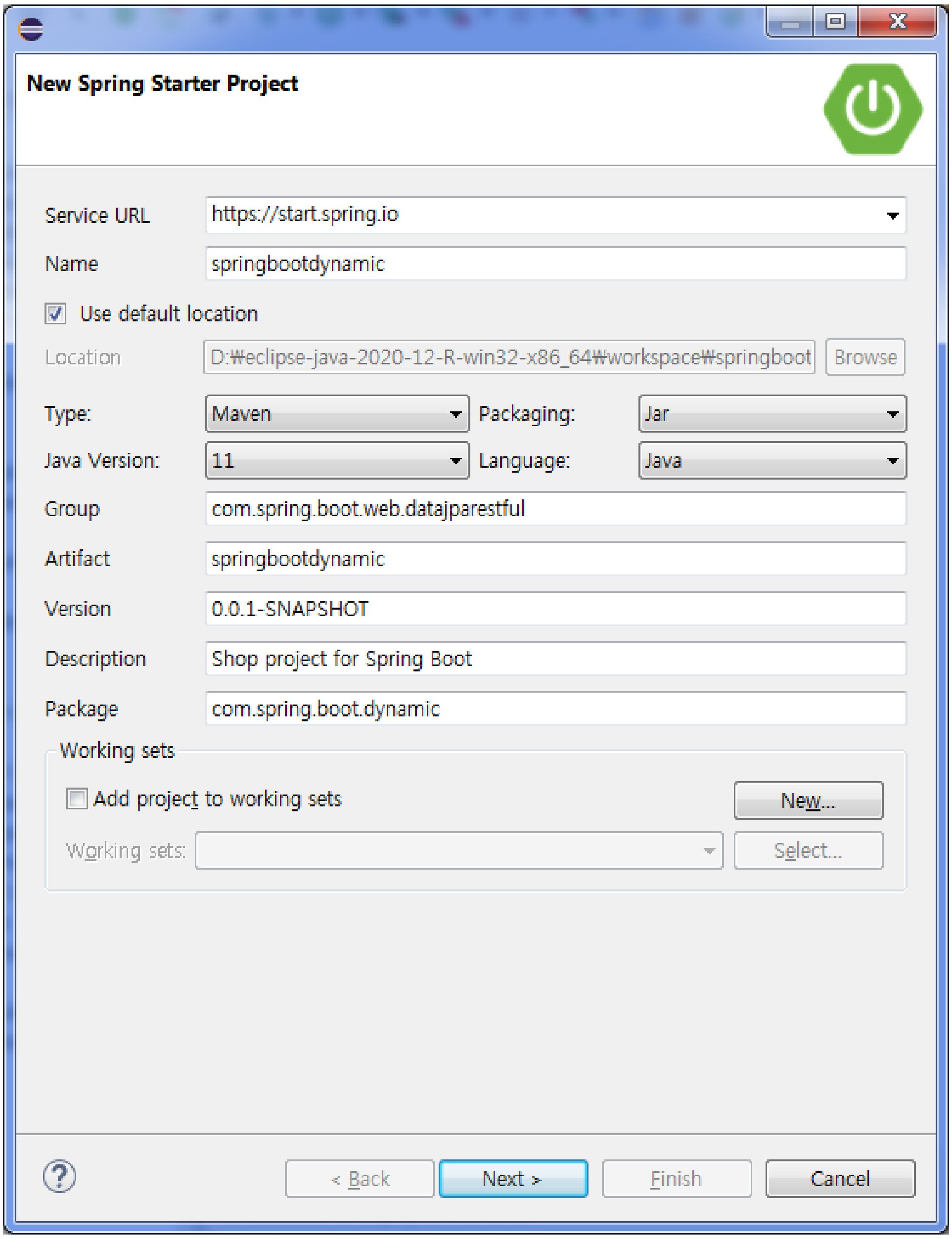
1. springbootdynamic

가. 프로젝트 생성



New Spring Starter Project

Service URL: https://start.spring.io

Name: springbootdynamic

☑ Use default location

Location: D:₩eclipse-java-2020-12-R-win32-x86_64₩workspace₩springboot

Type: Maven

Packaging: Jar

Java Version: 11

Language: Java

Group: com.spring.boot.web.datajparestful

Artifact: springbootdynamic

Version: 0.0.1-SNAPSHOT

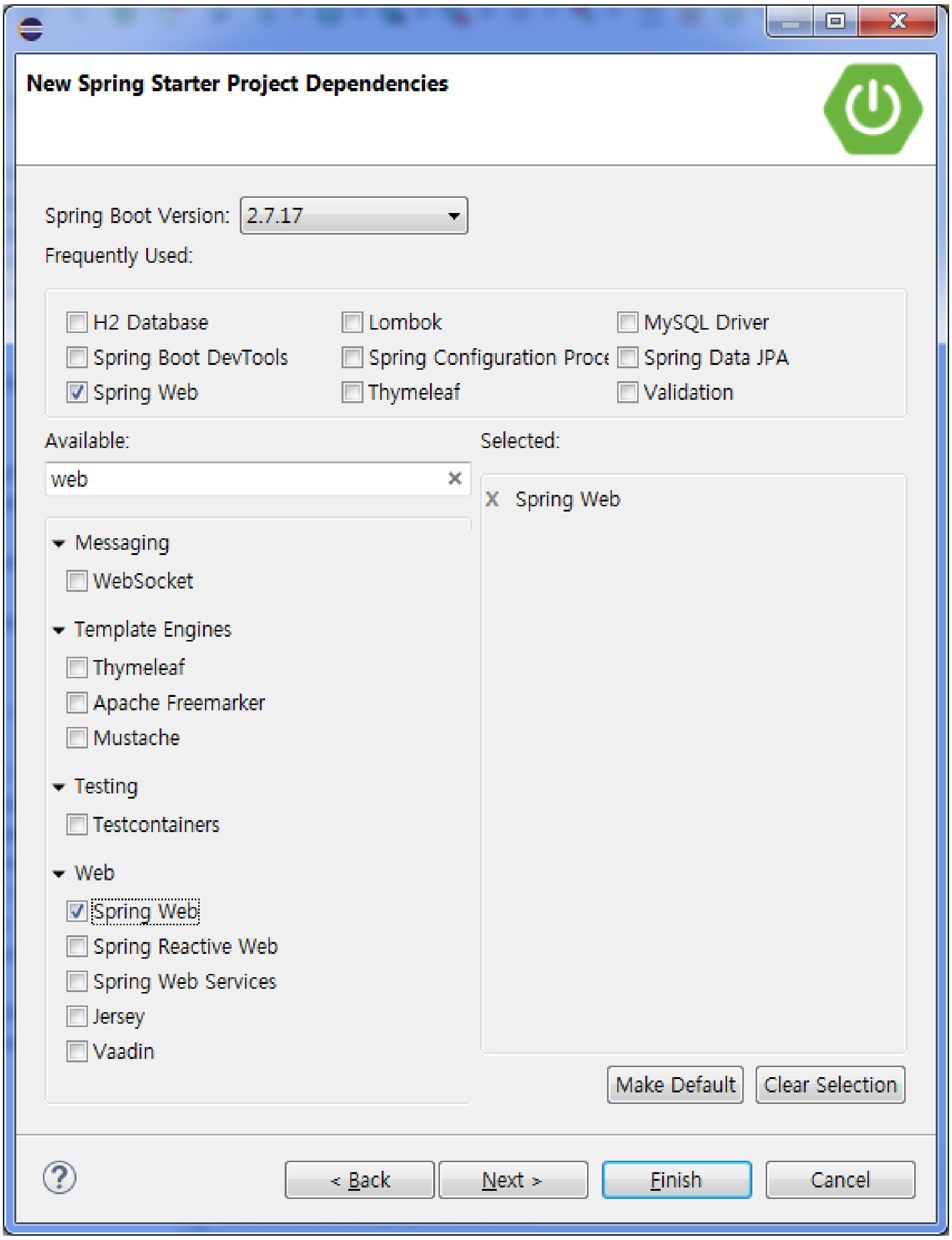
Description: Shop project for Spring Boot

Package: com.spring.boot.dynamic

Working sets

☐ Add project to working sets

Working sets:



New Spring Starter Project Dependencies

Spring Boot Version: 2.7.17

Frequently Used:

☐ H2 Database　☐ Lombok　☐ MySQL Driver
☐ Spring Boot DevTools　☐ Spring Configuration Proce　☐ Spring Data JPA
☑ Spring Web　☐ Thymeleaf　☐ Validation

Available: web

- Messaging
  - ☐ WebSocket
- Template Engines
  - ☐ Thymeleaf
  - ☐ Apache Freemarker
  - ☐ Mustache
- Testing
  - ☐ Testcontainers
- Web
  - ☑ Spring Web
  - ☐ Spring Reactive Web
  - ☐ Spring Web Services
  - ☐ Jersey
  - ☐ Vaadin

Selected:

X Spring Web

나. pom.xml 수정

```
    <dependencies>
            <dependency>
                    <groupId>org.springframework.boot</groupId>
                    <artifactId>spring-boot-starter-web</artifactId>
            </dependency>

            <dependency>
                    <groupId>org.springframework.boot</groupId>
                    <artifactId>spring-boot-starter-tomcat</artifactId>
```

```xml
                        <scope>provided</scope>
                </dependency>

                <dependency>
                        <groupId>org.springframework.boot</groupId>
                        <artifactId>spring-boot-starter-test</artifactId>
                        <scope>test</scope>
                </dependency>
        </dependencies>
```

다. application.properties 수정

```
server.port=8081
server.servlet.context-path=/dynamic
```

라. 서블릿 초기화

```java
package com.spring.boot.dynamic;

import org.springframework.boot.builder.SpringApplicationBuilder;
import org.springframework.boot.web.servlet.support.SpringBootServletInitializer;

public class ServletInitializer extends SpringBootServletInitializer {

        @Override
        protected SpringApplicationBuilder configure(SpringApplicationBuilder builder) {
                return builder.sources(SpringbootdynamicApplication.class);
        }
}
```

마. 컨트롤러 생성

```java
package com.spring.boot.dynamic;

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

@Controller
public class TestController {

        @RequestMapping(value = "/test1", method = RequestMethod.GET)
```

```
	public String getEmpInfo(@RequestParam String empid, @RequestParam String name) {
		System.out.println(name + "의 사번은 " + empid);
		return "index.html";
	}

	@RequestMapping(value="/test2", method = RequestMethod.GET)
	public String getOthersInfo(String subject, String grade) {
		System.out.println(subject + "의 학점은 " + grade);
		return "index.html";
	}
}
```

바. HTML 만들기: src/main/에 webapp 폴더를 만들고 index.html 생성

```
<!DOCTYPE html>
<html>
<head>
<meta charset="EUC-KR">
<title>SpringBootTest</title>
</head>
<body>
<h1>Hello World</h1>
</body>
</html>
```

사. 실행: 쿼리 문자열을 주지 않으면 에러(400: Bad Request)

http://localhost:8081/dynamic/test1?empid=1&name=김형태