

User Support - Facebook Link

Outline

Facebook Link provides basic functions that allows user to view facebook wall, album, and profiles. 1

Description

- **Facebook Link** includes access to facebook wall, album, and profile.

- ① SignIn: Perform link to connect to facebook.
- ② Feed: Read and load facebook wall posts.
- ③ Albums: Read and load photos on Facebook album
- ④ Profile: Read and load user's Facebook profile.
- ⑤ Sign Out: Disconnect link to Facebook.

Sources

Type	Title	Remark
Controll	egovframework.com.uss.ion.fbk.web.EgovFacebookController.java	Controller class for Facebook link
Controll	egovframework.com.uss.ion.fbk.web.FacebookSimpleSignInAdapter.java	Login class for facebook link
Controll	egovframework.com.uss.ion.fbk.web.FacebookUserCookieGenerator.java	Cookie management class for facebook link
Controll	egovframework.com.uss.ion.fbk.web.FacebookUserInterceptor.java	Interceptor class for connection check to Facebook Link
Service	egovframework.com.uss.ion.fbk.service.EgovFacebookConfig.java	JavaConfig for facebook link
Service	egovframework.com.uss.ion.fbk.service.FacebookSecurityContext.java	Service interface for individual annual leave management.
ServiceI	egovframework.com.uss.ion.fbk.service.impl.EgovSimpleConnectionSignUp.java	Service implementation class for individual annual leave management.
VO	egovframework.com.uss.ion.fbk.service.FacebookUser.java	Facebook userVO class
JSP	WEB-INF/jsp/egovframework/com/uss/ion/fbk/EgovFacbookAlbum.jsp	Page that displays album selected in Facebook
JSP	WEB-INF/jsp/egovframework/com/uss/ion/fbk/EgovFac	Page that displays the list of albums on Facebo

	ebookAlbums.jsp	ok
JSP	WEB-INF/jsp/egovframework/com/uss/ion/fbk/EgovFac ebookFeed.jsp	Page that displays and enables facebook wall posts.
JSP	WEB-INF/jsp/egovframework/com/uss/ion/fbk/EgovFac ebookHome.jsp	Link page for Facebook Link
JSP	WEB-INF/jsp/egovframework/com/uss/ion/fbk/EgovFac ebookProfile.jsp	Page that shows Facebook profile
JSP	WEB-INF/jsp/egovframework/com/uss/ion/fbk/EgovFac ebookSignin.jsp	Page for Facebook Link

Tables

Title	Title(English)	Remark
Facebook Link information management	UserConnection Manages Facebook Link information	

* Created as an Embedded-database, as H2, incontext-social.xml

Related Configurations

Registration of Facebook Developer Site

Register on <https://developers.facebook.com/> to get appId and appSecret

The screenshot shows the 'Basic' tab of the Facebook App Settings. On the left sidebar, 'Settings' is selected. The main area contains the following fields:

Setting	Value
App ID	1480145475590870
App Secret	***** (redacted)
Display Name	egovtest
Namespace	(empty)
App Domains	(empty)
Contact Email	egovtest2013@gmail.com
Website	http://localhost/
Mobile Site URL	(empty)
+ Add Platform	(button)

At the bottom are 'Delete App' (red button), 'Discard', and 'Save Changes' buttons.

globals.properties Configuration

Social(Used for Facebook, Oauth component utilization)

facebook.appId =

facebook.appSecret =

Maven Configuration

<!—add for facebook linking -->

```
<dependency>
    <groupId>org.springframework.social</groupId>
    <artifactId>spring-social-security</artifactId>
    <version>1.1.0.RELEASE</version>
    <exclusions>
        <exclusion>
            <artifactId>spring-security-web</artifactId>
            <groupId>org.springframework.security</groupId>
        </exclusion>
    </exclusions>
</dependency>
<dependency>
    <groupId>org.apache.httpcomponents</groupId>
    <artifactId>httpclient</artifactId>
    <version>4.3.4</version>
    <exclusions>
        <exclusion>
            <artifactId>commons-logging</artifactId>
```

```

        <groupId>commons-logging</groupId>
    </exclusion>
</exclusions>
</dependency>
<dependency>
    <groupId>com.h2database</groupId>
    <artifactId>h2</artifactId>
    <version>1.4.180</version>
</dependency>
context-social.xml Configuration

<beanid="jdbcTemplate" class="org.springframework.jdbc.core.JdbcTemplate" c:_-
ref="social.dataSource"/>

<jdbc:embedded-databaseid="social.dataSource" type="H2">
<jdbc:scriptlocation="classpath:/social.sql"/>
</jdbc:embedded-database>
egov-com-social.xml Configuration

<mvc:resourcesmapping="/css/**"location="/css//"/>
<mvc:resourcesmapping="/html/**"location="/html//"/>
<mvc:resourcesmapping="/images/**"location="/images//"/>
<mvc:resourcesmapping="/js/**"location="/js//"/>
<mvc:default-servlet-handler/>

<!--facebook 연동시 -->
<beanclass="org.springframework.social.connect.web.ProviderSignInController">
    <constructor-argref="connectionFactoryLocator"/>
    <constructor-argref="usersConnectionRepository"/>
    <constructor-arg>

        <beanclass="egovframework.com.uss.ion.fbk.web.FacebookSimpleSignInAdapter"/>
        </constructor-arg>
        <propertyname="signInUrl" value="/uss/ion/fbk/facebookSignin.do"/>
        <propertyname="postSignInUrl" value="/uss/ion/fbk/facebook.do"/>
    </bean>
</bean>

<mvc:interceptors>
    <mvc:interceptor>
        <mvc:mappingpath="/uss/ion/fbk/*.do"/>
        <beanclass="egovframework.com.uss.ion.fbk.web.FacebookUserInterceptor">
            <constructor-argref="usersConnectionRepository"/>
        </bean>
    </mvc:interceptor>
</mvc:interceptors>

<mvc:view-controllerpath="/uss/ion/fbk/facebook.do"view-
name="egovframework/com/uss/ion/fbk/EgovFacebookHome"/>
<mvc:view-controllerpath="/uss/ion/fbk/facebookSignin.do"view-
name="egovframework/com/uss/ion/fbk/EgovFacebookSignin"/>
<mvc:view-controllerpath="/uss/ion/fbk/facebookSignout.do"view-
name="egovframework/com/uss/ion/fbk/EgovFacebookHome"/>

```

web.xml Configuration

```
<!--OAuth and facebook linking-->
<filter>
    <filter-name>hiddenHttpMethodFilter</filter-name>
    <filter-class>org.springframework.web.filter.HiddenHttpMethodFilter</filter-class>
</filter>
<filter-mapping>
    <filter-name>hiddenHttpMethodFilter</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>

<servlet-mapping>
    <servlet-name>action</servlet-name>
    <!--<url-pattern>*.do</url-pattern> -->
    <!—when using OAuth / change -->
    <url-pattern>/</url-pattern>
</servlet-mapping>
```

Related Screen and Implementation Manual

Facebook Login

Action	URL	Controller method
Login	/uss/ion/fbk/facebookSignin.do	None(substitute mvc:view-controller)

 Sign in with Facebook

Login : Login to use Facebook.

Facebook List

Action	URL	Controller method
List	/uss/ion/fbk/facebook.do	home

-  Feed
-  Albums
-  Profile
-  Sign Out

Feed : View and write on facebook wall.

Albums : View facebook album

Profile : View facebook profile

Sign Out : Delete Facebook login information

Facebook feed

Action	URL	Controller method
--------	-----	-------------------

Inquiry: /uss/ion/fbk/feed.do showFeed

Register /uss/ion/fbk/feed.do postUpdate

Methods are categorized according to RequestMethod

Your Facebook Feed

Post to your Facebook wall:



- 테스트 -
- 담벼락 테스트 -
- test -

post: Upload written text

Facebook album

Action	URL	Controller method
Inquiry:	/uss/ion/fbk/albums.do	showAlbums

In-depth Reference /uss/ion/fbk/album/{albumId} showAlbum

Facebook profile

Action	URL	Controller method
--------	-----	-------------------

Inquiry: /uss/ion/fbk/profile.do profile

Facebook sign out

Action	URL	Controller method
Logout	/uss/ion/fbk/profile.do	None(substitute mvc:view-controller)