Scrap Management

Summary

Provide the function to collect and inquire the specific post among the posts registered in the board. Scrap function is operated based on **Manage Board Creation** function.

- Function Flow

Description

To use additional options, existing board creation and management function as well as update of the function to use the board should be preceded.

Package Dependency

Scrap management package has direct functional dependency to the common package (cmm) of element technology only. However, it forms the deployment file together with format/calculation/conversion, common function(com) of cooperation, design template, system(sim) and calendar package according to dependency between packages so as to be executed without error during component deployment.

- Package Dependency: Board, Community, Society Package Dependency

Related Source

Type	Source	Remarks
Controller	egovframework.com.cop.scp.web.EgovBBSScrapController.java	Controller class for scrap function
Service	egovframework.com.cop.scp.service.EgovBBSScrapService.java	Service interface for scrap function
ServiceImpl	egovframework.com.cop.scp.service.impl.EgovBBSScrapServiceImpl.java	Service implementation class for scrap function
VO	egovframework.com.cop.bbs.service.Scrap.java	Model class

		for scrap function
VO	egovframework.com.cop.bbs.service.ScrapVO.java	Vo class for scrap function
DAO	egovframework.com.cop.scp.service.impl.BBSScrapDAO.java	Data processing class for scrap function
JSP	/WEB-INF/jsp/egovframework/com/cop/scp/EgovScrapList.jsp	jsp page for list inquiry of scrap function
JSP	/WEB-INF/jsp/egovframework/com/cop/scp/EgovScrapRegist.jsp	jsp page for scrap function registration
JSP	/WEB-INF/jsp/egovframework/com/cop/scp/EgovScrapDetail.jsp	jsp page for scrap function detail inquiry
JSP	/WEB-INF/jsp/egovframework/com/cop/scp/EgovScrapUpdt.jsp	jsp page for scrap function update
JSP	/WEB-INF/jsp/egovframework/com/cop/scp/EgovScrapMainList.jsp	jsp page for my page scrap function
Query XML	resources/egovframework/sqlmap/com/cop/scp/EgovBBSScrap_SQL_Mysql.xml	MySQL based Query XML file for scrap function
Query XML	resources/egovframework/sqlmap/com/cop/scp/EgovBBSScrap_SQL_Oracle.xml	Oracle based Query XML file for scrap function
Query XML	resources/egovframework/sqlmap/com/cop/scp/EgovBBSScrap_SQL_Tibero.xml	Tibero based Query XML file for scrap function
Query XML	resources/egovframework/sqlmap/com/cop/scp/EgovBBSScrap_SQL_Altibase.xml	Altibase based Query XML filefor scrap function
Validator Rule XML	resources/egovframework/validator/validator-rules.xml	XML defining Validator Rule
Message properties	resources/egovframework/message/com/message-common_ko_KR.properties	Message properties for scrap function
Idgen XML	resources/egovframework/spring/context-idgen.xml	Id generation Idgen XML for scrap function

Class Diagram

class CDD_스크랩기능

«Controller»
EgovBBSScrapController

- bbsMngService: EgovBBSManageService
- \# bbsScrapService: EgovBBSScrapService
- beanValidator: DefaultBeanValidator
- ~ egovMessageSource: EgovMessageSource
- ~ log: Logger = Logger.getLogge...
- \# propertyService: EgovPropertyService

- \+ addScrap(ScrapVO, ModelMap) : String
- \+ deleteScrap(ScrapVO, Scrap, ModelMap) : String
- \+ forUpdateScrap(ScrapVO, Scrap, ModelMap) : String
- \- getBoardInfo(ScrapVO) : BoardVO
- \+ insertScrap(ScrapVO, Scrap, BindingResult, ModelMap) : String
- \+ selectScrap(ScrapVO, ModelMap) : String
- \+ selectScrapList(ScrapVO, ModelMap) : String
- \+ selectScrapMainList(ScrapVO, ModelMap) : String
- \+ updateScrap(ScrapVO, Scrap, BindingResult, ModelMap) : String

#bbsScrapService

«Service»
EgovBBSScrapService

- \+ canUseScrap() : boolean
- \+ deleteScrap(ScrapVO) : void
- \+ insertScrap(Scrap) : void
- \+ selectScrap(ScrapVO) : Scrap
- \+ selectScrapList(ScrapVO) : Map<String, Object>
- \+ updateScrap(Scrap) : void

AbstractServiceImpl

«ServiceImpl»
EgovBBSScrapServiceImpl

- bbsScrapDAO: BBSScrapDAO
- idgenService: EgovIdGnrService

- \+ canUseScrap() : boolean
- \+ deleteScrap(ScrapVO) : void
- \+ insertScrap(Scrap) : void
- \+ selectScrap(ScrapVO) : Scrap
- \+ selectScrapList(ScrapVO) : Map<String, Object>
- \+ updateScrap(Scrap) : void

-bbsScrapDAO

EgovAbstractDAO

«Dao»
BBSScrapDAO

- \+ deleteScrap(ScrapVO) : void
- \+ insertScrap(Scrap) : void
- \+ selectScrap(ScrapVO) : Scrap
- \+ selectScrapList(ScrapVO) : List<ScrapVO>
- \+ selectScrapListCnt(ScrapVO) : int
- \+ updateScrap(Scrap) : void

Serializable

«model»
Scrap

- bbsId: String = ""
- frstRegisterId: String = ""
- frstRegisterNm: String = ""
- frstRegisterPnttm: String = ""
- lastUpdusrId: String = ""
- lastUpdusrPnttm: String = ""
- nttId: long = 0L
- scrapId: String = ""
- scrapNm: String = ""
- uniqId: String = ""
- useAt: String = ""

- \+ getBbsId() : String
- \+ getFrstRegisterId() : String
- \+ getFrstRegisterNm() : String
- \+ getFrstRegisterPnttm() : String
- \+ getLastUpdusrId() : String
- \+ getLastUpdusrPnttm() : String
- \+ getNttId() : long
- \+ getScrapId() : String
- \+ getScrapNm() : String
- \+ getUniqId() : String
- \+ getUseAt() : String
- \+ setBbsId(String) : void
- \+ setFrstRegisterId(String) : void
- \+ setFrstRegisterNm(String) : void
- \+ setFrstRegisterPnttm(String) : void
- \+ setLastUpdusrId(String) : void
- \+ setLastUpdusrPnttm(String) : void
- \+ setNttId(long) : void
- \+ setScrapId(String) : void
- \+ setScrapNm(String) : void
- \+ setUniqId(String) : void
- \+ setUseAt(String) : void
- \+ toString() : String

«Vo»
ScrapVO

- firstIndex: int = 1
- frstRegisterNm: String = ""
- lastIndex: int = 1
- lastUpdusrNm: String = ""
- pageIndex: int = 1
- pageSize: int = 10
- pageUnit: int = 10
- recordCountPerPage: int = 10
- rowNo: int = 0
- searchCnd: String = ""
- searchUseYn: String = ""
- searchWrd: String = ""
- sortOrdr: long = 0L

- \+ getFirstIndex() : int
- \+ getFrstRegisterNm() : String
- \+ getLastIndex() : int
- \+ getLastUpdusrNm() : String
- \+ getPageIndex() : int
- \+ getPageSize() : int
- \+ getPageUnit() : int
- \+ getRecordCountPerPage() : int
- \+ getRowNo() : int
- \+ getSearchCnd() : String
- \+ getSearchUseYn() : String
- \+ getSearchWrd() : String
- \+ getSortOrdr() : long
- \+ setFirstIndex(int) : void
- \+ setFrstRegisterNm(String) : void
- \+ setLastIndex(int) : void
- \+ setLastUpdusrNm(String) : void
- \+ setPageIndex(int) : void
- \+ setPageSize(int) : void
- \+ setPageUnit(int) : void
- \+ setRecordCountPerPage(int) : void
- \+ setRowNo(int) : void
- \+ setSearchCnd(String) : void
- \+ setSearchUseYn(String) : void
- \+ setSearchWrd(String) : void
- \+ setSortOrdr(long) : void
- \+ toString() : String

ID Generation

ID Generation Related DDL and DML

- To utilize ID Generation Service, **SCRAP_ID** is added to the Sequence storage table, COMTECOPSEQ.

```
CREATE TABLE COMTECOPSEQ ( table_name varchar(16) NOT NULL,
                next_id DECIMAL(30) NOT NULL,
                PRIMARY KEY (table_name));

INSERT INTO COMTECOPSEQ VALUES('SCRAP_ID','0');
```

ID Generation Configuration(context-idgen.xml)

```
<bean name="egovCnsltManageIdGnrService"
<bean name="egovScrapIdGnrService"
        class="egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService"
        destroy-method="destroy">
        <property name="dataSource" ref="egov.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>
```

Related Table

Table Name	Table Name(English)	Remarks
Scrap	COMTNSCRAP	Manage Scrap Information.

Related Function

Scrap management is composed of **scrap registration, scrap list inquiry, scrap detail inquiry and detail update function**.

Scrap Registration

Business Rule

Provide the function button to register the scrap for the post of the ordinary board, community and society board. When it is registered successfully, move to the scrap list inquiry screen.

Related Codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Registration Screen	/cop/scp/addScrap.do	addScrap	

Register	/cop/scp/insertScrap.do	insertScrap	"BBSScrapDAO.insertScrap"

Select the Scrap button on the post and it moves to Scrap Registration Screen as follows.

Register: save entered scrap information.
Cancel: initialize scrap information entered in the form.

Scrap List Inquiry

Business Rule

Scrap list screen provides the list for the scrap registered by the user currently.

Related Codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
List Inquiry	/cop/scp/selectScrapList.do	selectScrapList	"BBSScrapDAO.selectScrapList",
			"BBSScrapDAO.selectScrapListCnt"

Satisfaction list is inquired by 10 items per page. The paging consists of 10 pages. To change the scope of search per page, change pageUnit, pageSize of context-properties.xml file.(provided, however, that relevant setting affects the overall common service function.)

Inquiry: to inquire, select the search condition on the top, enter the corresponding search character and click the Inquiry button.
Click the List: move to **Scrap** detail inquiry screen.

Scrap Detail Inquiry

Business Rule

Scrap detail inquiry provides overall information on the relevant post as well as information (title) on scrap. If the information at post is changed, the contents displayed with scrap detail inquiry are also changed.

Related Codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Detail Inquiry	/cop/scp/selectScrap.do	selectScrap	"BBSScrapDAO.selectScrap"
Delete	/cop/scp/deleteScrap.do	deleteScrap	"BBSScrapDAO.deleteScrap"

Update: click the Update button to move to **Update Scrap** screen.
Delete: click the Delete button to show the message confirming the deletion and to perform deletion.
List: move to **Scrap List** screen.

Update Scrap

Business Rule

Update for scrap provides update for the scrap information (title).

Related Code

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Update Screen	/cop/scp/forUpdateScrap.do	forUpdateScrap	
Update	/cop/scp/updateScrap.do	updateScrap	"BBSScrapDAO.updateScrap"

Update: updated information is saved.
List: move to **Scrap List** screen.