

# Chapter 3-3 HTML Template

동적 HTML

JSP와 Thymeleaf

실습

React, Vue, Node와 Spring Boot

## 동적 HTML

### Example Domain

This domain is for use in illustrative examples in documents. You may use this domain in literature without prior coordination or asking for permission.

[More information...](#)

사용자, 상황에 따른 내용 변화가 없다.



현재 시각, 사용자에게 따른 내용이 달라진다.

```

<> index.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, init
7      <title>Home</title>
8  </head>
9  <body>
10     HELLO WORKS!
11 </body>
12 </html>
13

```

Static(정적) Contents: 이미 작성이 완료되어 변하지 않는 파일들, HTML, CSS, JS, Image 등

```

<tbody>
  <tr th:each="profile: ${profiles}">
    <td th:text="${profile.name}"/>
    <td th:text="${profile.age}"/>
    <td th:text="${profile.occupation}"/>
  </tr>
</tbody>

```

Dynamic(동적) Web Page: 서버에서 HTML 문서의 내용을 데이터에 따라 다르게 작성하여 제공되는 페이지

## JSP와 Thymeleaf



## 실습

Spring Initializr x Maven Repository: org.springframework

mvnrepository.com/artifact/org.springframework.boot/spring-boot-starter-thymeleaf/2.5.9

앱 Gmail YouTube 지도 JaeYeopHan/Inter... [멋사xABLY] Exter... 시간표 | KCEC2022

### Spring Boot Starter Thymeleaf » 2.5.9

Starter for building MVC web applications using Thymeleaf views

License	Apache 2.0
Organization	Pivotal Software, Inc.
HomePage	<a href="https://spring.io/projects/spring-boot">https://spring.io/projects/spring-boot</a>
Date	(Jan 20, 2022)
Files	<a href="#">pom (2 KB)</a> <a href="#">jar (4 KB)</a> <a href="#">View All</a>
Repositories	Central
Used By	535 artifacts

**Note:** There is a new version for this artifact

New Version	2.6.3
-------------	-------

Maven Gradle Gradle (Short) Gradle (Kotlin) SBT Ivy Grape Leiningen Buildr

```
//  
https://mvnrepository.com/artifact/org.springframework.boot/spring-boot-starter-thymeleaf  
implementation group: 'org.springframework.boot', name: 'spring-boot-starter-thymeleaf', version: '2.5.9'
```

☒ Include comment with link to declaration

**Copied to clipboard!**

Projects (millions)  
Year

Popular Categories

- Aspect Oriented
- Actor Frameworks
- Application Metrics
- Build Tools
- Bytecode Libraries
- Command Line Parsers
- Cache Implementations
- Cloud Computing
- Code Analyzers
- Collections
- Configuration Libraries
- Core Utilities
- Date and Time Utilities
- Dependency Injection
- Embedded SQL Databases
- HTML Parsers
- HTTP Clients
- I/O Utilities
- JDBC Extensions

```
implementation 'org.springframework.boot:spring-boot-starter-thymeleaf'
//implementation 'org.apache.tomcat.embed:tomcat-embed-jasper'
//implementation 'javax.servlet:jstl'
```

## build.gradle에 추가

```
@Controller
@RequestMapping("view")
public class SampleController {
    private static final Logger logger
        = LoggerFactory.getLogger(SampleController.class);

    @GetMapping("/sample-jsp")
    public ModelAndView sampleJsp(Model model){
        logger.info("in sample jsp");
        ModelAndView modelAndView = new ModelAndView();
        List<SamplePayload> profiles = new ArrayList<>();
        profiles.add(new SamplePayload("Adam", 22, "Student"));
        profiles.add(new SamplePayload("Bradley", 29, "Accountant"));
        profiles.add(new SamplePayload("Charlie", 35, "Developer"));

        modelAndView.addObject("profiles", profiles);
        modelAndView.setViewName("view-thyme");
        return modelAndView;
    }
}
```

## view-jsp.jsp

```
<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>

<html>
    <head>
        <title>View Profiles</title>
    </head>
    <body>
        <table>
            <thead>
                <tr>
                    <th>Name</th>
                    <th>Age</th>
                    <th>Occupation</th>
                </tr>
            </thead>
            <tbody>
                <c:forEach item="${profiles}" var="profile">
                    <tr>
                        <td>${profile.name}</td>
```

```

        <td>${profile.age}</td>
        <td>${profile.occupation}</td>
    </tr>
</c:forEach>
</tbody>
</table>
</body>
</html>

```

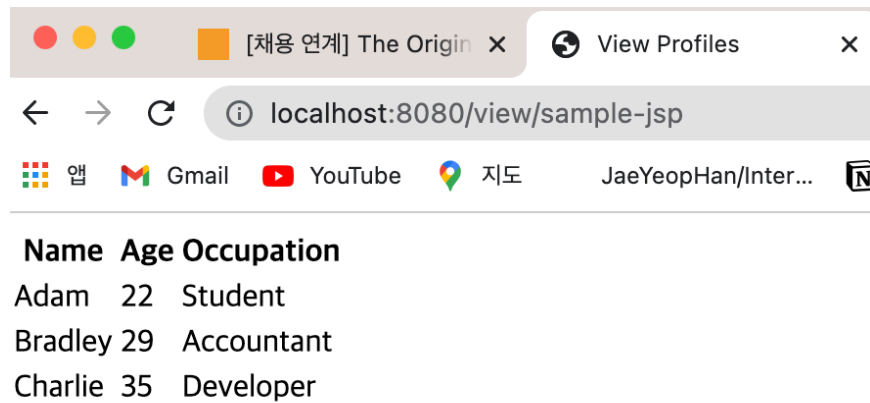
## application.properties

```

spring.mvc.view.prefix: /WEB-INF/jsp/
spring.mvc.view.suffix: .jsp

```

## 실행 결과

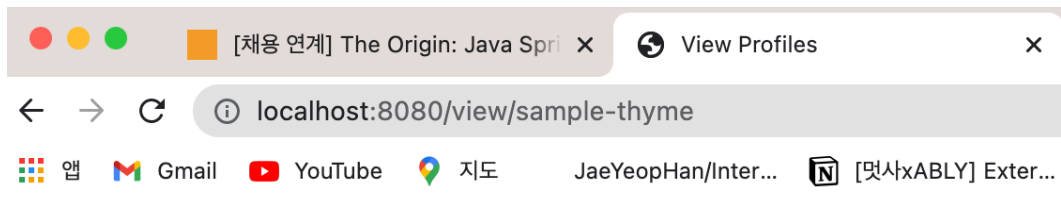


```

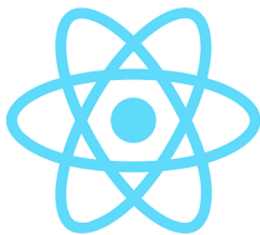
@GetMapping("/sample-thyme")
public ModelAndView sampleThyme(){
    ModelAndView modelAndView = new ModelAndView();
    logger.info("in sample thyme");
    List<SamplePayload> profiles = new ArrayList<>();
    profiles.add(new SamplePayload("Adam", 22, "Student"));
    profiles.add(new SamplePayload("Bradley", 29, "Accountant"));
    profiles.add(new SamplePayload("Charlie", 35, "Developer"));

    modelAndView.addObject("profiles", profiles);
    modelAndView.setViewName("view-thyme");
    return modelAndView;
}

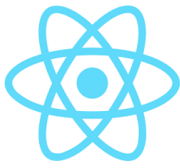
```



## React, Vue, Node와 Spring Boot



Framework 선택의 기준



## React (JavaScript library)

From Wikipedia, the free encyclopedia

*For the open-source mobile application framework, see [React Native](#).*

**React** (also known as **React.js** or **ReactJS**) is a [free and open-source front-end JavaScript library](#)<sup>[3]</sup> for [building user interfaces](#) based on UI components. It is maintained



## Vue.js

From Wikipedia, the free encyclopedia

**Vue.js** (commonly referred to as **Vue**; pronounced [/vjuː /](#), like "view"<sup>[4]</sup>) is an [open-source model-view-viewmodel front end JavaScript framework](#) for [building user interfaces](#) and [single-page applications](#).<sup>[1]</sup> It was created by Evan

UI를 만들기 위한 라이브러리 / 프레임워크 – HTML을 효율적으로 작성하기 위한 기술

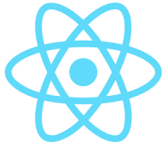


## Node.js

From Wikipedia, the free encyclopedia

**Node.js** is an [open-source, cross-platform, back-end JavaScript runtime environment](#) that runs on the [V8 engine](#) and executes JavaScript code outside a [web browser](#). Node.js lets developers use JavaScript to write

Javascript를 브라우저 외부에서 사용하기 위한 기술 – 일반적으로 웹 어플리케이션을 만드는데 활용



Front-End

Back-End