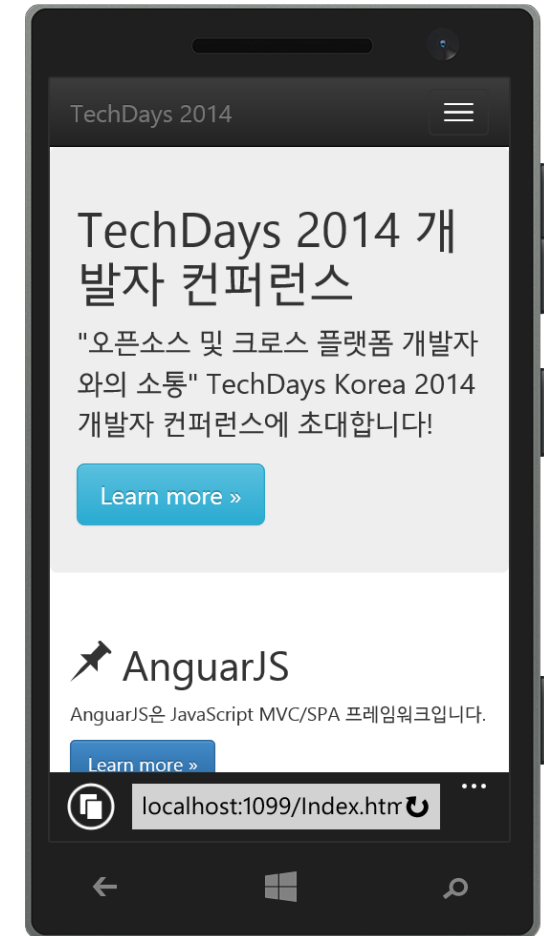
Components

버튼, 입력 요소, 페이지, 모달 등 다양한 **[컴포넌트]** 제공

반응형 레이아웃(Responsive Layout)

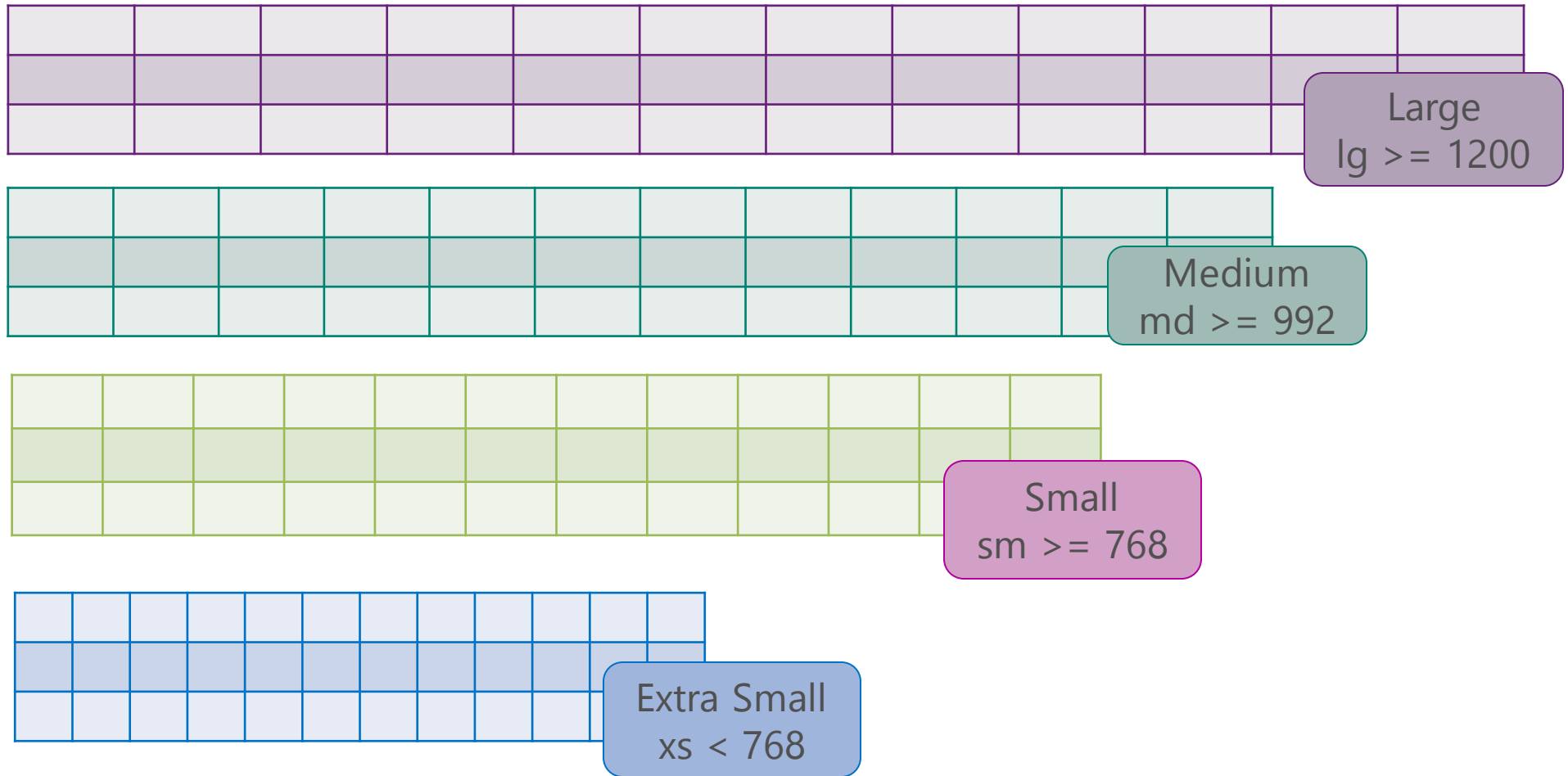


데스크톱

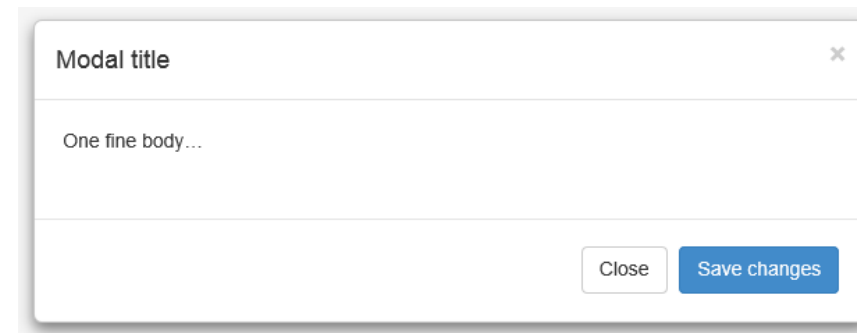
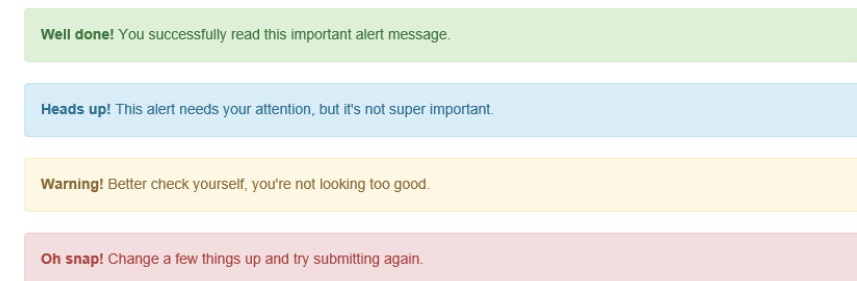
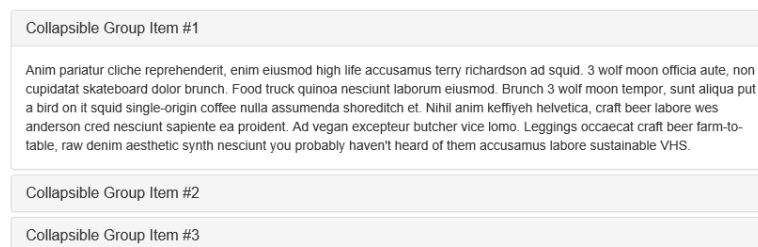
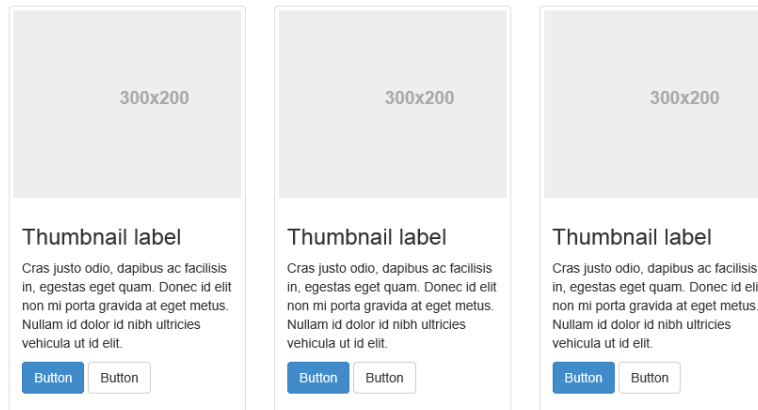
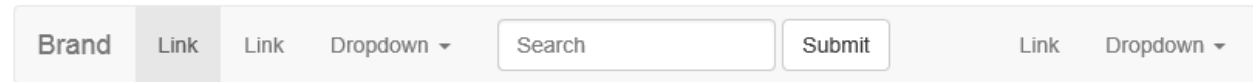


모바일

Bootstrap Grid System

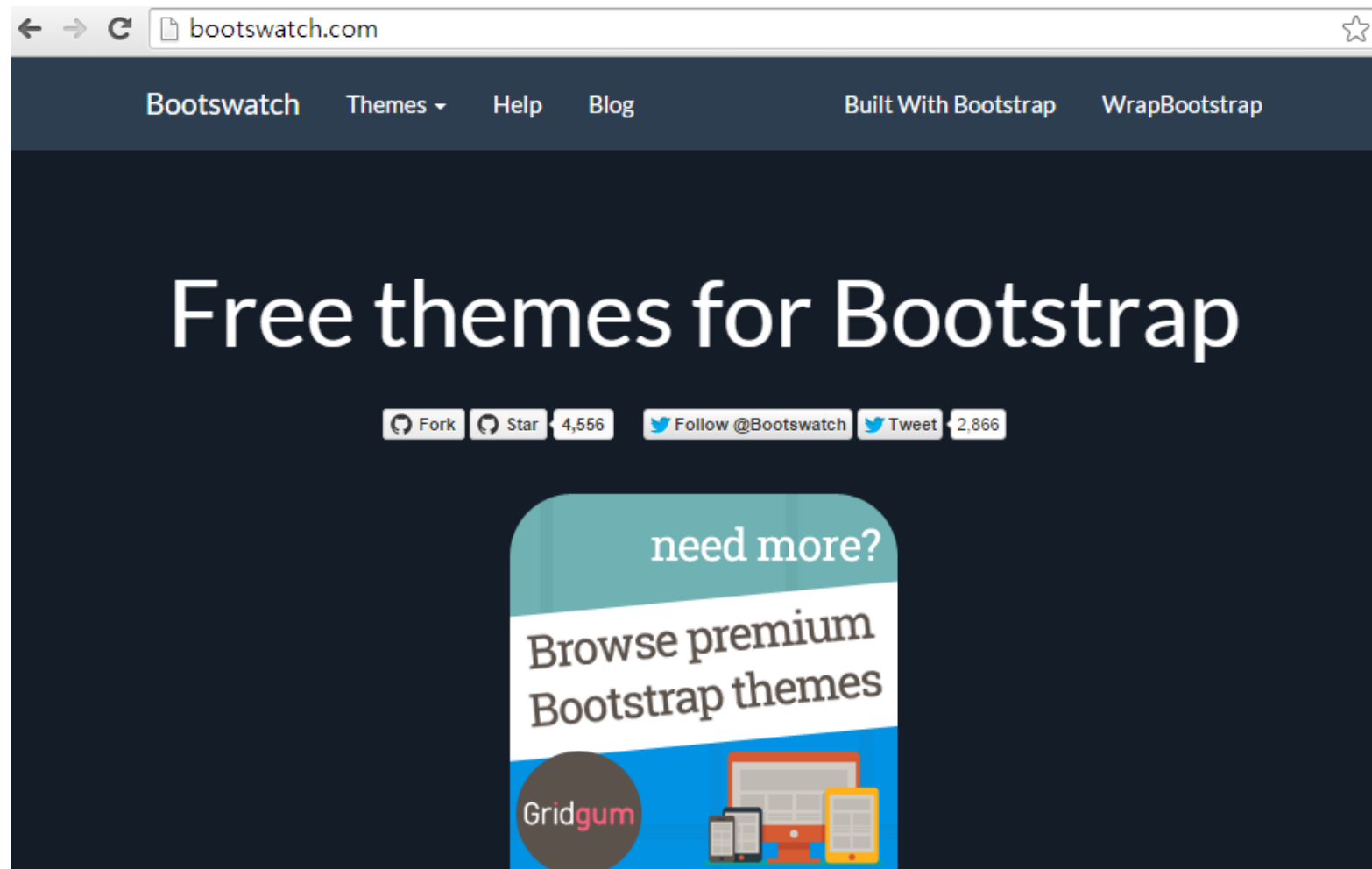


컴포넌트(Components)



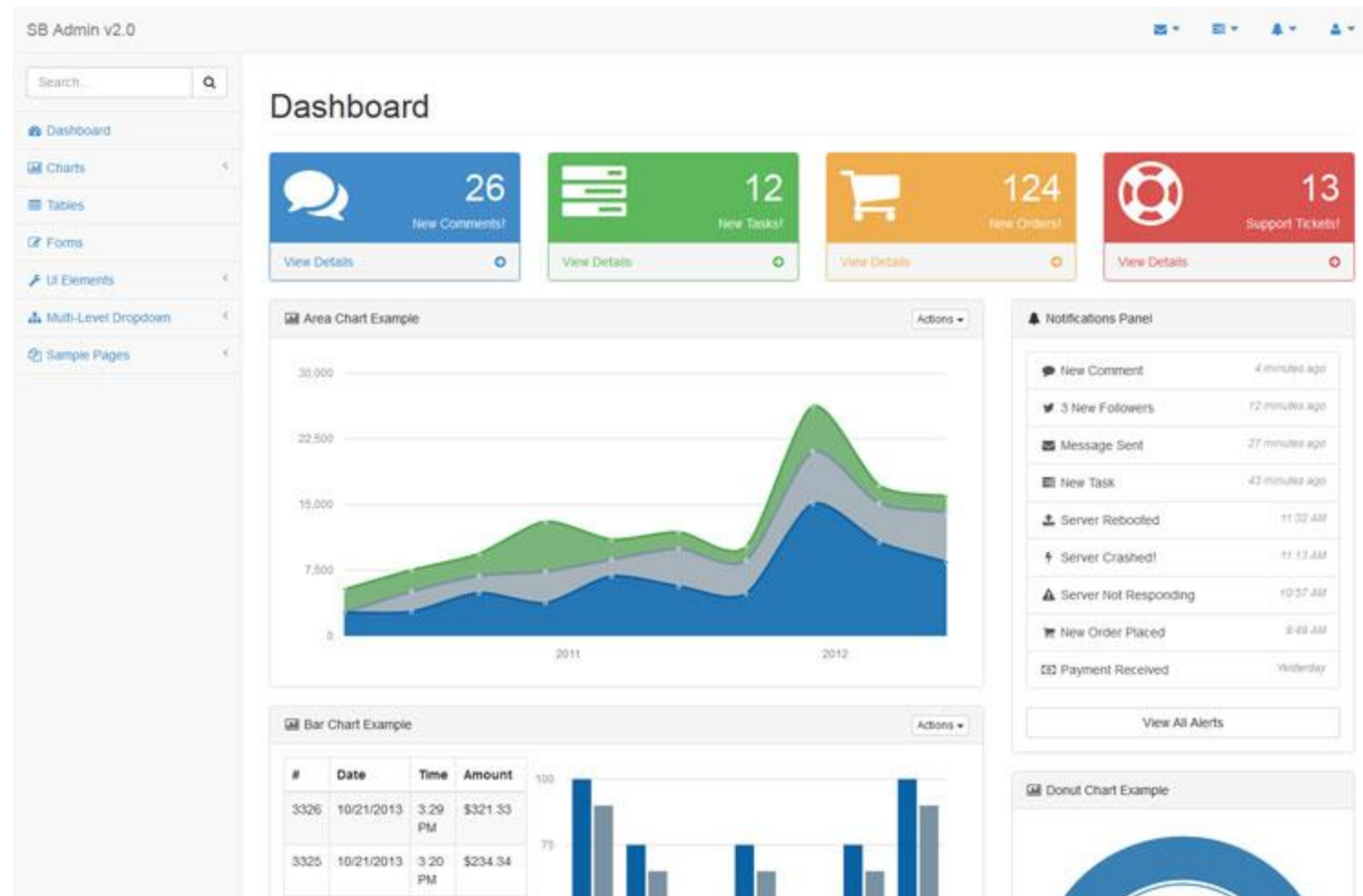
Bootstrap 테마

- <http://bootswatch.com/>



Bootstrap 템플릿

- <http://startbootstrap.com/>



Bootstrap 템플릿 제공: {wrap}bootstrap

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Bootstrap Themes & Templates

Bootstrap is an HTML5 & CSS3 framework designed to help you kickstart the development of webapps and sites. WrapBootstrap is a marketplace for premium Bootstrap themes and templates. Impress your clients and visitors while using a single, rock-solid foundation.

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Branch: All · 3x · 2x

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\$18

🛒 6474

Updated 2 weeks ago

Unify - Responsive Website Template



\$18

🛒 15650

Updated 3 months ago

120

데모

Bootstrap



AngularJS

AngularJS

- <http://angularjs.org/>



AngularJS의 특징

JavaScript All In One - MVC Framework
JavaScript [오픈소스] 프레임워크

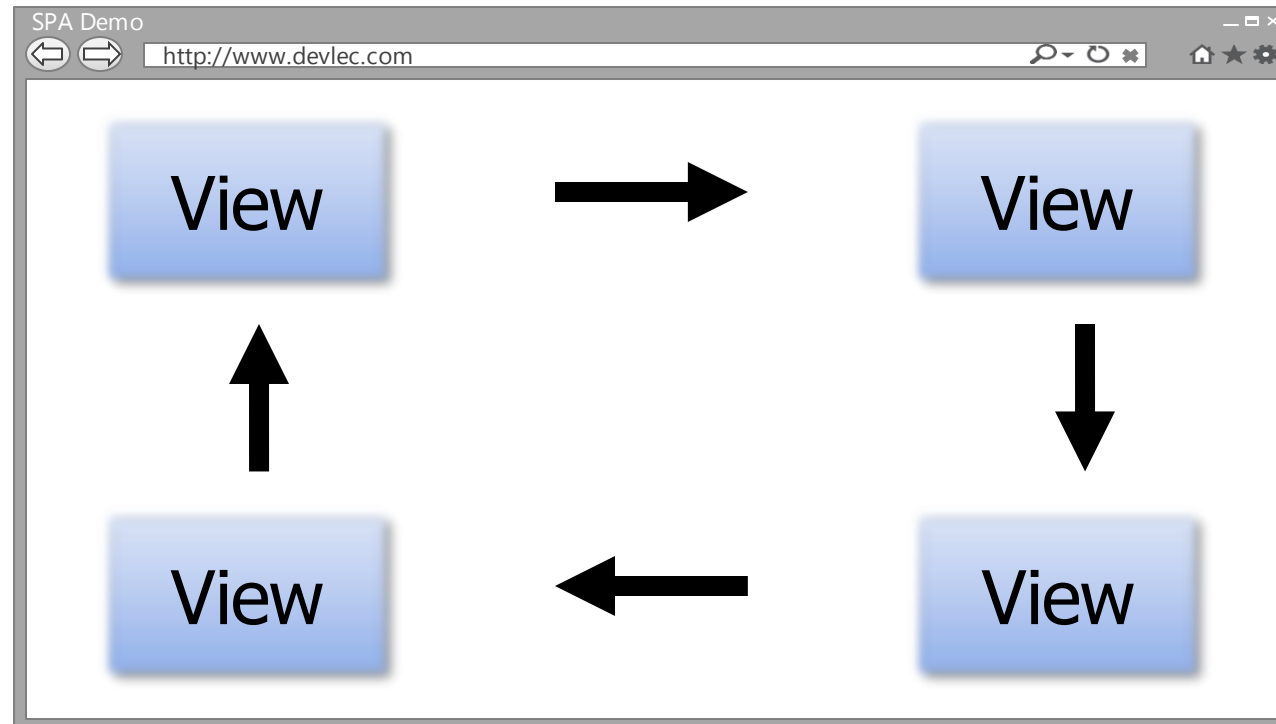
Single Page Application

단일 페이지로 구현되는 [SPA] 애플리케이션 구현

Template

뷰 페이지 관련 순수 HTML로 표현할 수 있는 [템플릿] 엔진

Single Page Application (SPA)



데모

AngularJS



1: HTML/CSS/JavaScript

2: Visual Studio / NuGet

3: jQuery, jQuery UI, jQuery Mobile...

4: Bootstrap + Bootstrap Snippet Pack

5: AngularJS + SideWaffle

6: Windows Azure Website



마무리

참고자료

사이트

Taeyo.NET 번역 아티클: <http://www.taeyo.net/>
jQuery: <http://www.jquery.com/>
Bootstrap: <http://www.getbootstrap.com/>
AngularJS: <http://www.angularjs.org/>

강좌

<http://channel9.msdn.com/>
<http://www.microsoftvirtualacademy.com/>

Visual Studio 플러그인

SideWaffle Template Pack
<http://visualstudiogallery.msdn.microsoft.com/a16c2d07-b2e1-4a25-87d9-194f04e7a698>
Bootstrap Snippet Pack
<http://visualstudiogallery.msdn.microsoft.com/e82e7862-f731-4183-a27a-3a44b261bfe5>
Bootstrap Bundle
<http://visualstudiogallery.msdn.microsoft.com/0ee28a85-fcb6-4e59-8ef8-4f5a35bbaa8a>

기타

데모 사이트 및 데모 소스 다운로드:
<http://techdays.me/>
<http://techdayskorea.azurewebsites.net/>

핸즈온랩

- <http://www.visualacademy.com/DotNetNote/BoardView?BoardName=WebCamp&Num=4>