Cooperation – Department schedule management

Summary

This component 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.

Commonly supported jAlert, and datebox for date and time are used which are defined in the jsfiles below.

- EgovMobile.js
- jquery.mobile.datebox.js

The css related to components excluding EgovMobile.css are as following

- egovBoard.css
- ussCommon.css

The department schedule management service provides the service for the member of the department to manage plans on the seminar, lecture, education, meeting and other schedules more easily and conveniently through inquiring and managing schedules by day and week.
When the department schedule is registered, each schedule is created in the designated period and when it is deleted, all schedules are deleted regardless of the period.

In registering department schedules, the compulsory items are tested by the validator rule which is applied by pre-define validator-rules.kl and validator.xml.

Details are explained below.

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), 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.

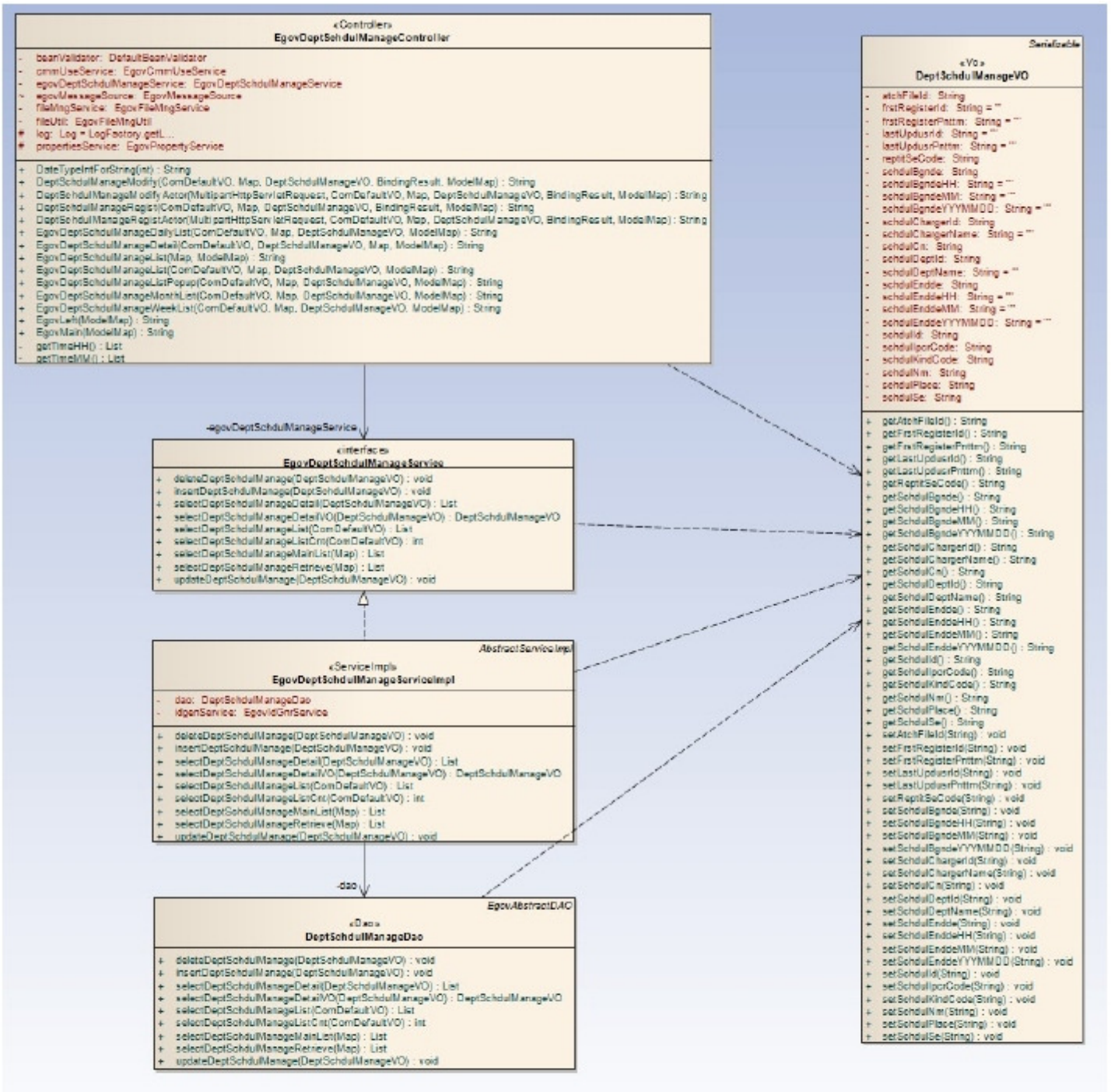- iOS 4.2, 4.3 :Both versions supported the HTML5 and CSS3 relatively successfully.

Function Flow

Description

The scrap function is composed of department schedule register, list inquiry, detailed inquiry and update functions.

Class diagram

«Controller»
EgovDeptSchdulManageController

- beanValidator: DefaultBeanValidator
- cmmUseService: EgovCmmUseService
- egovDeptSchdulManageService: EgovDeptSchdulManageService
~ egovMessageSource: EgovMessageSource
- fileMngService: EgovFileMngService
- fileUtil: EgovFileMngUtil
log: Log = LogFactory.getL...
propertiesService: EgovPropertyService

+ DateTypeIntForString(int) : String
+ DeptSchdulManageModify(ComDefaultVO, Map, DeptSchdulManageVO, BindingResult, ModelMap) : String
+ DeptSchdulManageModifyActor(MultipartHttpServletRequest, ComDefaultVO, Map, DeptSchdulManageVO, BindingResult, ModelMap) : String
+ DeptSchdulManageRegist(ComDefaultVO, Map, DeptSchdulManageVO, BindingResult, ModelMap) : String
+ DeptSchdulManageRegistActor(MultipartHttpServletRequest, ComDefaultVO, Map, DeptSchdulManageVO, BindingResult, ModelMap) : String
+ EgovDeptSchdulManageDailyList(ComDefaultVO, Map, DeptSchdulManageVO, ModelMap) : String
+ EgovDeptSchdulManageDetail(ComDefaultVO, DeptSchdulManageVO, Map, ModelMap) : String
+ EgovDeptSchdulManageList(Map, ModelMap) : String
+ EgovDeptSchdulManageList(ComDefaultVO, Map, DeptSchdulManageVO, ModelMap) : String
+ EgovDeptSchdulManageListPopup(ComDefaultVO, Map, DeptSchdulManageVO, ModelMap) : String
+ EgovDeptSchdulManageMonthList(ComDefaultVO, Map, DeptSchdulManageVO, ModelMap) : String
+ EgovDeptSchdulManageWeekList(ComDefaultVO, Map, DeptSchdulManageVO, ModelMap) : String
+ EgovLeft(ModelMap) : String
+ EgovMain(ModelMap) : String
- getTimeHH() : List
- getTimeMM() : List

Serializable

«VO»
DeptSchdulManageVO

- atchFileId: String
- frstRegisterId: String = ""
- frstRegisterPnttm: String = ""
- lastUpdusrId: String = ""
- lastUpdusrPnttm: String = ""
- reptitSeCode: String
- schdulBgnde: String
- schdulBgndeHH: String = ""
- schdulBgndeMM: String = ""
- schdulBgndeYYYYMMDD: String = ""
- schdulChargerId: String
- schdulChargerName: String = ""
- schdulCn: String
- schdulDeptId: String
- schdulDeptName: String = ""
- schdulEndde: String
- schdulEnddeHH: String = ""
- schdulEnddeMM: String = ""
- schdulEnddeYYYYMMDD: String = ""
- schdulId: String
- schdulIporCode: String
- schdulKindCode: String
- schdulNm: String
- schdulPlace: String
- schdulSe: String

+ getAtchFileId() : String
+ getFrstRegisterId() : String
+ getFrstRegisterPnttm() : String
+ getLastUpdusrId() : String
+ getLastUpdusrPnttm() : String
+ getReptitSeCode() : String
+ getSchdulBgnde() : String
+ getSchdulBgndeHH() : String
+ getSchdulBgndeMM() : String
+ getSchdulBgndeYYYYMMDD() : String
+ getSchdulChargerId() : String
+ getSchdulChargerName() : String
+ getSchdulCn() : String
+ getSchdulDeptId() : String
+ getSchdulDeptName() : String
+ getSchdulEndde() : String
+ getSchdulEnddeHH() : String
+ getSchdulEnddeMM() : String
+ getSchdulEnddeYYYYMMDD() : String
+ getSchdulId() : String
+ getSchdulIporCode() : String
+ getSchdulKindCode() : String
+ getSchdulNm() : String
+ getSchdulPlace() : String
+ getSchdulSe() : String
+ setAtchFileId(String) : void
+ setFrstRegisterId(String) : void
+ setFrstRegisterPnttm(String) : void
+ setLastUpdusrId(String) : void
+ setLastUpdusrPnttm(String) : void
+ setReptitSeCode(String) : void
+ setSchdulBgnde(String) : void
+ setSchdulBgndeHH(String) : void
+ setSchdulBgndeMM(String) : void
+ setSchdulBgndeYYYYMMDD(String) : void
+ setSchdulChargerId(String) : void
+ setSchdulChargerName(String) : void
+ setSchdulCn(String) : void
+ setSchdulDeptId(String) : void
+ setSchdulDeptName(String) : void
+ setSchdulEndde(String) : void
+ setSchdulEnddeHH(String) : void
+ setSchdulEnddeMM(String) : void
+ setSchdulEnddeYYYYMMDD(String) : void
+ setSchdulId(String) : void
+ setSchdulIporCode(String) : void
+ setSchdulKindCode(String) : void
+ setSchdulNm(String) : void
+ setSchdulPlace(String) : void
+ setSchdulSe(String) : void

-egovDeptSchdulManageService

«interface»
EgovDeptSchdulManageService

+ deleteDeptSchdulManage(DeptSchdulManageVO) : void
+ insertDeptSchdulManage(DeptSchdulManageVO) : void
+ selectDeptSchdulManageDetail(DeptSchdulManageVO) : List
+ selectDeptSchdulManageDetailVO(DeptSchdulManageVO) : DeptSchdulManageVO
+ selectDeptSchdulManageList(ComDefaultVO) : List
+ selectDeptSchdulManageListCnt(ComDefaultVO) : int
+ selectDeptSchdulManageMainList(Map) : List
+ selectDeptSchdulManageRetrieve(Map) : List
+ updateDeptSchdulManage(DeptSchdulManageVO) : void

AbstractServiceImpl

«ServiceImpl»
EgovDeptSchdulManageServiceImpl

- dao: DeptSchdulManageDao
- idgenService: EgovIdGnrService

+ deleteDeptSchdulManage(DeptSchdulManageVO) : void
+ insertDeptSchdulManage(DeptSchdulManageVO) : void
+ selectDeptSchdulManageDetail(DeptSchdulManageVO) : List
+ selectDeptSchdulManageDetailVO(DeptSchdulManageVO) : DeptSchdulManageVO
+ selectDeptSchdulManageList(ComDefaultVO) : List
+ selectDeptSchdulManageListCnt(ComDefaultVO) : int
+ selectDeptSchdulManageMainList(Map) : List
+ selectDeptSchdulManageRetrieve(Map) : List
+ updateDeptSchdulManage(DeptSchdulManageVO) : void

-dao

EgovAbstractDAO

«Dao»
DeptSchdulManageDao

+ deleteDeptSchdulManage(DeptSchdulManageVO) : void
+ insertDeptSchdulManage(DeptSchdulManageVO) : void
+ selectDeptSchdulManageDetail(DeptSchdulManageVO) : List
+ selectDeptSchdulManageDetailVO(DeptSchdulManageVO) : DeptSchdulManageVO
+ selectDeptSchdulManageList(ComDefaultVO) : List
+ selectDeptSchdulManageListCnt(ComDefaultVO) : int
+ selectDeptSchdulManageMainList(Map) : List
+ selectDeptSchdulManageRetrieve(Map) : List
+ updateDeptSchdulManage(DeptSchdulManageVO) : void

Related Source

Type	Source	Remarks
Controller	egovframework.com.cop.smt.sdm.web.EgovDeptSchdulManageController.java	Controller class for department schedule management
Controller	egovframework.mbl.com.cop.smt.sdm.web.EgovMblDeptSchdulManageController.java	Controller class for mobile department schedule management
Service	egovframework.com.cop.smt.sdm.service.EgovDeptSchdulManageService.java	Service class for department schedule management
VO	egovframework.com.cop.smt.sdm.service.DeptSchdulManageVO.java	VO Class for department department schedule management
VO	egovframework.com.cmm.ComDefaultVO.java	Search VOclass
ServiceImpl	egovframework.com.cop.smt.sdm.service.impl.EgovDeptSchdulManageServiceImpl.java	ServiceImpl Class for the department schedule management
DAO	egovframework.com.cop.smt.sdm.service.impl.DeptSchdulManageDao.java	Dao Class for the department schedule management
JSP	/WEB-INF/jsp/egovframework/com/cop/smt/sdm/EgovDeptSchdulManageList.jsp	List inquiry page for department schedule management
JSP	/WEB-INF/jsp/egovframework/com/cop/smt/sdm/EgovDeptSchdulManageRegist.jsp	Registration page for department schedule management
JSP	/WEB-INF/jsp/egovframework/com/cop/smt/sdm/EgovDeptSchdulManageModify.jsp	Revision page for department schedule management
JSP	/WEB-INF/jsp/egovframework/com/cop/smt/sdm/EgovDeptSchdulManageDetail.jsp	Detailed inquiry page for department schedule management
JSP	/WEB-INF/jsp/egovframework/mbl/com/cop/smt/sdm/EgovDeptSchdulManageList.jsp	List inquiry mobile page for department schedule management
JSP	/WEB-INF/jsp/egovframework/mbl/com/cop/smt/sdm/EgovDeptSchdulManageRegist.jsp	Registration mobile page for department schedule management
JSP	/WEB-INF/jsp/egovframework/mbl/com/cop/smt/sdm/EgovDeptSchdulManageModify.jsp	Revision mobile page for department schedule management
JSP	/WEB-INF/jsp/egovframework/mbl/com/cop/smt/sdm/EgovDeptSchdulManageDetail.jsp	Detailed inquiry mobile page for department schedule management
QUERY XML	/egovframework/sqlmap/com/cop/smt/sdm/EgovDeptSchdulManage.xml	QUERY XML for department schedule management
Validator Rule XML	resources/egovframework/validator/validator-rules.xml	XML that defined the validator rule
Validator XML	resources/egovframework/validator/com/cop/smt/sdm/EgovDeptSchdulManage.xml	Validator XML for department schedule management
Message properties	resources/egovframework/message/message-common_ko_KR.properties	Message properties for department schedule management
Idgen XML	resources/egovframework/spring/context-idgen.xml	Idgeneration Idgen XML for department schedule management

ID Generation

- To use the ID Generation Service, SCHDUL_IDshould be added to the sequence storage table, COMTECOPSEQ.

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

Related Table

Name	Name (English)	Remarks
Schedule	C OMTNSC HDULINFO	Manages schedules

Related function

Weekly list for department schedule management

Business rule

The pre-registered department schedule management information can be searched as the list format. By clicking register, it will move to the registration screen.

Choose the condition of search and click back or next button to inquire information.

Related codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Search weekly	/cop/smt/sdm/EgovDeptSchdulManageWeekList.mdo	EgovDeptSchdulManageWeekList	"DeptSchdulManage.selectDeptSchdulManageRetrieve"
Schedule	/cop/smt/sdm/EgovDeptSchdulManageRegist.mdo	DeptSchdulManageRegist	
Detailed schedule	/cop/smt/sim/EgovIndvdlSchdulManageDetail.mdo	EgovIndvdlSchdulManageDetail	"IndvdlSchdulManage.selectIndvdlSchdulManageDetail"

The first screen shows the meeting schedule of the week.
Other schedules such as meeting, seminar, lecture, and education can be searched by selecting the condition.

Home:move to home.
Register: move to department schedule management registration screen
Choose Conditions: shows the schedules for date and chosen condition.
Back: Search schedules of the past week
Next: Search schedules of the next week
Schedule: move to the detailed schedule inquiry screen

Daily list for department schedule management

Business rule

The pre-registered department schedule management information can be searched by the list format. By clicking register, it will move to the registration screen. Choose the date and the condition to inquire schedule information.

Related codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Search daily	/cop/smt/sdm/EgovDeptSchdulManageDailyList.mdo	EgovDeptSchdulManageDailyList	"IndvdlSchdulManage.selectIndvdlSchdulManageRetrieve"
Register schedule	/cop/smt/sim/EgovIndvdlSchdulManageRegist.mdo	IndvdlSchdulManageRegist	
Detailed inquiry of	/cop/smt/sim/EgovIndvdlSchdulManageDetail.mdo	EgovIndvdlSchdulManageDetail	"IndvdlSchdulManage.selectIndvdlSchdulManageDetail"
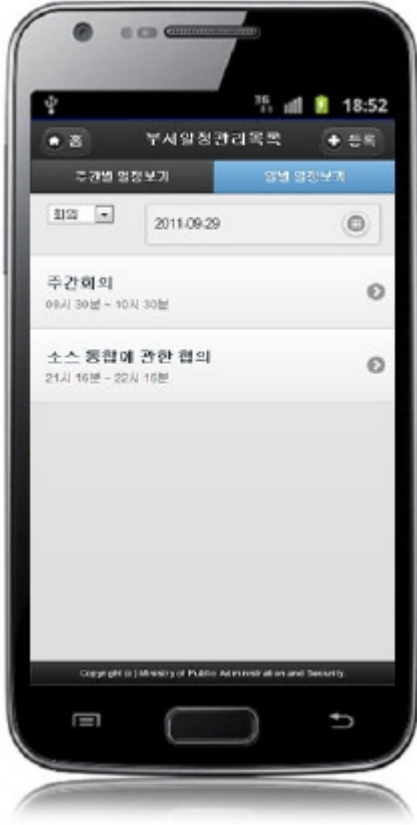
The first screen shows the meeting schedule today.
Other schedules such as meeting, seminar, lecture, and education can be searched by selecting the condition.

Home:move to home.
Register: move to departmentschedule management registration screen
Choose Conditions: shows the schedules for date and chosen condition.
Appoint Dates: shows the schedules for the chosen date and condition
Schedule: move to the detailed department schedule inquiry screen

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Detailed schedule management inquiry

Business rule
This is a screen that is moved from the department schedule management list screen and it displays detailed information on the schedule.
It can move to journal management list inquiry screen as well as update and delete the list and inquire list.

Related codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
List	/cop/smt/sdm/EgovDeptSchdulManageDailyView.mdo	EgovDeptSchdulManageDailyView	
	/cop/smt/sdm/EgovDeptSchdulManageWeekView.mdo	EgovDeptSchdulManageWeekView	
Delete	/cop/smt/sdm/EgovDeptSchdulManageDelete.mdo	EgovDeptSchdulManageDelete	"DeptSchdulManage.deleteDiaryManage"
			"DeptSchdulManage.deleteDeptSchdulManage"
Update	/cop/smt/sdm/EgovDeptSchdulManageModifyView.mdo	DeptSchdulManageModifyView	

Back: move to the department schedule management list or overall schedule list screen
Journal Management: move to the journal management list screen
Update: move to department schedule management screen by clicking the update button on the bottom
Delete: delete by clicking the delete button on the bottom
List: move to the department schedule management list screen

Schedule management registration

Business rule
This inputs and saves basic information on department schedule management. The information on departments and responder input in registration can be chosen from the department list dialog and responder list dialog.

The SCHDUL_IDcolumn in saving is generated automatically given Primary Key ⇒ SCHDUL_ID(20 digits) : SCHDUL_(7 digits) +number
(13 digits) via "egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService"

```
<!--IdGnrService... START-->
<bean name="diaryManageIdGnrService"
        class="egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService"
        destroy-method="destroy">
        <property name="dataSource" ref="dataSource" />
        <property name="strategy" ref="DeptSchdulManageInfotrategy" />
        <property name="blockSize"              value="10"/>
        <property name="table"                  value="COMTECOPSEQ"/>
        <property name="tableName"              value="SCHDUL_ID"/>
</bean>
<bean name="DeptSchdulManageInfotrategy"
        class="egovframework.rte.fdl.idgnr.impl.strategy.EgovIdGnrStrategyImpl">
        <property name="prefix" value="DIARY_" />
        <property name="cipers" value="14" />
        <property name="fillChar" value="0" />
</bean>
<!--IdGnrService... END-->
```

Related code

N/A
Screen and execution manual

Action	URL	Controller method	QueryID
List	/cop/smt/sdm/EgovDeptSchdulManageDailyView.mdo	EgovDeptSchdulManageDailyView	
	/cop/smt/sdm/EgovDeptSchdulManageWeekView.mdo	EgovDeptSchdulManageWeekView	
Save	/cop/smt/sdm/EgovDeptSchdulManageRegistActor.mdo	DeptSchdulManageRegistActor	"DeptSchdulManage.insertDeptSchdulManage"
Dialogue	/uss/olp/mgt/EgovMeetingManageLisAuthorGroupPopupView.mdo	EgovMeetingManageLisAuthorGroupPopupView	
	/uss/olp/mgt/EgovMeetingManageLisEmpLyrPopupView.mdo	EgovMeetingManageLisEmpLyrPopupView	

Back: Move to department schedule management list screen
Save: input department schedule management information is stored
List: move to department schedule management list screen

Updateschedule management

Business rule

Stores updated department schedule management information. The information on departments and responder input in registration can be chosen from the department list dialog and

responder list dialog.

Related codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
List	/cop/smt/sdm/EgovDeptSchdulManageDailyView.mdo	EgovDeptSchdulManageDailyView	
	/cop/smt/sdm/EgovDeptSchdulManageWeekView.mdo	EgovDeptSchdulManageWeekView	
Save	/cop/smt/sdm/EgovDeptSchdulManageModifyActor.mdo	DeptSchdulManageModifyActor	"DeptSchdulManage.updateDeptSchdulManage"
Dialogue	/uss/olp/mgt/EgovMeetingManageLisAuthorGroupPopupView.mdo	EgovMeetingManageLisAuthorGroupPopupView	
	/uss/olp/mgt/EgovMeetingManageLisEmpLyrPopupView.mdo	EgovMeetingManageLisEmpLyrPopupView	

Back: Move to department schedule management list screen
Update: updated department schedule management information is stored
List: move to department schedule management list 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 department schedule management (existing web version):Department schedule management
- Refer to operation environment : ID Generation Service
- Distribution and testing : Mobile Common Component Systemand distribution package composition