

전자정부 표준프레임워크
나도 해보자!
표준프레임워크 **v4.0 GitHub** 컨트리뷰터!(환경셋팅)



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1. 발표자 소개

❑ 전자정부 표준프레임워크 구축/유지보수 사업참여(2011 ~ 2015)

❑ <나도 해보자! 시리즈> 오픈커뮤니티 세미나 발표

- 나도 해보자! 표준프레임워크 개발환경 구축
- 나도 해보자! 표준프레임워크 3.X 업그레이드
- 나도 해보자! Cloud Project with Kubernetes 등 다수

❑ 표준프레임워크 컨트리뷰션 행정안전부 장관상 수상(2021)

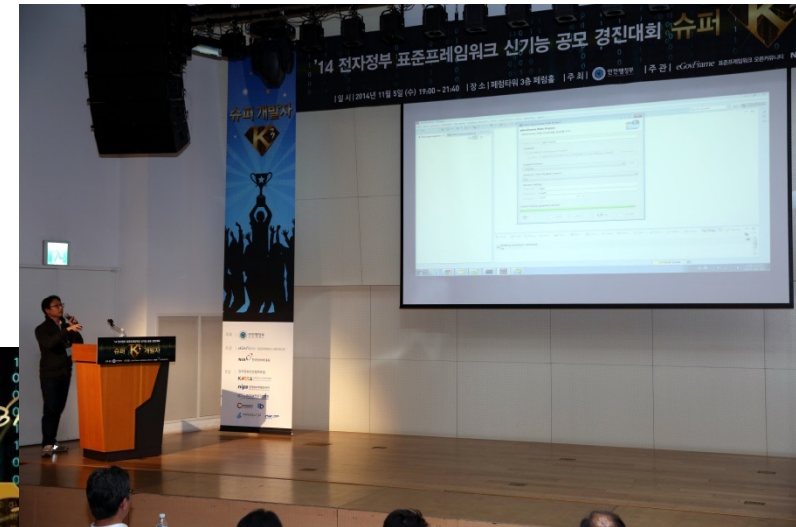
❑ 슈퍼개발자K 시즌3 동상 수상(2014)

❑ 오픈플랫폼(PaaS) 전문가과정 강의(2016)

- 강사(허광남 등 9명)

❑ 現오픈커뮤니티 리더(2015 ~)

표준프레임워크 오픈커뮤니티
eGovFrame



2. 빌드 환경구성 이해

□ 개발환경

구분	repository	난이도	비고
개발환경	egovframe-development	상	
공통컴포넌트	egovframe-common-components	하	
템플릿	egovframe-simple-homepage-template	하	
	egovframe-template-simple-react	하	
	egovframe-template-simple-backend	하	
	egovframe-enterprise-business-template	하	
	egovframe-portal-site-template	하	
실행환경	egovframe-runtime	하	
교육소스	egovframe-msa-edu	중	
모바일 디바이스	egovframe-mobile-device-api	중	

2. 빌드 환경구성 이해

❑ 개발환경

- egovframe-development
- <https://github.com/eGovFramework/egovframe-development>
- 개발환경 4.0.0(최소사양 JDK11)
- Eclipse RCP(Rich Client Platform) 필요
 - <https://www.eclipse.org/downloads/packages/release/2022-03/r/eclipse-ide-rcp-and-rap-developers>

❑ 실행 환경

- egovframe-runtime
- <https://github.com/eGovFramework/egovframe-runtime>
- 실행 환경 4.0.0(최소사양 JDK1.8)

❑ 모바일 템플릿

- egovframe-mobile-device-api
- <https://github.com/eGovFramework/egovframe-mobile-device-api>

2. 빌드 환경구성 이해

□ 공통컴포넌트

- egovframe-common-components
- <https://github.com/eGovFramework/egovframe-common-components>
 - 실행을 위해서는 별도의 database 필요

□ 템플릿 4종

- egovframe-simple-homepage-template
 - <https://github.com/eGovFramework/egovframe-simple-homepage-template>
 - 메모리 DB로 실행가능
- egovframe-enterprise-business-template
 - <https://github.com/eGovFramework/egovframe-enterprise-business-template>
 - 실행을 위해서는 별도의 database 필요
- egovframe-portal-site-template
 - <https://github.com/eGovFramework/egovframe-portal-site-template>
 - 실행을 위해서는 별도의 database 필요
- egovframe-template-simple
 - <https://github.com/eGovFramework/egovframe-template-simple-backend>
 - <https://github.com/eGovFramework/egovframe-template-simple-react.git>

2. 빌드 환경구성 이해

❑ JDK 설치

- 개발환경 4.0.0(최소사양 1.11)
- 실행환경 4.0.0(최소사양 1.8)
- <https://adoptopenjdk.net/releases.html?variant=openjdk8&jvmVariant=hotspot>
- <https://adoptopenjdk.net/releases.html?variant=openjdk11&jvmVariant=hotspot>

❑ Eclipse RCP(Rich Client Platform) 설치

- 개발환경 빌드용
 - <https://www.eclipse.org/downloads/packages/release/2022-03/r/eclipse-ide-rcp-and-rap-developers>

❑ 개발자용 개발환경 설치

- <https://www.egovframe.go.kr/home/sub.do?menuNo=94>

3. 개발환경 빌드 환경구성

❏ Target 경로 변경

- 소스 경로 → 표준프레임워크 개발환경 경로

Target Definition [Set as Active Target Platform](#)

Target Name
egovframework target

Locations
The following list of locations will be used to collect plug-ins for this target definition.

- `${workspace_loc}` 26 plug-ins available
- `D:\eclipse-jee-2020-06-R-win32-x86_64-RCP-TEST#eclipse`
 - Directory does not exist: `D:\eclipse-jee-2020-06-R-win32-x86_64-RCP-TEST#eclipse`
 - `org.eclipse.rcp - ${eclipse_home}` 5 plug-ins available

☐ Show location content

Definition | **Content** | **Environment** | **Source**

Problems **Target Platform State**

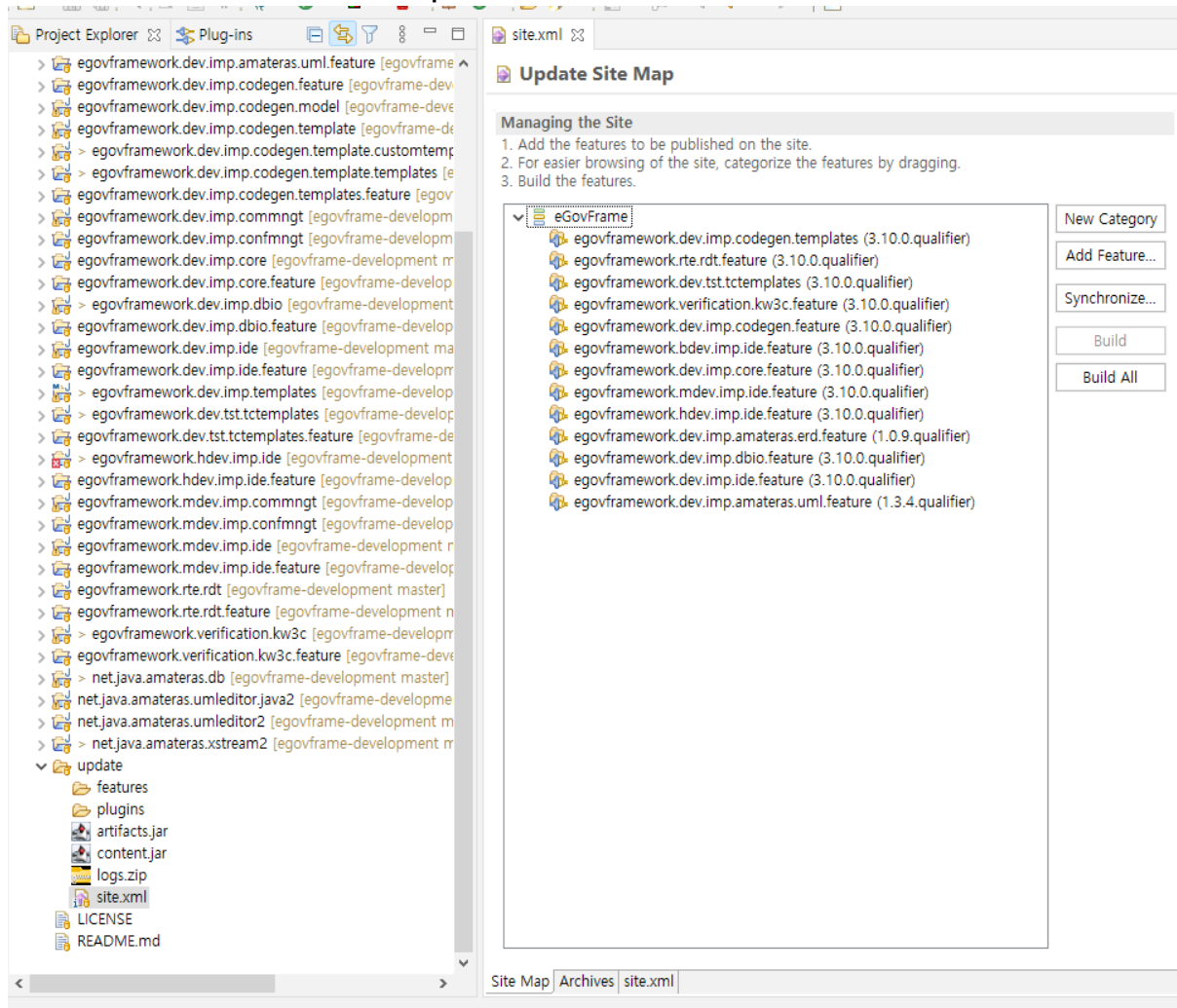
205 errors, 74 warnings, 0 others (Filter matched 174 of 279 items)

Description	Resource	Path
Archive for required library: 'lib/ant-1.6.1.jar' in project 'egovframework.bdev.imp.ide' cannot be read or is not a valid ZIP file	egovframework.bdev.imp.ide	
Archive for required library: 'lib/ant-1.6.1.jar' in project 'egovframework.dev.imp.commngt' cannot be read or is not a valid ZIP file	egovframework.dev.imp.commngt	
Archive for required library: 'lib/ant-1.6.1.jar' in project 'egovframework.dev.imp.ide' cannot be read or is not a valid ZIP file	egovframework.dev.imp.ide	
Archive for required library: 'lib/ant-1.6.1.jar' in project 'egovframework.mdev.imp.commngt' cannot be read or is not a valid ZIP file	egovframework.mdev.imp.commngt	
Archive for required library: 'lib/ant-1.6.1.jar' in project 'egovframework.mdev.imp.ide' cannot be read or is not a valid ZIP file	egovframework.mdev.imp.ide	
Archive for required library: 'lib/cglib-nodep-2.2.jar' in project 'net.java.amateras.xstream2' cannot be read or is not a valid ZIP file	net.java.amateras.xstream2	
Archive for required library: 'lib/commons-collections-3.1.jar' in project 'net.java.amateras.db' cannot be read or is not a valid ZIP file	net.java.amateras.db	
Archive for required library: 'lib/commons-collections-3.2.1.jar' in project 'egovframework.dev.imp.templates' cannot be read or is not a valid ZIP file	egovframework.dev.imp.templates	
Archive for required library: 'lib/commons-io-1.3.2.jar' in project 'egovframework.dev.imp.commngt' cannot be read or is not a valid ZIP file	egovframework.dev.imp.commngt	
Archive for required library: 'lib/commons-io-1.3.2.jar' in project 'egovframework.hdev.imp.ide' cannot be read or is not a valid ZIP file	egovframework.hdev.imp.ide	
Archive for required library: 'lib/commons-io-1.3.2.jar' in project 'egovframework.mdev.imp.commngt' cannot be read or is not a valid ZIP file	egovframework.mdev.imp.commngt	
Archive for required library: 'lib/commons-lang-2.4.jar' in project 'egovframework.dev.imp.templates' cannot be read or is not a valid ZIP file	egovframework.dev.imp.templates	
Archive for required library: 'lib/ibatis-2.3.4.726.jar' in project 'net.java.amateras.db' cannot be read or is not a valid ZIP file	net.java.amateras.db	
Archive for required library: 'lib/dom4j-1.6.1.jar' in project 'net.java.amateras.xstream2' cannot be read or is not a valid ZIP file	net.java.amateras.xstream2	
Archive for required library: 'lib/fishplate-0.1.3.jar' in project 'net.java.amateras.db' cannot be read or is not a valid ZIP file	net.java.amateras.db	
Archive for required library: 'lib/ibatis-2.3.4.726.jar' in project 'egovframework.dev.imp.dbio' cannot be read or is not a valid ZIP file	egovframework.dev.imp.dbio	
Archive for required library: 'lib/java-diff-1.1.0.jar' in project 'egovframework.dev.imp.templates' cannot be read or is not a valid ZIP file	egovframework.dev.imp.templates	

3. 개발환경 빌드 환경구성

□ Update 수정

– 기존 feature → 4.0.0.qualifiter로 변경



4. 실행환경 빌드 환경구성

❑ JDK 설치

- 실행환경 4.0.0(최소사양 1.8)
- <https://adoptopenjdk.net/releases.html?variant=openjdk8&jvmVariant=hotspot>

❑ 개발자용 개발환경 설치

- <https://www.egovframe.go.kr/home/sub.do?menuNo=94>

❑ 소스 받기

- <https://github.com/eGovFramework/egovframe-runtime>

4. 실행환경 빌드 환경구성

❑ Cannot find the class file for org.hibernate.LockMode

```
public class HibernateIntegrationDefinitionDao extends HibernateDaoSupport implements IntegrationDefinitionDao {
    // CHECKSTYLE:OFF
    private static final Logger LOGGER = LoggerFactory.getLogger(HibernateIntegrationDefinitionDao.class);

    public IntegrationDefinition getIntegrationDefinition(String id) {
        LOGGER.debug("get IntegrationDefinition (id = '{}\\')", id);

        IntegrationDefinition integrationDefinition = (IntegrationDefinition) getHibernateTemplate().get(IntegrationDefinition.class, id);
        // CHECKSTYLE:ON
        LOGGER.debug("get IntegrationDefinition (id = '{}\\') = {}", id, integrationDefinition);

        return integrationDefinition;
    }

    @SuppressWarnings("unchecked")
    // ...
}

package org.egovframe.rte.itl.webservice.data.dao.hibernate;

import org.egovframe.rte.itl.integration.metadata.ServiceDefinition;

/**
 * WebServiceClientDefinitionDao를 hibernate를 이용하여 구현한 DAO 클래스
 * <p>
 * <b>NOTE:</b> WebServiceClientDefinitionDao를 hibernate를 이용하여 구현한 DAO class이다. </p>
 *
 * @author 실행환경 개발팀 심상호
 * @since 2009.06.01
 * @version 1.0
 * <pre>
 * 변경이력(Modification Information)
 *
 * 수정일      수정자      수정내용
 * -----
 * 2009.06.01  심상호      최초 생성
 * </pre>
 */
public class HibernateWebServiceClientDefinitionDao extends HibernateDaoSupport implements WebServiceClientDefinitionDao {
    private static final Logger LOGGER = LoggerFactory.getLogger(HibernateWebServiceClientDefinitionDao.class);

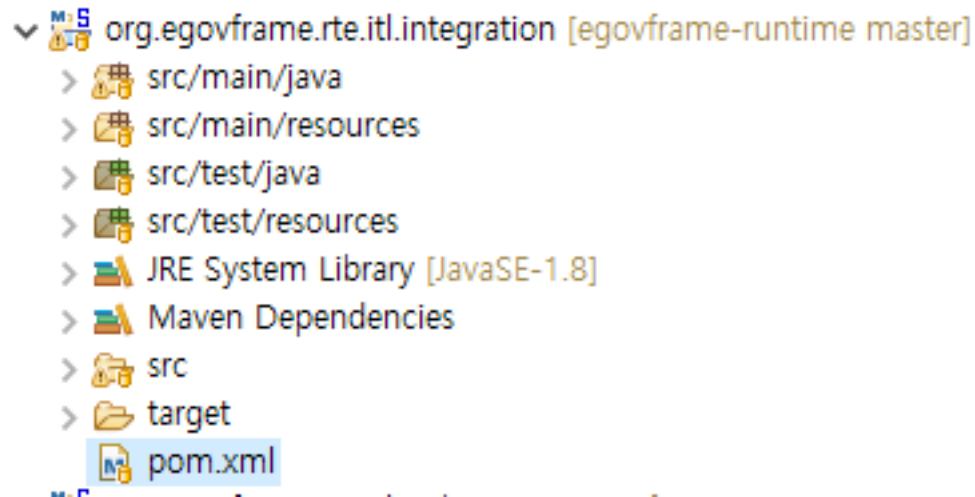
    public WebServiceClientDefinition getWebServiceClientDefinition(ServiceDefinition serviceDefinition) {
        LOGGER.debug("get WebServiceClientDefinition(serviceDefinition = {})", serviceDefinition);
        WebServiceClientDefinition webServiceClientDefinition = getWebServiceClientDefinition(serviceDefinition.getKey());
        LOGGER.debug("get WebServiceClientDefinition(serviceDefinition = {}) = {}", serviceDefinition, webServiceClientDefinition);
        return webServiceClientDefinition;
    }

    public WebServiceClientDefinition getWebServiceClientDefinition(String key) {
        LOGGER.debug("get WebServiceClientDefinition(key = '{}\\')", key);
        WebServiceClientDefinition webServiceClientDefinition = (WebServiceClientDefinition) getHibernateTemplate().get(WebServiceClientDefinition.class, key);
        LOGGER.debug("get WebServiceClientDefinition(key = '{}\\') = {}", key, webServiceClientDefinition);
        return webServiceClientDefinition;
    }
}
```

4. 실행환경 빌드 환경구성

❑ Cannot find the class file for org.hibernate.LockMode

- Integration 프로젝트에 pom.xml



- Lib 추가

```
<dependency>
  <groupId>org.hibernate</groupId>
  <artifactId>hibernate-core</artifactId>
  <version>4.1.12.Final</version>
</dependency>
```

```
52      <artifactId>javax.annotation-api</artifactId>
53      <version>1.3.2</version>
54    </dependency>
55    <dependency>
56      <groupId>org.hibernate</groupId>
57      <artifactId>hibernate-core</artifactId>
58      <version>4.1.12.Final</version>
59    </dependency>
60
61    <!-- For Testing -->
62    <dependency>
```

5. 공통컴포넌트 빌드 환경구성

❑ JDK 설치

- 개발환경 4.0.0(최소사양 1.11)
- 실행환경 4.0.0(최소사양 1.8)
- <https://adoptopenjdk.net/releases.html?variant=openjdk8&jvmVariant=hotspot>
- <https://adoptopenjdk.net/releases.html?variant=openjdk11&jvmVariant=hotspot>

❑ 개발자용 개발환경 설치

- <https://www.egovframe.go.kr/home/sub.do?menuNo=94>

❑ 소스 받기

- <https://github.com/eGovFramework/egovframe-common-components>

❑ Tomcat 설치

- <https://tomcat.apache.org/download-80.cgi#8.5.66>

❑ DataBase 설치

- <https://mariadb.org/download/>
- 7종(alibase, cubrid, maria, mysql, oracle, postgres, Tibero) DB 설치 스크립트

5. 공통컴포넌트 빌드 환경구성

❑ DataBase 설정

- 계정 생성, 권한 부여

```
CREATE USER 'com'@'%' IDENTIFIED BY 'com01';  
GRANT ALL PRIVILEGES ON *.* TO 'com'@'%' WITH GRANT OPTION;  
FLUSH PRIVILEGES;
```

- 신규 계정(com)으로 접속

- Databae 생성

```
CREATE DATABASE com;
```

- DDL 생성

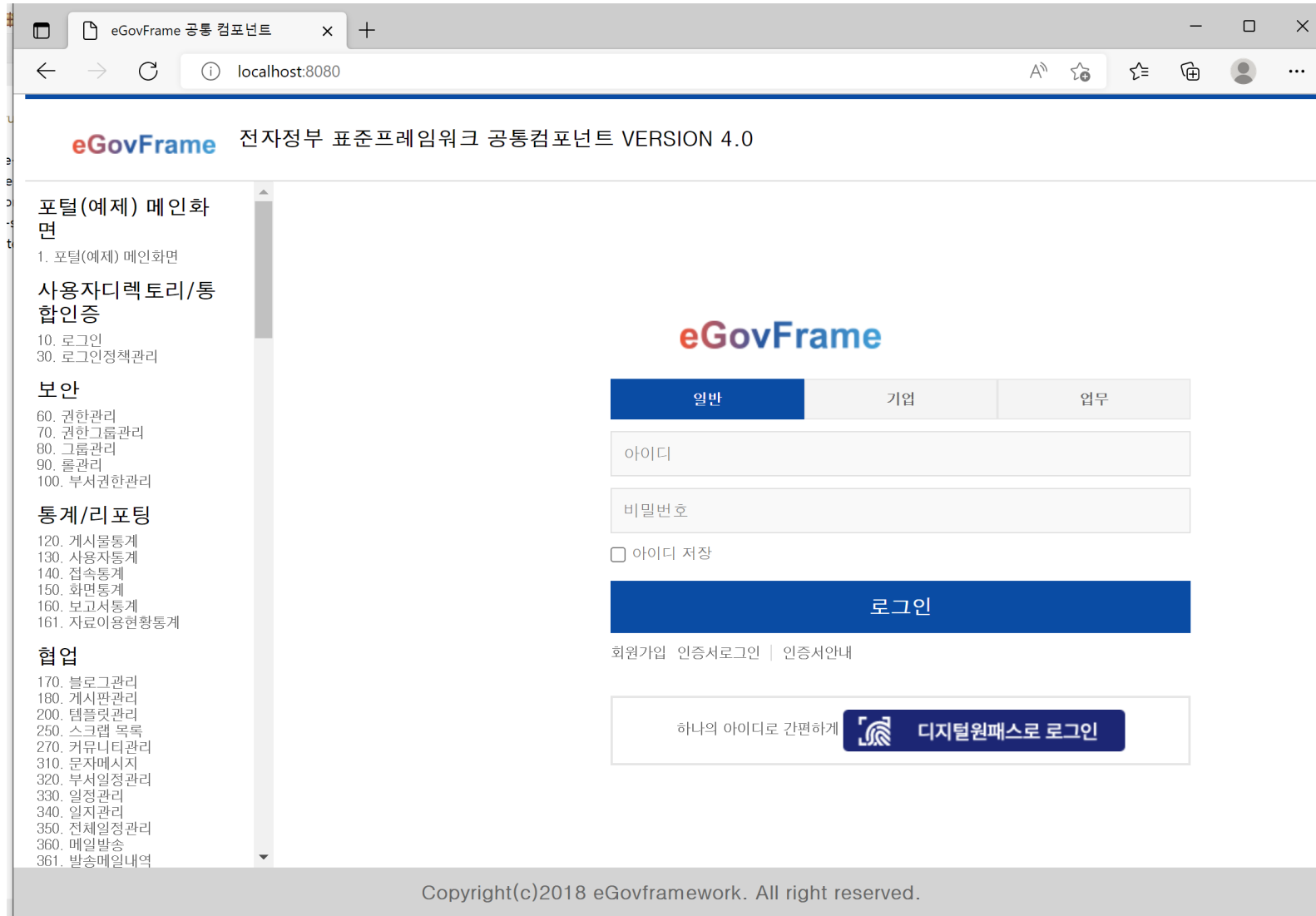
```
/egovframe-common-components/script/ddl/maria/com_DDL_maria.sql
```

- DML 생성

```
/egovframe-common-components/script/dml/maria/com_DML_maria.sql
```

5. 공통컴포넌트 빌드 환경구성

❑ 서버 생성 / 배포 / 실행



6. 템플릿 빌드 환경구성

❑ JDK 설치

- <https://adoptopenjdk.net/releases.html?variant=openjdk8&jvmVariant=hotspot>

❑ 개발자용 개발환경 설치

- <https://www.egovframe.go.kr/home/sub.do?menuNo=94>

❑ 소스 받기

- <https://github.com/eGovFramework/egovframe-simple-homepage-template>
- <https://github.com/eGovFramework/egovframe-enterprise-business-template>
- <https://github.com/eGovFramework/egovframe-portal-site-template>
- <https://github.com/eGovFramework/egovframe-template-simple-backend>
- <https://github.com/eGovFramework/egovframe-template-simple-react.git>

❑ Node 설치

- <https://nodejs.org/en/download/>

❑ Tomcat 설치

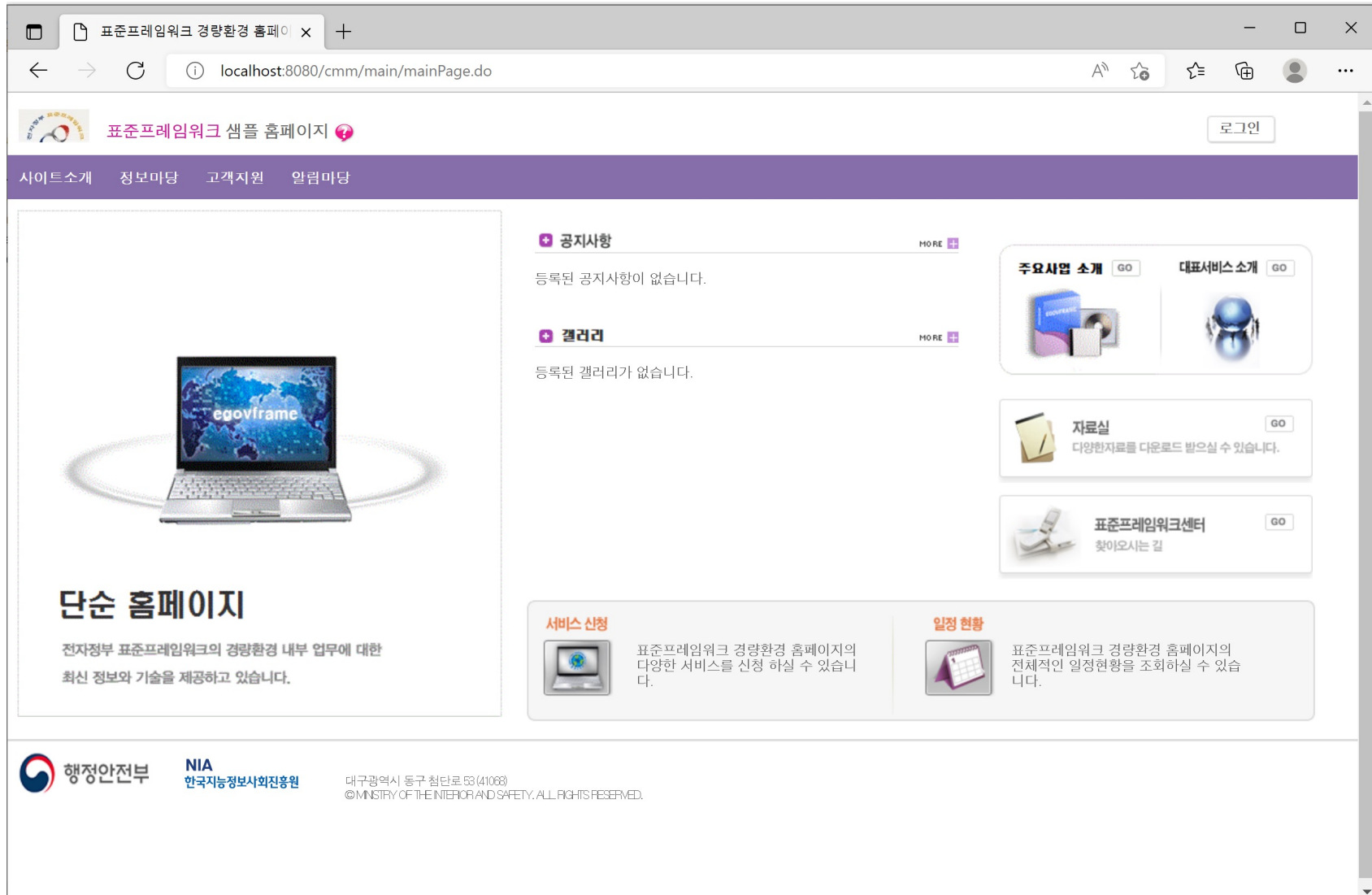
- <https://tomcat.apache.org/download-80.cgi#8.5.66>

❑ DataBase 설치

- <https://mariadb.org/download/>
- 5종(alibase, cubrid, mysql, oracle, Tiberio) DB 설치 스크립트

6. 템플릿 빌드 환경구성 - sht

□ 서버 생성 / 배포 / 실행



6. 템플릿 빌드 환경구성 - pst

❑ DataBase 설정

- 계정 생성, 권한 부여

```
CREATE USER 'pst'@'%' IDENTIFIED BY 'pst01';  
GRANT ALL PRIVILEGES ON *.* TO 'pst'@'%' WITH GRANT OPTION;  
FLUSH PRIVILEGES;
```

- 신규 계정(pst)으로 접속

- Databae 생성

```
CREATE DATABASE pst;
```

- DDL 생성

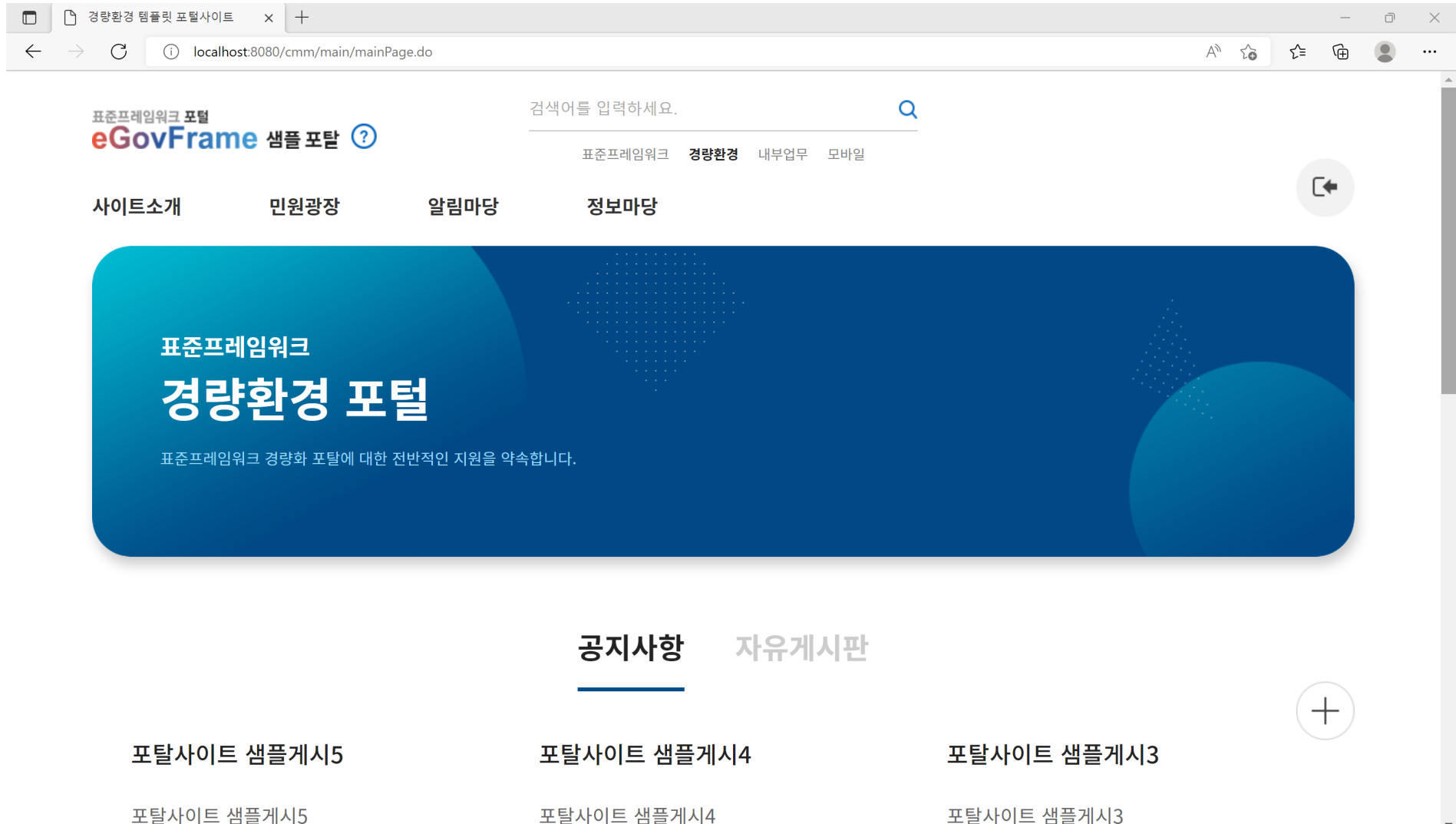
```
/egovframe-portal-site-template/DATABASE/mysql/all_pst_ddl_mysql.sql
```

- DML 생성

```
/egovframe-portal-site-template/DATABASE/mysql/all_pst_data_mysql.sql
```

6. 템플릿 빌드 환경구성 - pst

□ 서버 생성 / 배포 / 실행



6. 템플릿 빌드 환경구성 - ebt

❑ DataBase 설정

- 계정 생성, 권한 부여

```
CREATE USER 'ebt'@'%' IDENTIFIED BY 'ebt01';  
GRANT ALL PRIVILEGES ON *.* TO 'ebt'@'%' WITH GRANT OPTION;  
FLUSH PRIVILEGES;
```

- 신규 계정(ebt)으로 접속

- Databae 생성

```
CREATE DATABASE ebt;
```

- DDL 생성

```
/egovframe-portal-site-template/DATABASE/mysql/all_pst_ddl_mysql.sql
```

- DML 생성

```
/egovframe-portal-site-template/DATABASE/mysql/all_pst_data_mysql.sql
```

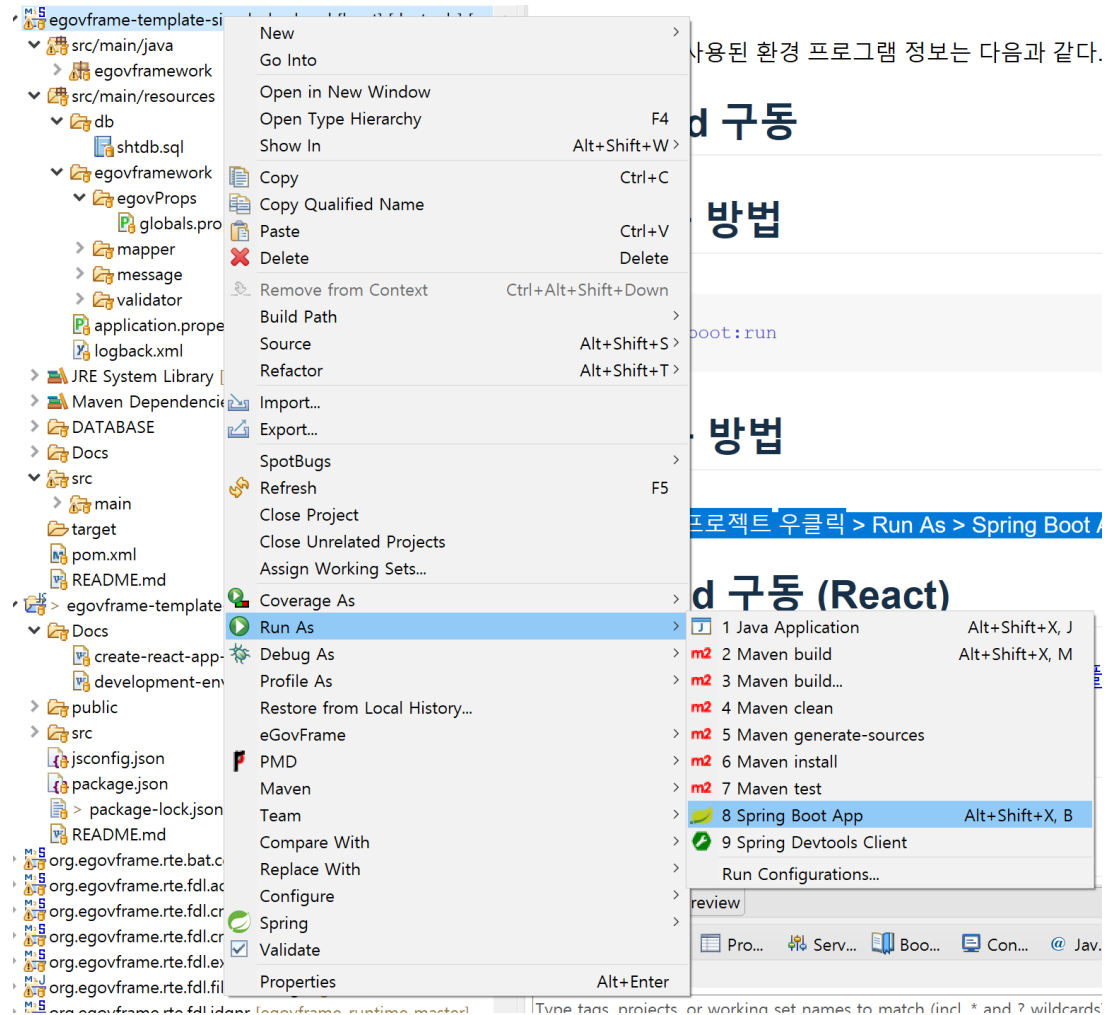
6. 템플릿 빌드 환경구성 – template-simple

❑ egovframe-template-simple-react

- egovframe-template-simple-react 디렉토리 이동
- Node modules 설치
 - npm install
- 프로젝트 실행
 - npm start

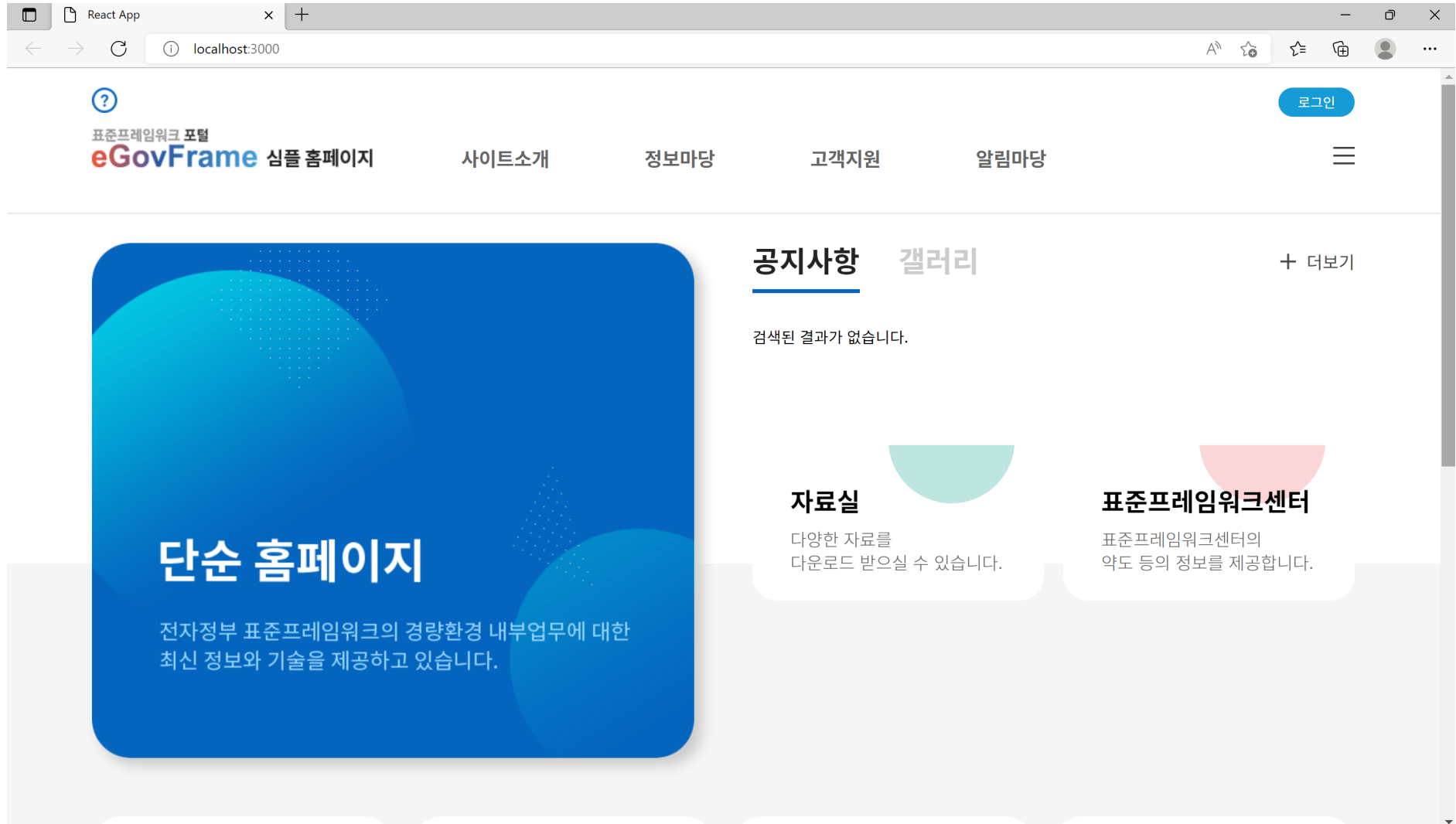
❑ egovframe-template-simple-backend

- 구동방법
 - 개발환경에서 프로젝트
우클릭 > Run As > Spring Boot App



6. 템플릿 빌드 환경구성 – template-simple

❑ 서버 생성 / 배포 / 실행



7. 컨트리뷰션

❑ 템플릿 게시판 오류 수정

프레임워크
경량환경 홈페이지
egovframe

사이트관리

- 일정관리
- 게시판템플릿관리
- 게시판생성관리
- 게시판사용관리
- 공지사항관리
- 사이트갤러리관리

HOME > 알림

게시글쓰기

☐ 차단된 쿠키가 있음
 ☐ 차단된 요청
 ☐ 타사 요청

50 밀리초 100 밀리초 150 밀리초 200 밀리초 250 밀리초

이름	상태	유형	초기자	크기	시간	처리자:	폭포
addBoardArticle.do?bbsId=BBSMSTR_...	200	document	기타	13.7 kB	189 밀리초		
common.css	200	stylesheet	addBoardArticle.d...	0 B	0 밀리초	(memory ...	
egovbbsTemplate.css	404	stylesheet	addBoardArticle.d...	162 B	100 밀리초		
EgovBBSMng.js	200	script	addBoardArticle.d...	0 B	1 밀리초	(memory ...	
EgovMultiFile.js	200	script	addBoardArticle.d...	0 B	1 밀리초	(memory ...	
EgovCalPopup.js	200	script	addBoardArticle.d...	0 B	1 밀리초	(memory ...	
validator.do	200	script	addBoardArticle.d...	43.9 kB	89 밀리초		
logo.jpg	200	jpeg	addBoardArticle.d...	0 B	3 밀리초	(memory ...	
question.jpg	200	jpeg	addBoardArticle.d...	0 B	1 밀리초	(memory ...	
required.gif	200	gif	addBoardArticle.d...	0 B	0 밀리초	(memory ...	
img_mois.png	200	png	addBoardArticle.d...	0 B	0 밀리초	(memory ...	
img_nia_2020.png	200	png	addBoardArticle.d...	0 B	1 밀리초	(memory ...	
showModalDialog.js	200	script	EgovCalPopup.js:55	0 B	18 밀리초	(disk cac...	

❑ 게시판 템플릿 참고

- <https://www.egovframe.go.kr/wiki/doku.php?id=egovframework:com:v3.8:cop:%EA%B2%8C%EC%8B%9C%ED%8C%90%ED%85%9C%ED%94%8C%EB%A6%BF>

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