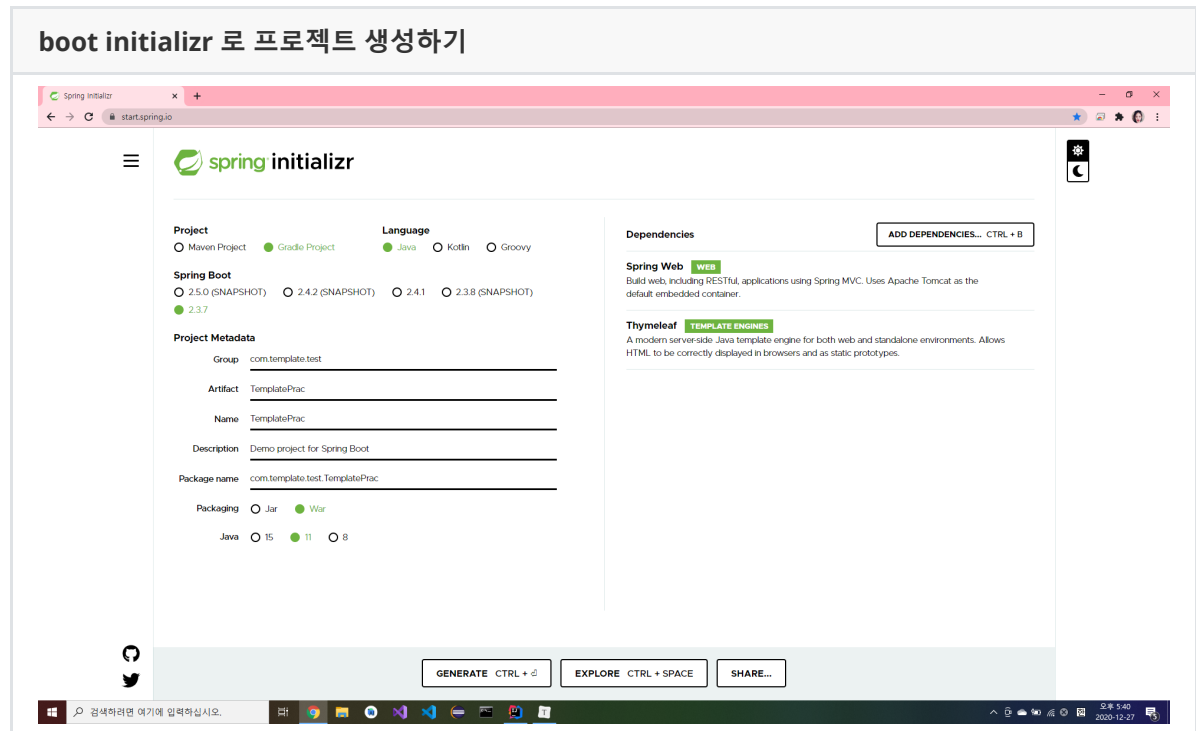


# Thymeleaf 로 템플릿 만들기

## 1. 프로젝트 생성하기



- Gradle
- Java 11
- Package type - war
- Dependencies
  - Spring web
  - Thymeleaf

## 2. build.gradle

```
plugins {  
    id 'org.springframework.boot' version '2.3.7.RELEASE'  
    id 'io.spring.dependency-management' version '1.0.10.RELEASE'  
    id 'java'  
}  
  
group = 'com.example'  
version = '0.0.1-SNAPSHOT'  
sourceCompatibility = '11'
```

```
repositories {
    mavenCentral()
}

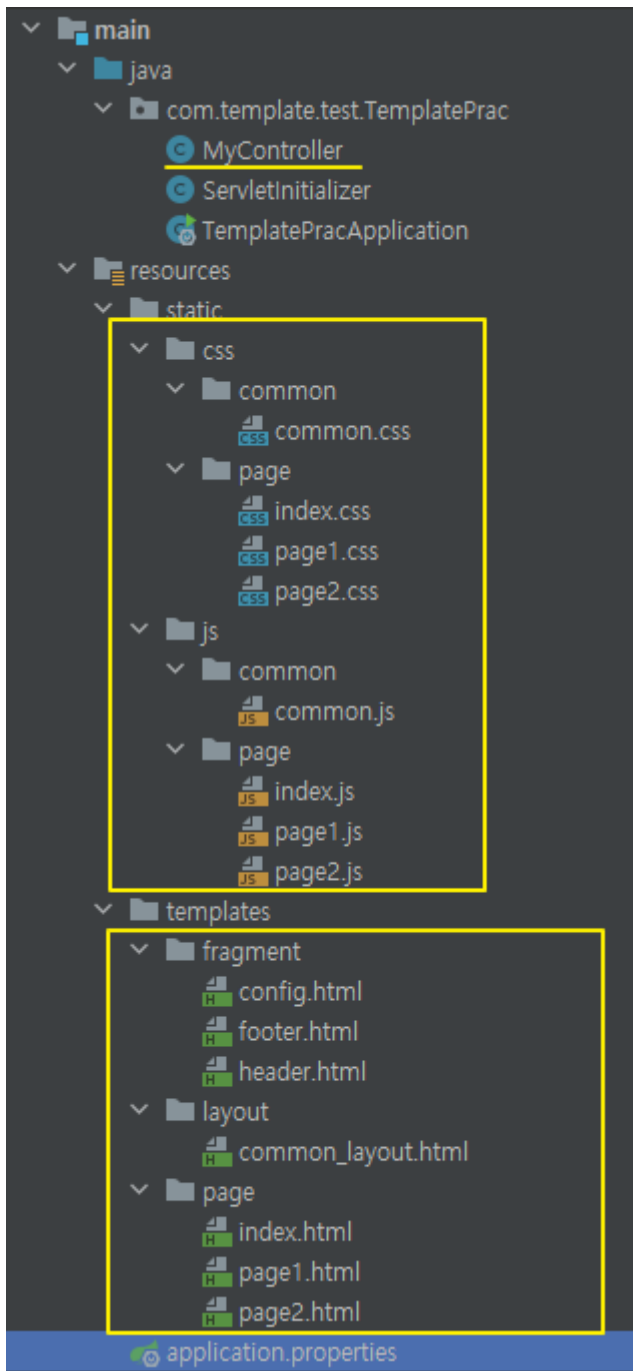
dependencies {
    implementation 'org.springframework.boot:spring-boot-starter-thymeleaf'
    implementation 'org.springframework.boot:spring-boot-starter-web'
    testImplementation('org.springframework.boot:spring-boot-starter-test') {
        exclude group: 'org.junit.vintage', module: 'junit-vintage-engine'
    }

    // 이 부분 추가할 것!
    // https://mvnrepository.com/artifact/nz.net.ultraq.thymeleaf/thymeleaf-
    layout-dialect
    implementation group: 'nz.net.ultraq.thymeleaf', name: 'thymeleaf-layout-
    dialect'
}

test {
    useJUnitPlatform()
}
```

### 3. src/main 에 다음 파일을 추가

---



## Controller

```
package com.template.test.TemplatePrac;

import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMapping;

@Controller
public class MyController {

    @RequestMapping("/")
    public String index(){
```

```

        return "page/index";
    }

    @RequestMapping("/page1")
    public String page1(){
        return "page/page1";
    }

    @RequestMapping("/page2")
    public String page2(){
        return "page/page2";
    }
}

```

## src/main/resources/static/css/common/common.css

모든 페이지에 적용할 공통 css 를 작성한다.

```

/*
모든 페이지에 적용할 공통 스타일
*/

*
{
    margin: 0;
    padding: 0;
    border: 0;
}

body
{
    font: 62.5%/1.5 "Lucida Grande", "Lucida Sans", Tahoma, Verdana, sans-serif;
    color: #000000;
    text-align:center;
}

#wrapper
{
    width:980px;
    text-align:left;
    margin-left:auto;
    margin-right:auto;
    background-color: #FFFFFF;
}

table
{
    border-spacing: 0;
    border-collapse: collapse;
}

td

```

```

{
    text-align: left;
    font-weight: normal;
}

h1
{
    font-size: 2.2em;
}

h2
{
    font-size: 2.0em;
}

h3
{
    font-size: 1.8em;
}

h4
{
    font-size: 1.6em;
}

h5
{
    font-size: 1.4em;
}

p
{
    font-size: 1.2em;
}

```

## src/main/resources/static/css/page/index.css

각 페이지에 적용할 CSS 가 있다면 스타일 파일을 생성한다.

```

/*
index.html 에만 적용할 스타일이 있다면...
*/

```

## src/main/resources/static/css/page/page1.css

```

/*
page1.html 에만 적용할 스타일이 있다면...
*/

body {
    background: aqua;
}

```

## src/main/resources/static/css/page/page2.css

```

/*
page2.html 에만 적용할 스타일이 있다면...
*/

body {
    background: tomato;
}

```

js 도 마찬가지로 작업한다.

## 4. templates/fragment

### config.html

```

<html lang="ko"
    xmlns:th="http://www.thymeleaf.org"
    xmlns:layout="http://www.ultraq.net.nz/thymeleaf/layout">

<!--configFragment 선언-->
<th:block th:fragment="configFragment">

    <!-- 이 영역에 공통으로 사용할 css, js library를 선언한다. -->
    <link rel="stylesheet" th:href="@{/css/common/common.css}" >
    <script th:src="@{/js/common/common.js}"></script>

    <!-- 공통으로 사용할 CDN 선언 -->
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js">
</script>

```

```

    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js">
    </script>

    <!-- Content Page의 CSS fragment가 있다면 삽입될 위치-->
    <th:block layout:fragment="css"></th:block>

    <!-- Content Page의 script fragment가 있다면 삽입될 위치-->
    <th:block layout:fragment="script"></th:block>

</th:block>
</html>

```

## footer.html

```

<html lang="ko"
xmlns:th="http://www.thymeleaf.org">

<!--footerFragment 선언-->
<div th:fragment="footerFragment">
    <h1>이 부분은 footer</h1>
</div>

</html>

```

## header.html

```

<html lang="ko" xmlns:th="http://www.thymeleaf.org">
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<div th:fragment="headerFragment">
    <h1>이 부분은 header</h1>
</div>
</html>

```

## 5. templates/layout

### common\_layout.html

```

<!DOCTYPE html>

<html lang="ko"
xmlns:th="http://www.thymeleaf.org"

```

```

xmlns:layout="http://www.ultraq.net.nz/thymeleaf/layout">

<meta charset="UTF-8" />
<title>Template Test</title>

<!-- config fragment 를 이곳에 -->
<th:block th:replace="fragment/config :: configFragment" ></th:block>

<body>
<!-- header fragment 를 이곳에 -->
<th:block th:replace="fragment/header :: headerFragment"></th:block>

<!--
    content fragment 사용
    현재 layout을 사용하는 content fragment의 내용을 삽입한다.
-->
<th:block layout:fragment="content"></th:block>

<!-- footer fragment 를 이곳에 -->
<th:block th:replace="fragment/footer :: footerFragment"></th:block>
</body>

</html>

```

## 6. templates/page

위에서 설정한 config, header, footer와 layout을 뷰에 적용해보자.

### index.html

```

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml"
      xmlns:th="http://www.thymeleaf.org"
      xmlns:layout="http://www.ultraq.net.nz/thymeleaf/layout"
      layout:decorate="layout/common_layout">

<!-- index.html 고유 CSS 추가 -->
<th:block layout:fragment="css">
    <link rel="stylesheet" th:href="@{/css/page/index.css}" >
</th:block>

<!-- index.html 고유 스크립트 추가 -->
<th:block layout:fragment="script">
    <script th:src="@{/js/page/index.js}"></script>
</th:block>

<div layout:fragment="content">
    <h1>이곳은 index</h1>
</div>

```



```
</html>
```

## page1.html

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml"
      xmlns:th="http://www.thymeleaf.org"
      xmlns:layout="http://www.ultraq.net.nz/thymeleaf/layout"
      layout:decorate="layout/common_layout">

  <!-- index.html 고유 CSS 추가 -->
  <th:block layout:fragment="css">
    <link rel="stylesheet" th:href="@{/css/page/page1.css}" >
  </th:block>

  <!-- index.html 고유 스크립트 추가 -->
  <th:block layout:fragment="script">
    <script th:src="@{/js/page/page1.js}"></script>
  </th:block>

  <div layout:fragment="content">
    <h1>이곳은 page1</h1>
  </div>

</html>
```

## page2.html

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml"
      xmlns:th="http://www.thymeleaf.org"
      xmlns:layout="http://www.ultraq.net.nz/thymeleaf/layout"
      layout:decorate="layout/common_layout">

  <!-- index.html 고유 CSS 추가 -->
  <th:block layout:fragment="css">
    <link rel="stylesheet" th:href="@{/css/page/page2.css}" >
  </th:block>

  <!-- index.html 고유 스크립트 추가 -->
  <th:block layout:fragment="script">
    <script th:src="@{/js/page/page2.js}"></script>
  </th:block>

  <div layout:fragment="content">
    <h1>이곳은 page2</h1>
  </div>

</html>
```

## 7. 결과 확인

