Cooperation -Scrap

Summary

This service provides the function of inquiring specific posts in various boards which the user chose and registered.
This function is operated based on the board management function. When the additional options are activated in creating the board, reply management, satisfaction study and scrap function can be also used.
By clicking the scrap button on the bottom of each post, it will move to the scrap registration page and the scrap board is registered when the title of the scrap is typed in.
In registering replies, the compulsory items are tested by the validator rule which is applied by pre-define validator-rules.kl and validator.xml.

The board utilization function service is a mobile common component developed based on HTML5, jQuery and jQM (jQuery mobile).
For more details, please refer to mobile operation environment guide at http://www.egovframe.go.kr/html/egovframework/mbl/mguide/mguide.html.
For the component related css, the basic EgovMobile.css, egovBoard.css, and ussCommon.css are used.

Subject of Support

The development and tests of this component was completed on the browsers for the mobile devices. Caution may be taken in developing and applying since the support for PC and mobile browsers may vary.

The subject devices include mobile devices such as GalaxyS2, GalaxyS, GalaxyTab, iPad2 and iPhone4. The mobile browsers used are basic browser for Android, Firefox, Safari, and Opera Mobile was used.

Android

For the test device, GalaxyS, GalaxyS2 and GalaxyTab are used.
For the browser, the Android's basic browsers, Firefox (6.xx) and Opera Mobile were used.

- Android OS 2.3 (GengerBread): Supported the operation of HTML5, CSS3 and the component stably
- Android OS 2.1 (Eclair) and 2.2 (Froyo): The realization of UI was not successful due to lack of HTML5, CSS3 resources.

However, for Opera Mobile, there was partial problem in processing colors or events. It was excluded from the subject of support.

iOS

The iPhone4 and iPad2 are used as the test device.

- iOS 4.2, 4.3:Both versions supported the HTML5 and CSS3 relatively successfully.
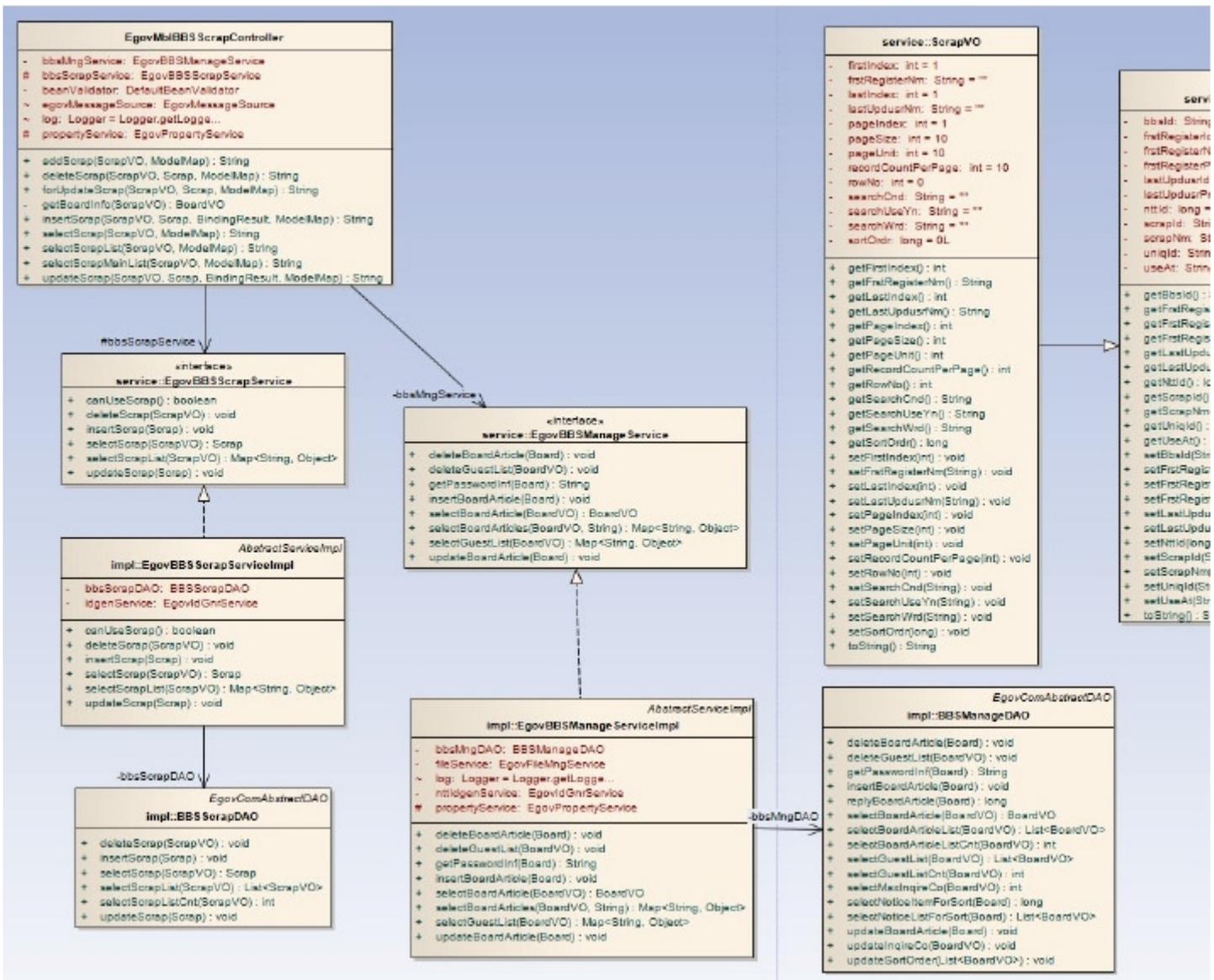
Function Flow

Description

The scrap function is composed of scrap register, list inquiry, detailed inquiry and update functions.
By adding the option in the scrap environment, the scrap function can be used in the general board, anonymous board, effective board and notice board.

Class Diagram

Related Source

Type	Source	Remarks
C ontroller	egovframework.com.cop.bbs.web.EgovBBSScrapC ontroller.java	Controller class for the scrap function
C ontroller	egovframework.mbl.com.cop.bbs.web.EgovMblBBSScrapC ontroller.java	Controller class for mobile the scrap function
Service	egovframework.com.cop.bbs.service.EgovBBSScrapService.java	Service interface for the scrap function
ServiceImpl	egovframework.com.cop.bbs.service.impl.EgovBBSScrapServiceImpl.java	Service realization class for the scrap function
VO	egovframework.com.cop.bbs.service.Scrap.java	Model class for the scrap function
VO	egovframework.com.cop.bbs.service.ScrapVO.java	VOclass for the scrap function
DAO	egovframework.com.cop.bbs.service.impl.BBSScrapDAO.java	Data processing class for the scrap function
JSP	/WEB-INF/jsp/egovframework/com/cop/bbs/EgovScrapList.jsp	List inquiry jsp page for the scrap function
JSP	/WEB-INF/jsp/egovframework/com/cop/bbs/EgovScrapRegist.jsp	Registration jsp page for the scrap function
JSP	/WEB-INF/jsp/egovframework/com/cop/bbs/EgovScrapDetail.jsp	Detailed inquiry jsp page for the scrap function
JSP	/WEB-INF/jsp/egovframework/com/cop/bbs/EgovScrapUpdt.jsp	Revision jsp page for the scrap function
JSP	/WEB-INF/jsp/egovframework/com/cop/bbs/EgovScrapMainList.jsp	My page jsp page for the scrap function
JSP	/WEB-INF/jsp/egovframework/mbl/com/cop/bbs/EgovScrapList.jsp	List inquiry mobile jsp page for the scrap function
JSP	/WEB-INF/jsp/egovframework/mbl/com/cop/bbs/EgovScrapRegist.jsp	Registration mobile jsp page for the scrap function
JSP	/WEB-INF/jsp/egovframework/mbl/com/cop/bbs/EgovScrapDetail.jsp	Detailed inquiry mobile jsp page for the scrap function
JSP	/WEB-INF/jsp/egovframework/mbl/com/cop/bbs/EgovScrapUpdt.jsp	Revision mobile jsp page for the scrap function
Query XML	resources/egovframework/sqlmap/com/cop/bbs/EgovBBSScrap_SQL.xml	Queryfor the scrap function

Related Table

Name	Name (English)	Remarks
Scrap	C OMTNSC RAP	Manages scrap information

Environmental settings

In order to use the reply management, satisfaction study and scrap function, additional properties should be setup in globals.properties file.
For more details on globals.properties, refer to element technology properties and command shell script.

Related setup

Add Globals.addedOptions

```
...
# 2 stage board addition function (reply, satisfaction study and scrap)
Globals.addedOptions = true...
```

The operation is setup to be normal in without the setup above.

When the above setup is added, the additional options for choosing reply and satisfaction study in creating or revising the board management will appear (utilize existing web-based common component)

- Creation of tables and fields used in ID Generation Service

- To use the ID Generation Service, BBS_ID should be added to the sequence storage table, COMTECOPSEQ.When the table is already created, it only executes the added context.

```
CREATE TABLE COMTECOPSEQ ( table_namevarchar(16) NOT NULL,
                next_id DECIMAL(30) NOT NULL,
                PRIMARY KEY (table_name));
INSERT INTO COMTECOPSEQ VALUES('SCRAP_ID','0');
```

- For ID Generation Service, add the setup below to the context-idgen.xml(example).

```
<bean name="egovScrapIdGnrService"
        class="egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService"
        destroy-method="destroy">
        <property name="dataSource" ref="dataSource" />
        <property name="strategy" ref="scrapStrategy" />
        <property name="blockSize"          value="10"/>
        <property name="table"              value="COMTECOPSEQ"/>
        <property name="tableName"          value="SCRAP_ID"/>
</bean>
<bean name="scrapStrategy"
        class="egovframework.rte.fdl.idgnr.impl.strategy.EgovIdGnrStrategyImpl">
        <property name="prefix" value="SCRIP_" />
        <property name="cipers" value="14" />
        <property name="fillChar" value="0" />
</bean>
```

Manual

Scrap registration

Business rule

Register scrap on the post that the user chooses

Related codes

N/A

Screen and execution manual

Function	URL	Controller	method	Screen (JSP)
Register	/mbl/com/cop/bbs/insertScrap.mdo	EgovMblBBSScrapController	insertScrap	.../mbl/com/cop/bbs/EgovScrapRegist.jsp

To register the scrap, the scrap button in provided in detailed inquiry screen on the general board, anonymous board, effective board and notice board.

Scrap: Move to the scrap register screen to register the scrap

Move to the scrap registration screen by choosing the scrap button from the post.

Move to the scrap registration screen by choosing the scrap button in the post.

When the registration is successful, move to the scrap list inquiry screen.

Back: move to the detailed inquiry screen
Register: input information is stored.

Scrap list inquiry

Business rule

The scrap list inquiry screen provides the list on the scraps that the user registered.

Related codes

N/A

Screen and execution manual

Function	URL	Controller	method	Screen (JSP)
List inquiry	/mbl/com/cop/bbs/selectScrapList.mdo	EgovMblBBSScrapController	selectScrapList	.../mbl/com/cop/bbs/EgovScrapList.jsp

The board list is inquired by 10 posts per page and the paging consists of one page.
To change the range of search per page, change the pageUnit, pageSize in thecontext-properties.xml file. (This setup will impact the function of overall common service.)

Home:move to home.
Search: to inquire posts, choose the search condition on top, put the text and click on the inquire button.
Click the List: to read the post, click on the title to move to the detailed post inquiry which shows detailed screen

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Detailed scrap inquiry

Business rule

It is the screen displayed by clicking the list on the scrap list inquiry screen which displays detailed information on the scrap.

The scrap can be revised by moving to the scrap revision screen by clicking the update button, and deleted by clicking the delete button.

Related code

N/A

Screen and execution manual

Detailed scrap inquiry screen provides the overall information on the post as well as the information (title) of the scrap.

When the information on the post is changed, the content on the detailed scrap inquiry screen is also changed.

Function	URL	Controller	method	Scrreen (JSP)
Detailed	/mbl/com/cop/bbs/selectScrap.mdo	EgovMblBBSScrapController	selectScrap	.../mbl/com/cop/bbs/EgovScrapDetail.jsp

Back:	Post scrap inquiry	Move to screen
Update:	Update button	Move to revision screen
Delete:	Delete button	Show the message to confirm deletion and delete the post. It will move to the list screen after deleting.
List:	Scrap inquiry	Move to screen

Scrap Revision

Business rule

Update the registered scraps

Related codes

N/A

Screen and execution manual

Revision of scrap only provides the revision on the information (title) of the scrap.

Function	URL	Controller	method	Screen (JSP)
Update	/mbl/com/cop/bbs/updateScrap.mdo	EgovMblBBSScrapController	updateScrap	.../mbl/com/cop/bbs/EgovScrapUpdt.jsp

Back:Move to the detailed list inquiry screen
Update:Revised information is stored.
List:Move to the list inquiry screen

Settings and Notes

 * HTML5 and CSS3 are applied on the mobile common component currently distributed. It does not correspond to the validation test of the mobile websites of Mobile OK and W3C. Contact specialized institutions for more information on the validation test.

* Validation test on currently distributed mobile common component is now in progress. We will try our best to complete the validation test as soon as possible and realize new version with the security patch.

Reference

- Refer to the scrap function (existing web version):Scrap function
- Distribution and testing: Mobile Common Component Systemand distribution package composition