Board Creation Management, Notice Management, Validity Board, Anonymity Board and Resource Room Management

Summary

Board creation management, notice management, validity board, anonymity board and resource room management component provides the function to create the boards such as notice, general board and manage property information.

Description

The location of creating board is largely divided into two places (system, society/community) and if the board is created at the system, the relevant board is registered at board use information (COMTNBBSUSE) table in the property of SYSTEM_DEFAULT_BOARD. The board registered like this will be the board that all users of system can use.

Package Dependency

Board package has direct functional dependency to the common package (cmm) and system package of element technology as well as format/calculation/conversion package. However, it forms the deployment file together with common function(com) of cooperation, design template and calendar package according to dependency between packages so as to be executed without error during component deployment.
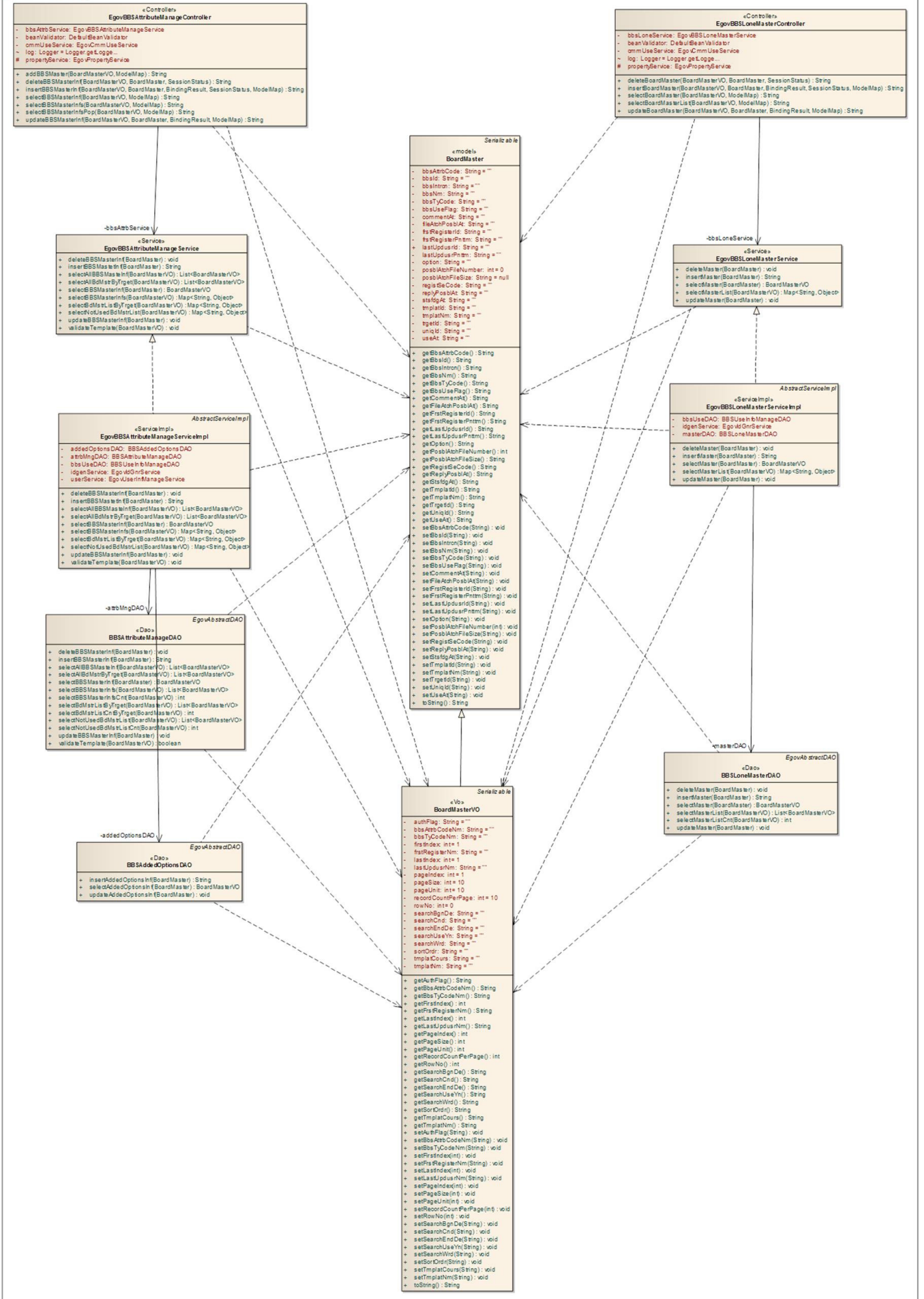
- Package Dependency: Board, Community, Society Package Dependency

Related Source

Type	Source	Remarks
Controller	egovframework.com.cop.bbs.EgovBBSAttributeManageController.java	Controller class for board management
Service	egovframework.com.cop.bbs.service.EgovBBSAttributeManageService.java	Service interface for board management
ServiceImpl	egovframework.com.cop.bbs.service.impl.EgovBBSAttributeManageServiceImpl.java	Service implementation class for board management
Model	egovframework.com.cop.bbs.service.BoardMaster.java	Model class for board management
Model	egovframework.com.cop.bbs.service.Board.java	Model class for board management
VO	egovframework.com.cop.bbs.service.BoardMasterVO.java	VO class for board management
VO	egovframework.com.cop.bbs.service.BoardVO.java	VO class for board management
DAO	egovframework.com.cop.bbs.service.impl.BBSAttributeManageDAO.java	Data processing class for board management
JSP	/WEB-INF/jsp/egovframework/com/cop/bbs/EgovBoardMstrRegist.jsp	jsp page for board creation
JSP	/WEB-INF/jsp/egovframework/com/cop/bbs/EgovBoardMstrUpdt.jsp	jsp page for update of created board
JSP	/WEB-INF/jsp/egovframework/com/cop/bbs/EgovBoardMstrList.jsp	jsp page for inquiry of created board
JSP	/WEB-INF/jsp/egovframework/com/cop/com/EgovTemplateInqirePopup.jsp	jsp page for inquiry of board template information

JSP	/WEB-INF/jsp/egovframework/com/cop/bbs/EgovBdMstrRegistByTrget.jsp	jsp page for creation of society/community board
JSP	/WEB-INF/jsp/egovframework/com/cop/bbs/EgovBdMstrUpdtByTrget.jsp	jsp page for update of society/community
JSP	/WEB-INF/jsp/egovframework/com/cop/bbs/EgovBBSListByTrget.jsp	jsp page for inquiry of created board of society/community
Query XML	resources/egovframework/sqlmap/com/cop/bbs/EgovBBSMaster_SQL_Mysql.xml	MySQL based Query XML for board management
Query XML	resources/egovframework/sqlmap/com/cop/bbs/EgovBBSMaster_SQL_Oracle.xml	Oracle-based Query XML for board management
Query XML	resources/egovframework/sqlmap/com/cop/bbs/EgovBBSMaster_SQL_Tibero.xml	Tibero based Query XML for board management
Query XML	resources/egovframework/sqlmap/com/cop/bbs/EgovBBSMaster_SQL_Altibase.xml	Altibase based Query XML for board management
Validator Rule XML	resources/egovframework/validator/validator-rules.xml	XML defining Validator Rule
Idgen XML	resources/egovframework/spring/context-idgen.xml	Id generation Idgen XML for board management

Class Diagram

class CDD_게시판속성관리

«Controller»
EgovBBSAttributeManageController
- bbsAttrbService : EgovBBSAttributeManageService
- beanValidator : DefaultBeanValidator
- cmmUseService : EgovCmmUseService
- log : Logger = Logger.getLogge...
propertyService : EgovPropertyService
+ addBBSMaster(BoardMasterVO, ModelMap) : String
+ deleteBBSMasterInf(BoardMasterVO, BoardMaster, SessionStatus) : String
+ insertBBSMasterInf(BoardMasterVO, BoardMaster, BindingResult, SessionStatus, ModelMap) : String
+ selectBBSMasterInf(BoardMasterVO, ModelMap) : String
+ selectBBSMasterInfs(BoardMasterVO, ModelMap) : String
+ selectBBSMasterInfsPop(BoardMasterVO, ModelMap) : String
+ updateBBSMasterInf(BoardMasterVO, BoardMaster, BindingResult, ModelMap) : String

«Controller»
EgovBBSLoneMasterController
- bbsLoneService : EgovBBSLoneMasterService
- beanValidator : DefaultBeanValidator
- cmmUseService : EgovCmmUseService
- log : Logger = Logger.getLogge...
propertyService : EgovPropertyService
+ deleteBoardMaster(BoardMasterVO, BoardMaster, SessionStatus) : String
+ insertBoardMaster(BoardMasterVO, BoardMaster, BindingResult, SessionStatus, ModelMap) : String
+ selectBoardMaster(BoardMasterVO, ModelMap) : String
+ selectBoardMasterList(BoardMasterVO, ModelMap) : String
+ updateBoardMaster(BoardMasterVO, BoardMaster, BindingResult, ModelMap) : String

«model»
BoardMaster
Serializable
- bbsAttrbCode: String = ""
- bbsId: String = ""
- bbsIntran: String = ""
- bbsNm: String = ""
- bbsTyCode: String = ""
- bbsUseFlag: String = ""
- commentAt: String = ""
- fileAtchPosblAt: String = ""
- ftsRegisterId: String = ""
- ftsRegisterPnttm: String = ""
- lastUpdusId: String = ""
- lastUpdusPnttm: String = ""
- option: String = ""
- posblAtchFileNumber: int = 0
- posblAtchFileSize: String = null
- registSeCode: String = ""
- replyPosblAt: String = ""
- stsfdgAt: String = ""
- tmplatId: String = ""
- tmplatNm: String = ""
- trgetId: String = ""
- uniqId: String = ""
- useAt: String = ""
+ getBbsAttrbCode() : String
+ getBbsId() : String
+ getBbsIntran() : String
+ getBbsNm() : String
+ getBbsTyCode() : String
+ getBbsUseFlag() : String
+ getCommentAt() : String
+ getFileAtchPosblAt() : String
+ getFtsRegisterId() : String
+ getFtsRegisterPnttm() : String
+ getLastUpdusId() : String
+ getLastUpdusrPnttm() : String
+ getOption() : String
+ getPosblAtchFileNumber() : int
+ getPosblAtchFileSize() : String
+ getRegistSeCode() : String
+ getReplyPosblAt() : String
+ getStsfdgAt() : String
+ getTmplatId() : String
+ getTmplatNm() : String
+ getTrgetId() : String
+ getUniqId() : String
+ getUseAt() : String
+ setBbsAttrbCode(String) : void
+ setBbsId(String) : void
+ setBbsIntran(String) : void
+ setBbsNm(String) : void
+ setBbsTyCode(String) : void
+ setBbsUseFlag(String) : void
+ setCommentAt(String) : void
+ setFileAtchPosblAt(String) : void
+ setFtsRegisterId(String) : void
+ setFtsRegisterPnttm(String) : void
+ setLastUpdusId(String) : void
+ setLastUpdusrPnttm(String) : void
+ setOption(String) : void
+ setPosblAtchFileNumber(int) : void
+ setPosblAtchFileSize(String) : void
+ setRegistSeCode(String) : void
+ setReplyPosblAt(String) : void
+ setStsfdgAt(String) : void
+ setTmplatId(String) : void
+ setTmplatNm(String) : void
+ setTrgetId(String) : void
+ setUniqId(String) : void
+ setUseAt(String) : void
+ toString() : String

«Service»
EgovBBSAttributeManageService
+ deleteBBSMasterInf(BoardMaster) : void
+ insertBBSMasterInf(BoardMaster) : String
+ selectAllBBSMasterInf(BoardMasterVO) : List<BoardMasterVO>
+ selectAllBdMstrByTrget(BoardMasterVO) : List<BoardMasterVO>
+ selectBBSMasterInf(BoardMaster) : BoardMasterVO
+ selectBBSMasterInfs(BoardMasterVO) : Map<String, Object>
+ selectBdMstrListByTrget(BoardMasterVO) : Map<String, Object>
+ selectNotUsedBdMstrList(BoardMasterVO) : Map<String, Object>
+ updateBBSMasterInf(BoardMaster) : void
+ validateTemplate(BoardMasterVO) : void

«Service»
EgovBBSLoneMasterService
+ deleteMaster(BoardMaster) : void
+ insertMaster(BoardMaster) : String
+ selectMaster(BoardMaster) : BoardMasterVO
+ selectMasterList(BoardMasterVO) : Map<String, Object>
+ updateMaster(BoardMaster) : void

«ServiceImpl»
EgovBBSAttributeManageServiceImpl
AbstractServiceImpl
- addedOptionsDAO : BBSAddedOptionsDAO
- attrbMngDAO : BBSAttributeManageDAO
- bbsUseDAO : BBSUseInfoManageDAO
- idgenService : EgovIdGnrService
- userService : EgovUserInfoManageService
+ deleteBBSMasterInf(BoardMaster) : void
+ insertBBSMasterInf(BoardMaster) : String
+ selectAllBBSMasterInf(BoardMasterVO) : List<BoardMasterVO>
+ selectAllBdMstrByTrget(BoardMasterVO) : List<BoardMasterVO>
+ selectBBSMasterInf(BoardMaster) : BoardMasterVO
+ selectBBSMasterInfs(BoardMasterVO) : Map<String, Object>
+ selectBdMstrListByTrget(BoardMasterVO) : Map<String, Object>
+ selectNotUsedBdMstrList(BoardMasterVO) : Map<String, Object>
+ updateBBSMasterInf(BoardMaster) : void
+ validateTemplate(BoardMasterVO) : void

«ServiceImpl»
EgovBBSLoneMasterServiceImpl
AbstractServiceImpl
- bbsUseDAO : BBSUseInfoManageDAO
- idgenService : EgovIdGnrService
- masterDAO : BBSLoneMasterDAO
+ deleteMaster(BoardMaster) : void
+ insertMaster(BoardMaster) : String
+ selectMaster(BoardMaster) : BoardMasterVO
+ selectMasterList(BoardMasterVO) : Map<String, Object>
+ updateMaster(BoardMaster) : void

«Dao»
BBSAttributeManageDAO
EgovAbstractDAO
+ deleteBBSMasterInf(BoardMaster) : void
+ insertBBSMasterInf(BoardMaster) : String
+ selectAllBBSMasterInf(BoardMasterVO) : List<BoardMasterVO>
+ selectAllBdMstrByTrget(BoardMasterVO) : List<BoardMasterVO>
+ selectBBSMasterInf(BoardMaster) : BoardMasterVO
+ selectBBSMasterInfs(BoardMasterVO) : List<BoardMasterVO>
+ selectBBSMasterInfsCnt(BoardMasterVO) : int
+ selectBdMstrListByTrget(BoardMasterVO) : List<BoardMasterVO>
+ selectBdMstrListCnt(BoardMasterVO) : int
+ selectNotUsedBdMstrList(BoardMasterVO) : List<BoardMasterVO>
+ selectNotUsedBdMstrListCnt(BoardMasterVO) : int
+ updateBBSMasterInf(BoardMaster) : void
+ validateTemplate(BoardMasterVO) : boolean

«Dao»
BBSLoneMasterDAO
EgovAbstractDAO
+ deleteMaster(BoardMaster) : void
+ insertMaster(BoardMaster) : String
+ selectMaster(BoardMaster) : BoardMasterVO
+ selectMasterList(BoardMasterVO) : List<BoardMasterVO>
+ selectMasterListCnt(BoardMasterVO) : int
+ updateMaster(BoardMaster) : void

«Dao»
BBSAddedOptionsDAO
EgovAbstractDAO
+ insertAddedOptionsInf(BoardMaster) : String
+ selectAddedOptionsIn(BoardMaster) : BoardMasterVO
+ updateAddedOptionsIn(BoardMaster) : void

«Vo»
BoardMasterVO
Serializable
- authFlag : String = ""
- bbsAttrbCodeNm : String = ""
- bbsTyCodeNm : String = ""
- 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
- searchBgnDe : String = ""
- searchCnd : String = ""
- searchEndDe : String = ""
- searchUseYn : String = ""
- searchWrd : String = ""
- sortOrdr : String = ""
- tmplatCours : String = ""
- tmplatNm : String = ""
+ getAuthFlag() : String
+ getBbsAttrbCodeNm() : String
+ getBbsTyCodeNm() : String
+ getFirstIndex() : int
+ getFrstRegisterNm() : String
+ getLastIndex() : int
+ getLastUpdusrNm() : String
+ getPageIndex() : int
+ getPageSize() : int
+ getPageUnit() : int
+ getRecordCountPerPage() : int
+ getRowNo() : int
+ getSearchBgnDe() : String
+ getSearchCnd() : String
+ getSearchEndDe() : String
+ getSearchUseYn() : String
+ getSearchWrd() : String
+ getSortOrdr() : String
+ getTmplatCours() : String
+ getTmplatNm() : String
+ setAuthFlag(String) : void
+ setBbsAttrbCodeNm(String) : void
+ setBbsTyCodeNm(String) : void
+ 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
+ setSearchBgnDe(String) : void
+ setSearchCnd(String) : void
+ setSearchEndDe(String) : void
+ setSearchUseYn(String) : void
+ setSearchWrd(String) : void
+ setSortOrdr(String) : void
+ setTmplatCours(String) : void
+ setTmplatNm(String) : void
+ toString() : String

ID Generation

ID Generation Related DDL and DML

- To utilize ID Generation Service, **BBS_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('BBS_ID','0');
```

ID Generation Configuration(context-idgen.xml)

```
<bean name="egovBBSMstrIdGnrService"
        class="egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService"
        destroy-method="destroy">
        <property name="dataSource" ref="egov.dataSource" />
        <property name="strategy" ref="bbsMstrStrategy" />
        <property name="blockSize"        value="10"/>
        <property name="table"            value="COMTECOPSEQ"/>
        <property name="tableName"        value="BBS_ID"/>
</bean>
<bean name="bbsMstrStrategy"
        class="egovframework.rte.fdl.idgnr.impl.strategy.EgovIdGnrStrategyImpl">
        <property name="prefix" value="BBSMSTR_" />
        <property name="cipers" value="12" />
        <property name="fillChar" value="0" />
</bean>
```

Related Table

Table Name	Table Name (English)	Remarks
Board Property	COMTNBBSMASTER	Manage property information of board.
Board Use Information	COMTNBBSUSE	Manage use information of board.
Code Information	COMTCCMMNDETAILCODE	Mange code information.

Related Code

Code Classification	Code Classification Name	Code ID	Code Name
COM004	Board Type	BBST01	General Board
COM004	Board Type	BBST02	Anonymous Board
COM004	Board Type	BBST03	Notice Board
COM004	Board Type	BBST04	Guest Book
COM009	BoardProperty	BBSA01	Validity Board
COM009	BoardProperty	BBSA02	Gallery
COM009	BoardProperty	BBSA03	General Board

Board Property

Board Type

Board Type	Description	Remarks

General Board	Generally used board	
Anonymous Board	Board in the form without name of creator	
Notice Board	Board that can be entered with notice	
Guest Book	Board of Guest Book type	Board type property no meaning

Additional Type

Board Property	Description	Remarks
Validity Board	Board that can designate the posting period	Designating the start/finish days
Gallery	Board showing the attached image file to the text	
General Board	Board of general type	

Above two properties are provided in a way that they can be combined and additionally whether it can be replied or attached can be selected.

Anonymous Board requires authority exception processing additionally in reference to **Board Anonymous Processing**.

Related Function

Board creation management, notice management, validity board, anonymity board and resource room management are separated into **board list inquiry, board creation, board update and template inquiry popup function**.

Board List Inquiry

Business Rule

To create new board, click the Register button on the top to move to **Board Creation** screen. To update the property information of existing board, click the name of relevant board to move to **Board Update** screen for providing detail inquiry and update function.

Related Codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
List Inquiry	/cop/bbs/SelectBBSMasterInfs.do	selectBBSMasterInfs	"BBSAttributeManageDAO.selectBBSMasterInfs",
			"BBSAttributeManageDAO.selectBBSMasterInfsCnt"

Board list is inquired by 10 items per page. The paging consists of 10 pages. The condition of search is implemented by the Board name and Board Type. 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.)

번호	게시판명	게시판유형	게시판속성	생성일	사용여부
1	동호회 등록테스트	일반게시판	일반게시판	2009-04-16	사용
2	마지막 테스트	일반게시판	유효게시판	2009-04-16	사용
3	등록테스트	일반게시판	일반게시판	2009-04-16	사용
4	커뮤니티 게시판 등록 및 관리를 위함	일반게시판	일반게시판	2009-04-16	사용
5	자료실	일반게시판	일반게시판	2009-04-16	사용
6	방명록	방명록	일반게시판	2009-04-16	사용
7	공지게시판	공지게시판	유효게시판	2009-04-16	사용
8	갤러리	일반게시판	갤러리	2009-04-16	사용
9	자유게시판	일반게시판	일반게시판	2009-04-16	사용
10	공지게시판	공지게시판	유효게시판	2009-04-15	사용

Inquiry: to inquire, select the search conditions on the top, enter the search character and click the Inquiry button.
Register: to register new Internet Service information, move to **Create Board** screen to the Register button on the top.
Click the List: move to **Board Detail Inquiry** screen.

Board Creation

Business Rule

Create the board after entering property information of board. When creation is successfully completed, move to **Board List Inquiry** screen.
Even when selecting file attachment is impossible in creating the Board, the number of available attachment file can be set. It is because the screen control is recommended according to business rule at the place where actual common service function will be used. Forceful control is rarely formed in the case which is not the input error in the function of actual common service.

Related Codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Registration Screen	/cop/bbs/addBBSMaster.do	addBBSMaster	
Register	/cop/bbs/insertBBSMasterInf.do	insertBBSMasterInf	"BBSAttributeManageDAO.insertBBSMasterInf"

List: move to **Board List** screen.
Register: entered Board information is saved.

Board Update

Business Rule

Press the Update button after entering the information that can be changed in the property information of board. When the property information of board is changed and changes are successfully completed, move to **Board List Inquiry** screen.
If Delete button is pressed, the relevant Board is disabled (no physical deletion) and if the deletion task is successfully terminated, move to **Board List Inquiry** screen.

Related Codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Update	/cop/bbs/UpdateBBSMasterInf.do	updateBBSMasterInf	"BBSAttributeManageDAO.updateBBSMasterInf"

Save: updated information is saved.
List: move to **Board List** screen.

Template Inquiry Popup

Business Rule

Inquire and select the template information to be utilized at the relevant board. Change of css related to board includes the area that differs through change of board template.

Related Codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Popup list inquiry	/cop/bbs/SelectBBSMasterInfsPop.do	selectBBSMasterInfsPop	"BBSAttributeManageDAO.selectNotUsedBdMstrList"

Reference

- See Attachment File Upload: <u>File Management</u>