User support – Online Poll

Summary

Online Poll service allows the user to participate in short surveys provided frequently in the site.

If the user votes, the service provides a function that shows the results and statistics.

Online Poll service is a mobile common component developed based on HTML5, jQuery and jQM(jQuery Mobile).

For details, refer to Mobile Execution Environment Guide Guide [http://www.egovframe.go.kr/html/egovframework/mbl/mguide/mguide.html].

The component-related CSSs include EgovMobile.css (provided as standard), egovBoard.css and ussCommon.css..

In addition, jAlert , which is supported in common, is used and it is defined in the following js file.

EgovMobile.js

Subjects of Support

This component has been developed and tested on the browsers available in the mobile devices.

Since the browser support is different depending the device (PC or mobile device), development and application should be carefully carried out.

The test devices include Galaxy S2, Galaxy S, Galaxy Tab, IPad2 and IPhone 4.

The test mobile browsers include Android basic browser, Firefox, Safari and Opera Mobile.

Android

The test devices include Galaxy S2, Galaxy S and Galaxy Tab.

The test mobile browsers include Android basic browser, Firefox(6.xx) and Opera Mobile browser.

Android OS 2.3 (GengerBread): The execution of HTML5, CSS3 and components is supported stably.

Android OS 2.1 (Eclair), 2.2 (Froyo): The support for HTML5, CSS3 is not sufficient to implement the component UI properly.

However, Opera Mobile was excluded from the support as it caused some problems with handling colors and events.

iOS

iPhone4 and iPad2 were used for testing.

iOS 4.2, 4.3 both version supported HTML5 and CSS3 relatively well.

Flow chart

Description

Online Poll is largely composed of Online Poll participation list inquiry , Online Poll participation registration and Online Poll participation statistics.

Class diagram



Relate sources

ID Generation

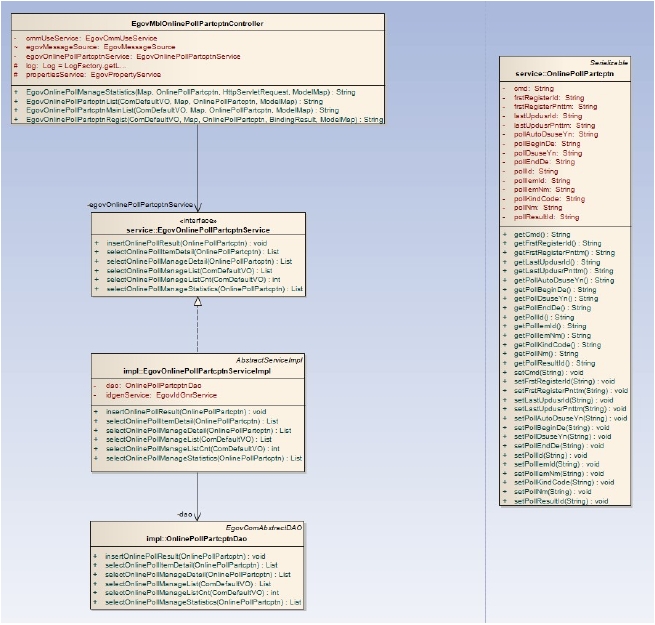
To use ID Generation Service, add SCHDUL\_ID entry to COMTECOPSEQ, the Sequence storing table.

CREATE TABLE COMTECOPSEQ ( table\_name varchar(16) NOT NULL,

next\_id DECIMAL(30) NOT NULL,

PRIMARY KEY (table\_name));

INSERT INTO COMTECOPSEQ VALUES('POLL\_MGR\_ID','0');



|  |  |  |
| --- | --- | --- |
| Types | Source names | Notes |
| Controller | egovframework.com.uss.olp.opp.web.EgovOnlinePollPartcptnC ontroller.java | Online Poll Participation Controller Class |
| Controller | egovframework.com.uss.olp.opp.web.EgovMblOnlinePollPartcptnC ontroller.java | Online Poll Participation Mobile Controller Class |
| Service | egovframework.com.uss.olp.opp.service.EgovOnlinePollPartcptnService.java | Online Poll Participation Service C lass |
| VO | egovframework.com.uss.olp.opp.service.OnlinePollPartcptn.java | Online Poll Participation VO C lass |
| VO | egovframework.com.uss.olp.opp.service.OnlinePollItem.java | Online Poll Item VO C lass |
| VO | egovframework.com.cmm.C omDefaultVO.java | Search VO C lass |
| ServiceImpl | egovframework.com.uss.olp.opp.service.impl.EgovOnlinePollPartcptnServiceImpl.java | Online Poll Participation ServiceImpl Class |
| DAO | egovframework.com.uss.olp.opp.service.impl.OnlinePollPartcptnDao.java | Online Poll Participation Dao C lass |
| JSP | /WEB-INF/jsp/egovframework/uss/olp/opp/EgovOnlinePollPartcptnList.jsp | Online Poll Participation List Inquiry Page |
| JSP | /WEB-INF/jsp/egovframework/uss/olp/opp/EgovOnlinePollPartcptnRegist.jsp | Online Poll Participation Registration Page |
| JSP | /WEB-INF/jsp/egovframework/uss/olp/opp/EgovOnlinePollPartcptnStatistics.jsp | Online Poll Participation Statistics Page |
| JSP | /WEB-INF/jsp/egovframework/mbl/com/uss/olp/opp/EgovOnlinePollPartcptnList.jsp | Online Poll Mobile List Inquiry Page |
| JSP | /WEB-INF/jsp/egovframework/mbl/com/uss/olp/opp/EgovOnlinePollPartcptnRegist.jsp | Online Poll Mobile Registration Page |
| JSP | /WEB-INF/jsp/egovframework/mbl/com/uss/olp/opp/EgovOnlinePollPartcptnStatistics.jsp | Online Poll Mobile Statistics Page |
| QUERY XML | /egovframework/sqlmap/com/uss/olp/opp/EgovOnlinePollPartcptn.xml | Online Poll Participation QUERY XML |
| Validator Rule XML | resources/egovframework/validator/validator-rules.xml | XML that defines Validator Rule |
| Validator XML | resources/egovframework/validator/com/uss/olp/opp/EgovOnlinePollPartcptn.xml | Online Poll Participation Validator XML |
| Message properties | resources/egovframework/message/message-common\_ko\_KR.properties | Online Poll Participation Message properties |
| Idgen XML | resources/egovframework/spring/context-idgen.xml | Online Poll Participation Id Generation Idgen XML |

CREATE TABLE COMTECOPSEQ ( table\_name varchar(16) NOT NULL,

next\_id DECIMAL(30) NOT NULL,

PRIMARY KEY (table\_name));

INSERT INTO COMTECOPSEQ VALUES('POLL\_IEM\_ID','0');

CREATE TABLE COMTECOPSEQ ( table\_name varchar(16) NOT NULL,

next\_id DECIMAL(30) NOT NULL,

PRIMARY KEY (table\_name));

INSERT INTO COMTECOPSEQ VALUES('POLL\_RUT\_ID','0');

Related tables

|  |  |  |
| --- | --- | --- |
| Table name | Table name(English ) | Notes |
| Online Poll Management | C OMTNOnlinePollPartcptn | Manage Online Poll. |
| Online Poll Items | C OMTNONLINEPOLLITEM | Manage Online Poll items. |
| Online Poll Results | C OMTNONLINEPOLLRESULT | Manage Online Poll Results. |

Related codes

|  |  |  |  |
| --- | --- | --- | --- |
| Code classification | Code classification names | Code ID | Code name |
| C OM039 | Online Poll | 001 | Society |
| C OM039 | Onaline Poll | 002 | Politics |
| C OM039 | Online Poll | 003 | Economy |
| C OM039 | Online Poll | 004 | Culture |
| C OM039 | Online Poll | 005 | Humane study |
| C OM039 | Online Poll | 006 | Engineering |
| C OM039 | Online Poll | 007 | Others |

Related functions

Online Poll Participation list inquiry

Business rules

Online Poll participants can retrieve the registered questionnaire survey participation information in a list format.

Click a list to move to Online Poll Participation registration screen. Click the inquiry image on the right to move to Online Poll Participation statistics screen.

Use the POLL names as search conditions.

Related codes

N/A

Screen and execution manual



|  |  |  |  |
| --- | --- | --- | --- |
| Action | URL | Controller method | QueryID |
| Inquiry | /uss/olp/opp/listEgovOnlinePollPartcptnMain.mdo | EgovOnlinePollPartcptnMainList | “OnlinePollPartcptn.selectOnlinePollManageList” |
| Registration | /uss/olp/opp/registOnlinePollPartcptn.mdo | EgovOnlinePollPartcptnRegist | “OnlinePollPartcptn.selectOnlinePollManageDetail” |
|  |  |  | “OnlinePollPartcptn.selectOnlinePollItem” |
| Statistics | /uss/olp/opp/statisticsOnlinePollPartcptn.mdo | EgovOnlinePollManageStatistics | “OnlinePollPartcptn.selectOnlinePollManageDetail” |
|  |  |  | “OnlinePollPartcptn.selectOnlinePollItem” |
|  |  |  | “OnlinePollPartcptn.selectOnlinePollPartcptnStatistics” |

Home: moves to Home screen.

Search: in order to retrieve Online Poll Participation lists, select search conditions at the top, enter a key word and click Search button.

Click list: moves to Online Poll participation screen.

Inquiry image: Online Poll participation statistics screen.

Online Poll Participation registration

Business rules

Register the selections of the participants for each question of Online Poll and if registered successfully, you will be moved to Online Poll Participation list inquiry screen.

When stored, SCHDUL\_ID column uses “egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService” to receive Primary Key ⇒ POLLRUT\_(20 digits):

SCHDUL\_(7 digits) + serial number (13 digits) automatically.

<!-- IdGnrService... START-->

<bean name="egovOnlinePollResultIdGnrService"

class="egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService"

destroy-method="destroy">

<property name="dataSource" ref="dataSource" />

<property name="strategy" ref="onlinePollResultMsgtrategy" />

<property name="blockSize"

<property name="table"

<property name="tableName"

value="1"/>

value="COMTECOPSEQ"/>

value="POLL\_RUT\_ID"/>

</bean>

<bean name="onlinePollResultMsgtrategy"

class="egovframework.rte.fdl.idgnr.impl.strategy.EgovIdGnrStrategyImpl">

<property name="prefix" value="POLLRUT\_" />

<property name="cipers" value="12" />

<property name="fillChar" value="0" />

</bean>

<!-- IdGnrService... END-->

Related codes

N/A

Screen and execution manual

|  |  |  |  |
| --- | --- | --- | --- |
| Action | URL | Controller method | QueryID |
| Register | /uss/olp/opp/registOnlinePollPartcptn.mdo | EgovOnlinePollPartcptnRegist | “OnlinePollPartcptn.insertOnlinePollResult” |
| List | /uss/olp/opp/listEgovOnlinePollPartcptnMain.mdo | EgovOnlinePollPartcptnMainList | “OnlinePollPartcptn.selectOnlinePollManageList” |



Back: moves to Online Poll participation list inquiry screen.

Register: the entered Online Poll Participation information is stored.

List: moves to Online Poll participation list inquiry screen.

Online Poll Participation statistics

Business rules

Show information on each item of Online Poll in the graph form.

Related codes

N/A

Screen and execution manual



|  |  |  |  |
| --- | --- | --- | --- |
| Action | URL | Controller method | QueryID |
| List | /uss/olp/opp/listEgovOnlinePollPartcptnMain.mdo | EgovOnlinePollPartcptnMainList | “OnlinePollPartcptn.selectOnlinePollManageList” |

Back: moves to Online Poll participation list inquiry screen.

List: moves to Online Poll participation list inquiry screen.

Settings and Notes

\* The currently distributed mobile common component adopts HTML5 and CSS3 and this means that it doesn’t support the standards for mobile web site validity check of Mobile OK and W3C. For details on correct validity check, please contact the competent professional institute.

\* Security verification is under progress on the currently distributed mobile component. We plan to complete security verification as soon as possible to release a new security-patched version.

References

Refer to Online Poll Management (existing web version): Online Poll Management

Refer to Online Poll Participation(existing web version): Online Poll Participation

Refer to the execution environment: ID Generation Service

Distribution and test: Mobile Common Component System and distribution package plan

