

## Menu Management

### Summary

Menu Management has the objective of managing the menu list so that the corresponded screen can be used by creating the program file name which is registered at the program list as the menu. It is constructed so that overall registration of the program file and menu list can be accomplished as an excel file during the initial menu registration.

- Flow of functions



### Description

#### Package Dependency

Menu Management Package has direct functional dependency only for the common (cmm) package of element technology and program package. However, in order to be executed without error during the component distribution, the distribution file is constituted with mail connection interface, shortcut menu management, menu creation management, site map, program management, format/date/calculation, system (sim), calendar, web editor, and postal number package in accordance with the dependency between packages.

- Dependency between packages: [System management Package Dependency](#)

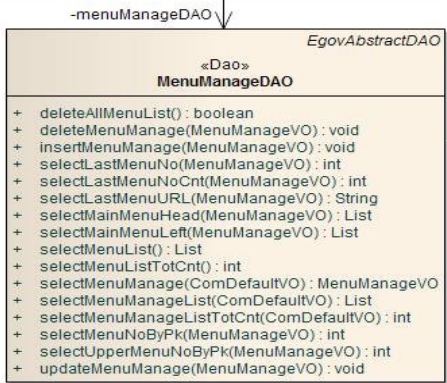
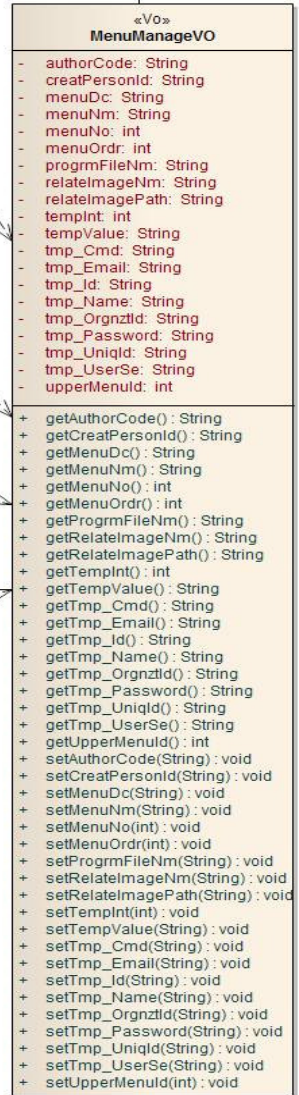
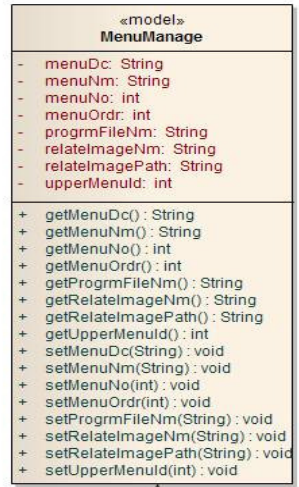
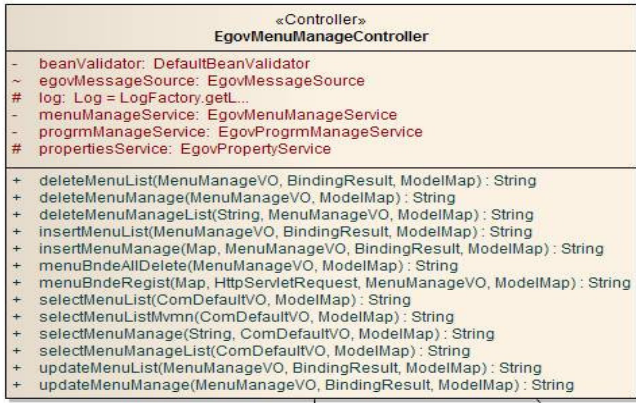
#### Related Source

Type	Name of Corresponded Source	Remarks
Controller	egovframework.com.sym.mnu.mpm.web.EgovMenuManageController.java	Controller class for menu list management, overall menu creation, menu list, menu creation processing, and site map creation
Controller	egovframework.com.sym.mnu.mpm.web.EgovMainManageController.java	Main menu link

		processing business implementation on controller class
Service	egovframework.com.sym.mnu.mpm.service.EgovMenuManageService.java	Service interface for menu list management , overall menu creation, menu list, menu creation processing, and site map creation
ServiceImpl	egovframework.com.sym.mnu.mpm.service.impl.EgovMenuManageServiceImpl.java	Service implementation class for menu list management , overall menu creation, menu list, menu creation processing, and site map creation
VO	egovframework.com.sym.mpm.mnu.service.MenuManageVO.java	VO class for menu list management
DAO	egovframework.com.sym.mpm.mnu.service.impl.MenuManageDAO.java	Data processing class for menu list management , overall menu creation, menu list, menu creation processing, and site map creation
JSP	/WEB-INF/jsp/egovframework/com/sym/mnu/mpm/EgovMenuManage.jsp	List inquiry page for menu list inquiry and multi-deletion
JSP	/WEB-INF/jsp/egovframework/com/sym/mnu/mpm/EgovMenuRegist.jsp	Page for menu list information registration
JSP	/WEB-	Page for

	INF/jsp/egovframework/com/sym/mnu/mpm/EgovMenuDetailSelectUpdt.jsp	menu list information detailed inquiry, update, and deletion
JSP	/WEB-INF/jsp/egovframework/com/sym/mnu/mpm/EgovMenuBndeRegist.jsp	Pop-up page for overall menu creation
JSP	/WEB-INF/jsp/egovframework/com/sym/mnu/mpm/EgovFileNmSearch.jsp	Pop-up page for inquiring program file name
JSP	/WEB-INF/jsp/egovframework/com/sym/mnu/mpm/EgovMenuList.jsp	Page for menu list management
JSP	/WEB-INF/jsp/egovframework/com/sym/mnu/mpm/EgovMenuMvmn.jsp	Pop-up page for menu transfer
QUERY XML	resources/egovframework/sqlmap/com/sym/mnu/mpm/EgovMenuManage_SQL_Mysql.xml	QUERY XML for Menu Management MySQL
QUERY XML	resources/egovframework/sqlmap/com/sym/mnu/mpm/EgovMenuManage_SQL_Oracle.xml	QUERY XML for Menu Management Oracle
QUERY XML	resources/egovframework/sqlmap/com/sym/mnu/mpm/EgovMenuManage_SQL_Tibero.xml	QUERY XML for Menu Management Tibero
QUERY XML	resources/egovframework/sqlmap/com/sym/mnu/mpm/EgovMenuManage_SQL_Altibase.xml	QUERY XML for Menu Management Altibase
Validator Rule XML	resources/egovframework/validator/validator-rules.xml	Validator Rule defined XML
Validator XML	resources/egovframework/validator/com/sym/mnu/mpm/EgovMenuManage.xml	Menu Management Validator XML
Message properties	resources/egovframework/message/com/message-common_ko_KR.properties	Menu Management Message properties

## Class Diagram



## Related Table

Name of table	Name of table (English)	Remarks
Menu information	COMTNMENUINFO	Manage the menu list information.

## Related Functions

Menu management is comprised of the menu list inquiry, menu registration, menu detailed inquiry/update, overall menu creation, and menu list management.

## Menu Information List Inquiry

### Business Rule

In order to register new menu, it shall be moved to the **menu information registration** screen through the registration button at the top, and in the case of revising the existing menu information, it shall be moved to the **menu detailed inquiry/update** screen which provides detailed inquiry and update functions by clicking the corresponded menu name. Menu list is inquired with the unit of 10 cases per page, and paging is realized with the unit of 10 pages. Search condition is performed for the menu name.

### Related Code

N/A

### Screen and execution manual

Action	URL	Controller method	QueryID
Inquiry	/sym/mnu/mpm/EgovMenuManageSelect.do	selectMenuManageList	"menuManageDAO.selectMenuManageList_D", "menuManageDAO.selectMenuManageListTotCnt_S"

#### 메뉴관리리스트

<input type="checkbox"/>	메뉴ID	메뉴한글명	프로그램파일명	메뉴설명	상위메뉴ID
<input type="checkbox"/>	0	root	dir	root	0
<input type="checkbox"/>	1000000	보안관리	dir	보안관리	0
<input type="checkbox"/>	1010000	권한관리	EgovAuthorList	권한관리	1000000
<input type="checkbox"/>	1020000	그룹관리	EgovGroupList	그룹관리	1000000
<input type="checkbox"/>	1030000	권한그룹관리	EgovAuthorGroupList	권한그룹관리	1000000
<input type="checkbox"/>	1040000	롤관리	EgovRoleList	롤관리	1000000
<input type="checkbox"/>	1050000	부서권한관리	EgovDeptAuthorList	부서권한관리	1000000
<input type="checkbox"/>	2000000	사용자지원	dir	사용자지원	0
<input type="checkbox"/>	2010000	메뉴관리	dir	메뉴관리	2000000
<input type="checkbox"/>	2010100	메뉴목록관리	EgovMenuManage	메뉴목록관리	2010000

Inquiry: Inquire registered menu management list.

Registration: In order to register new menu, it shall be moved to the **menu registration** screen through the registration button at the top.

Inquiry list selection: In the case of revising the existing menu information, it shall be moved to the **menu detailed inquiry/update** screen which provides detailed inquiry and update functions by clicking the corresponded menu name.

### Menu Information Registration

#### Business Rule

Perform registration after inputting the menu information. When inputting program file name, call the program file name searching pop-up screen by clicking the search button at the side of program file name, and designate the file name by searching the file name and clicking the corresponded file name.

#### Related Code

N/A

#### Screen and execution manual

Action	URL	Controller method	QueryID
Registration	/sym/mnu/mpm/EgovMenuRegistInsert.do	insertMenuManage	"menuManageDAO.insertMenuManage_S"

#### ☞ 메뉴 등록

메뉴No *	<input type="text"/>	메뉴순서 *	<input type="text"/>
메뉴명 *	<input type="text"/>	상위메뉴No *	<input type="text"/>
파일명 *	<input type="text"/>  (프로그램파일명 검색)		
관련이미지명 *	<input type="text"/>	관련이미지경로 *	<input type="text"/>
메뉴설명	<div style="border: 1px solid #ccc; height: 150px;"></div>		

## 프로그램파일명 검색

프로그램파일명 \*

프로그램파일명	프로그램명
dir	디렉토리
EgovAdministCalPopup	행정달력
EgovAdministDayCalendar	행정달력 일간
EgovAdministMonthCalendar	행정달력 월간
EgovAdministWeekCalendar	행정달력 주간
EgovAdministYearCalendar	행정달력 연간
EgovAllSchdulManageList	전체일정
EgovAuthorGroupList	권한그룹관리
EgovAuthorList	권한관리
EgovBbsStats	게시물통계

⏪ ⏩ 1 2 3 4 5 6 7 8 9 10 ⏪ ⏩

List: Moved to menu management list screen.

Register: In order to register the new menu information, it shall be saved through the **Register Button** at the top.

Search: Perform the designation by searching the program file name.

## Menu Information Detailed Inquiry/Update

### Business Rule

Perform the saving after changing the menu information.

### Related Code

N/A

### Screen and execution manual

Action	URL	Controller method	QueryID
Update	/sym/mnu/mpm/EgovMenuDetailSelectUpdate.do	updateMenuManage	"menuManageDAO.updateMenuManage_S"
Detail inquiry	/sym/mnu/mpm/EgovMenuManageListDetailSelect.do	selectMenuManage	"menuManageDAO.selectMenuManageList_D"

Next screen is identical with the menu information detailed inquiry screen.

## ☞ 메뉴상세조회및 수정

메뉴No *	1010000	메뉴순서 *	1
메뉴명 *	권한관리	상위메뉴No *	1000000
파일명 *	EgovAuthorList	🔍 (프로그램파일명 검색)	
관련이미지명 *	/	관련이미지경로 *	/
메뉴설명	<div style="border: 1px solid gray; padding: 5px; min-height: 100px;">                     권한관리                 </div>		

목록 수정 삭제

List: Moved to menu management list screen.

Update: In order to revise already registered menu information, it shall be saved through the **Update Button** at the top.

### Menu Information Deletion

#### Business Rule

Multi-deletion - After inquiring menu information list, select the item to be deleted with the check box, and click the Delete button. Single deletion - Click the detailed inquiry deletion button at the menu information detailed inquiry/update screen.

#### Related Code

N/A

#### Screen and execution manual

Action	URL	Controller method	QueryID
Multi-deletion	/sym/mnu/mpm/EgovMenuManageListDelete.do	deleteMenuManageList	"menuManageDAO.deleteMenuManage_S"
Single deletion	/sym/mnu/mpm/EgovMenuManageDelete.do	deleteMenuManage	"menuManageDAO.deleteMenuManage_S"

#### Multi-deletion



## 프로그램목록관리

프로그램명\*

프로그램파일명	프로그램명	URL	프로그램설명
<input type="checkbox"/> dir	디렉토리	dir	디렉토리
<input checked="" type="checkbox"/> EgovAdministCalPopup	행정달력	/sym/cmm/EgovAdministCalPopup.do	행정달력
<input type="checkbox"/> EgovAdministDayCalendar	행정달력 일간	/sym/cal/EgovAdministDayCalendar.do	행정달력 &gt; 일간
<input type="checkbox"/> EgovAdministMonthCalendar	행정달력 월간	/sym/cal/EgovAdministMonthCalendar.do	행정달력 &gt; 월간
<input type="checkbox"/> EgovAdministWeekCalendar	행정달력 주간	/sym/cal/EgovAdministWeekCalendar.do	행정달력 &gt; 주간
<input type="checkbox"/> EgovAdministYearCalendar	행정달력 연간	/sym/cal/EgovAdministYearCalendar.do	행정달력 &gt; 연간
<input type="checkbox"/> EgovAllSchdulManageList	전체일정	/cop/smt/asm/EgovAllSchdulManageList.do	전체일정
<input type="checkbox"/> EgovAuthorGroupList	권한그룹관리	/cmm/sec/ram/EgovAuthorGroupListView.do	권한그룹관리
<input type="checkbox"/> EgovAuthorList	권한관리	/cmm/sec/ram/EgovAuthorListView.do	권한관리
<input type="checkbox"/> EgovBbsStats	게시물통계	/sts/selectBbsStats.do	게시물통계

1 2 3 4 5 6 7 8 9 10

## Single deletion

### 메뉴상세조회및 수정

메뉴No *	1010000	메뉴순서 *	1
메뉴명 *	권한관리	상위메뉴No *	1000000
파일명 *	EgovAuthorList	<input type="button" value="🔍 (프로그램파일명 검색)"/>	
관련이미지명 *	/	관련이미지경로 *	/
메뉴설명	<div style="border: 1px solid gray; padding: 5px; min-height: 100px;">                     권한관리                 </div>		

## Overall Menu Creation

### Business Rule

Perform overall registration processing by distributing and disposing the details of program list information and menu information list arranged in Excel file. If initial menu is managed by the list, it can be used with convenience. However, in the case of overall creation, all of the menu list, program list, and data of program change details table are deleted, therefore, it shall only be used during the registration of the initial menu, and precautions shall be exerted for other occasions of usage.

### Related Code

N/A

**Screen and execution manual**

Action	URL	Controller method	QueryID
Overall Creation	/sym/mnu/mpm/EgovMenuBndeRegist.do	menuBndeRegist	"progrmManageDAO.insertProgrm_S"

**메뉴일괄등록**

일괄등록

일괄파일 \*

For Excel registration file, one file is prepared with two tabs, and each of the information is registered at overall generation by preparing as follows.

**Excel registration file -Program list information**

	A	B	C	D	E
1	프로그램명	프로그램한글명	프로그램저장경로	URL	프로그램설명
2	dir	디렉토리	dir	dir	디렉토리
3	EgovAuthorList	권한관리	/cmm/sec/ram/	/cmm/sec/ram/EgovAuthorListView.do	권한관리
4	EgovGroupList	그룹관리	/cmm/sec/ram/	/cmm/sec/ram/EgovGroupListView.do	그룹관리
5	EgovAuthorGroupList	권한그룹관리	/cmm/sec/ram/	/cmm/sec/ram/EgovAuthorGroupListView.do	권한그룹관리
6	EgovRoleList	롤관리	/cmm/sec/ram/	/cmm/sec/ram/EgovRoleListView.do	롤관리
7	EgovDeptAuthorList	부서권한관리	/cmm/sec/ram/	/cmm/sec/ram/EgovDeptAuthorListView.do	부서권한관리
8	EgovMenuCreatManage	메뉴생성	/sym/mpm/	/sym/mpm/EgovMenuCreatManageSelect.do	메뉴생성
9	EgovMenuList	메뉴리스트	/sym/mpm/	/sym/mpm/EgovMenuListSelect.do	메뉴리스트
10	EgovMenuManage	메뉴관리	/sym/mpm/	/sym/mpm/EgovMenuManageSelect.do	메뉴관리
11	EgovProgramChangeReqst	프로그램변경	/sym/mpm/	/sym/mpm/EgovProgramChangeReqstSelect.do	프로그램변경
12	EgovProgramChangeReqstProcess	프로그램변경요청	/sym/mpm/	/sym/mpm/EgovProgramChangeReqstProcessListSelect.do	프로그램변경요청

**Excel registration file -Menu information**

	A	B	C	D	E	F	G	H
1	메뉴번호	메뉴순서	메뉴명	상위메뉴번호	메뉴설명	관련이미지경로	관련이미지명	프로그램파일명
2	0	1	root	0	root	/	/	dir
3	1000000	1	보안관리	0	보안관리	/	/	dir
4	1010000	1	권한관리	1000000	권한관리	/	/	EgovAuthorList
5	1020000	2	그룹관리	1000000	그룹관리	/	/	EgovGroupList
6	1030000	3	권한그룹관리	1000000	권한그룹관리	/	/	EgovAuthorGroupList
7	1040000	4	롤관리	1000000	롤관리	/	/	EgovRoleList
8	1050000	5	부서권한관리	1000000	부서권한관리	/	/	EgovDeptAuthorList
9	2000000	2	사용자지원	0	사용자지원	/	/	dir

Followings are the Excel file form of overall menu registration. With this, overall registration is conducted for program list and menu list.

Overall menu Excel form [batchmenubind\\_menu\\_sample.xls](#)

**Menu List Management**

**Business Rule**

Menu list information is inquired. When inputting upper menu from registered menu list, perform the input by clicking the search button and selecting upper menu.

**Related Code**

N/A

### Screen and execution manual

Action	URL	Controller method	QueryID
Inquiry	/sym/mnu/mpm/EgovMenuListSelect.do	selectMenuList	"menuManageDAO.selectMenuListT_D"
Registration	/sym/mnu/mpm/EgovMenuListInsert.do	insertMenuManage	"menuManageDAO.insertMenuManage_S"
Update	/sym/mnu/mpm/EgovMenuListUpdate.do	updateMenuManage	"menuManageDAO.updateMenuManage_S"
Deletion	/sym/mnu/mpm/EgovMenuListDelete.do	deleteMenuManage	"menuManageDAO.deleteMenuManage_S"

The menu in which the registered menu information is arranged as the menu list of tree shape can be confirmed.



Initialization: Contents of screen field is initialized. Once initialization is performed, only registration can be conducted after inputting the contents. However, when selecting the menu list, only deletion, update can be conducted.

Registration: In order to register new menu information, save it through the **Registration button** at the top.

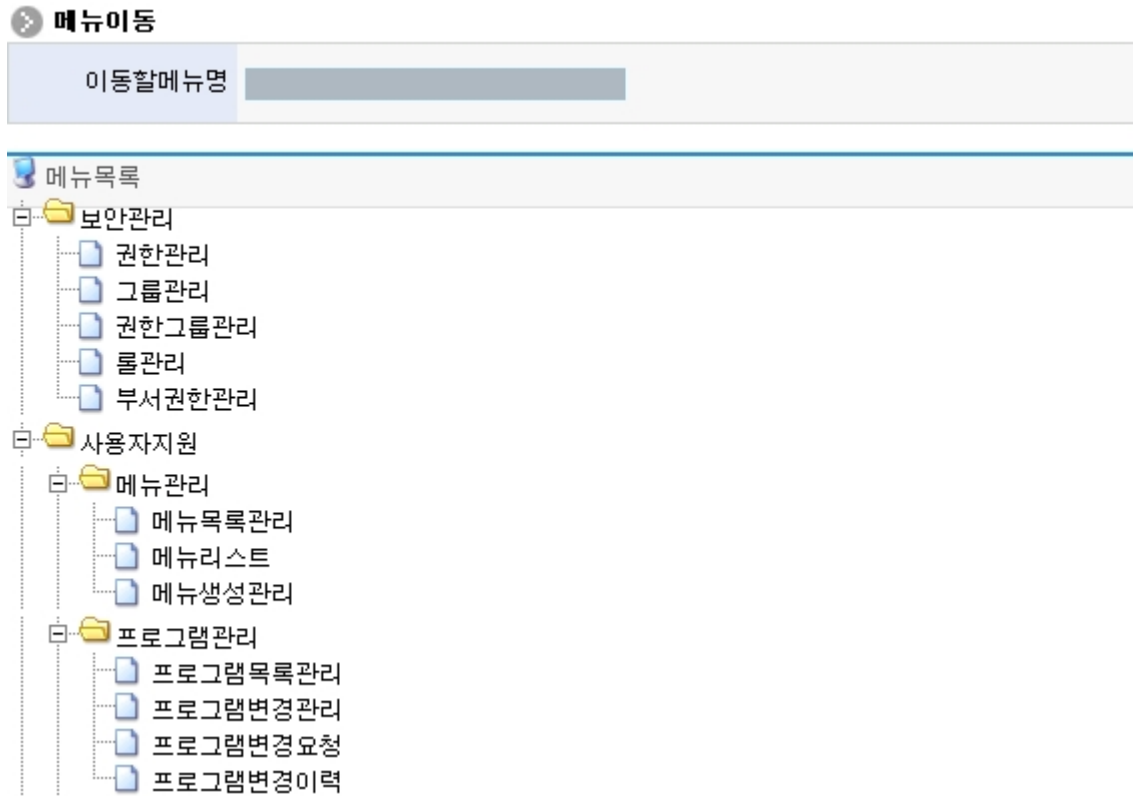
Update: In order to revise already registered menu information, save it through the **Update Button** at the top.

Deletion: Click the Detailed inquiry deletion button at menu information detailed inquiry/update screen.

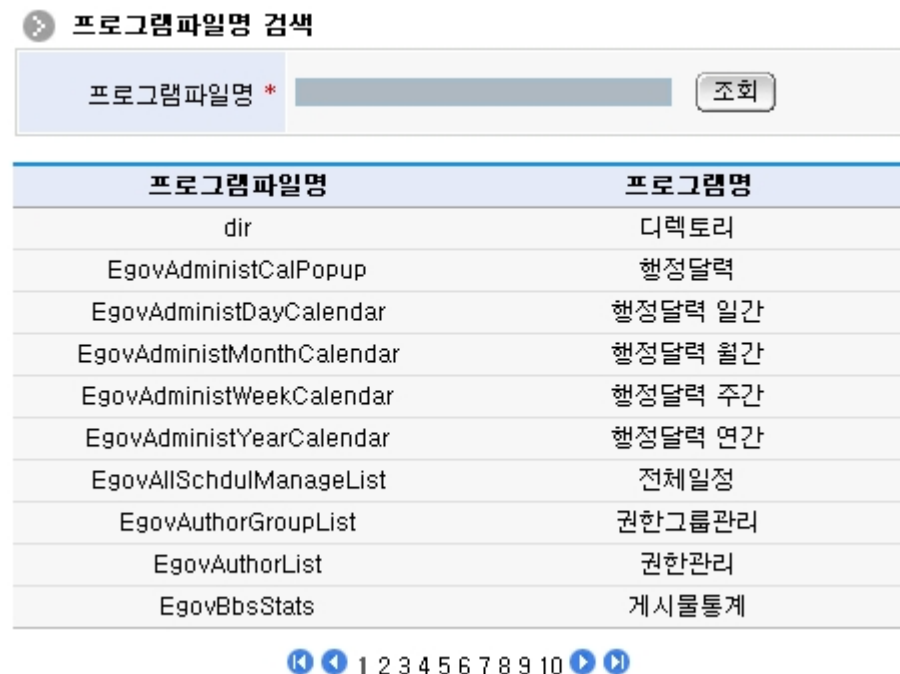
Menu list selection: Confirm detailed contents by clicking the corresponding menu at screen left side menu list. After confirming the detailed contents, update or deletion can be conducted.

Program file name search: Search and designate program file name from program file search pop-up screen.

Upper menu search: Select and designate upper menu from upper menu pop-up screen.



When inputting program file name, call the program file name search pop-up screen by clicking the search button at the side of the program file name, and designate the file name by searching it and clicking the corresponding file name.



From menu list, information for the menu can be registered, revised, and deleted.

