Summary

Questionnaire Survey service provides a function for the participants to inquire questionnaire lists, a function to register the answers and a statistics function to check the results and statistics data.

 Questionnaire Survey is a mobile common component developed based on HTML5, jQuery and jQM(jQueryMobile).

 For details, refer to Mobile Execution

 Environment GuideGuide [http://www.egovframe.go.kr/html/egovframework/mbl/mguide/mguide.html].

Thecomponent-related CSSs include EgovMobile.css (provided as standard), egovBoard.css and ussCommon.css.In addition, jAlert and jPassword, whichare supported in common, is used and it is defined in the following js file.

- EgovMobile.js
- EgovCom.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.

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Flow chart

| 긴능명 | 기능 흐름 | | | | | |
|---------|-------------|--------------|------------|------|---------------|-------------|
| 설문템플릿관리 | 관리자 로그인 | 성문템플릿 등록 | | | | |
| 설문관리 | 설문템플릿 선택 | 섬문정보 등록 - | | | | |
| 질문관리 | | 성문문함 등록 - | | | | |
| 항목관리 | | 담변향목 등록 | | 성문조사 |) | |
| 설문조사 | | | 사용자 로그인 | 신문조사 | 설문 답변등록 | 설문결과 조회 |
| 응답자관리 | | | | 조외 | 설문참여자 정보등록 | 설문참여자 조회 |

1. Register the questionnaire template

| | Enter and register basic information for questionnaire template; deciding on the questionnaire type |
|---|---|
| 2 | . Register the questionnaire |
| ï | Select the questionnaire template. Enter and register basic information for questionnaire template |

3. Register questionnaire questions

| Select questionnaire information, and enter and register questionnaire question basic information. | |
|---|--|
| 4. Register questionnaire items | |
| Select questionnaire information and questionnaire item information, and enter and register questionnaire item basic information. | |
| 5. Participate in the questionnaire | |
| In the questionnaire participation registration, reply to Questionnaire Survey. Use the questionnaire participation statistics to check the results. | |
| 6. Check the Questionnaire Survey (results) | |
| Check the questionnaire survey results. | |
| 7. Check the Questionnaire replier management results | |
| Check the Questionnaire replier management results. | |

Description

Questionnaire Survey is largely composed of questionnaire participation list inquiry, questionnaire participation registration and questionnaire statistics.

Class diagram

| EgovMbiQustnrRespondinfoController | |
|---|---|
| Egor/Qustin/Respond info/ManageList/ComDefaultVC, Map, Model/Lap) : ModelAndView Egor/Qustin/Respondinfo/ManageList/Jew/GomDefaultVC, HitpServletRequest, HitpServletResponse, Map, ModelWa Egor/Qustin/Respondinfo/ManageTagia/ComDefaultVC, Map, ModelWap) : String Egor/Qustin/Respondinfo/ManageTagia/ComDefaultVC, HitpServletRequest, Map, ModelMap) : String Egor/Qustin/Respondinfo/ManageTamplate(ComDefaultVC), HitpServletRequest, Map, ModelMap) : String Egor/Qustin/Respondinfo/ManageTamplate(ComDefaultVC), HitpServletRequest, Map, ModelMap) : String Egor/Qustin/Respondinfo/ManageTamplate(ComDefault/VC), HitpServletRequest, Map, ModelMap) : String | (p): String (p): S |
| eigen Quann Respondin/o Service einter Sevice: Ego vQuant Respondin/o Service edutorQuartin Respondin/o Quant Respondin/VO): void internQuartin Respondin/o Quant Respondin/VO): void edutorQuartin Respondin/O (2000 Respondin/VO): List exelectQuartinRespondin/O (2000 Respondin/VO): List exelectQuartinRespondin/VO): List | <pre>+ getEnAnswerCn(): String = getFinitRegisterBritin(): String + getEnstRegisterBritin(): String + getLastUpdierd(): String + getCestInCestopolid(): String + getCestInCestopolid(): String = getCestInCestopolid(): String + getCestInCestopolid(): String = getCestInt(): String + getCestInt(): String = getCestInt(): String + getRespondAntexetCh(): String + getRespondAntexetCh(): String + getRespondAntexetCh(): String + getRespondAntexetCh(): String + getRespondAntexetCh(): String + getRespondAntexetCh(): String + setFistRegisterHttm(String): void + setFistRegisterHttm(String): void + setCestInd(String): void + setCestInd(String): void + setCestInd(String): void + setCestInd(String): void + setCestInd(String): void + setCestInd(String): void + setRespondAntexetCh(String): void + setRespondA</pre> |
| AbstractService.impl impl::Ego vQustnrRespondInfo Service.impl - dec: DasterRespondInfo@service.impl - idgesService: EgorvGorService + deleteQustnrRespondInfo(QustnrRespondInfoVO): void + intranCustnrRespondInfo(QustnrRespondInfoVO): void + marchustnrRespondInfo(QustnrRespondInfoVO): void + marchustnrRespondInfo(QustnrRespondInfoVO): void + marchustnrRespondInfoLattricComDetautVO): List + celesrQustnrRespondInfoLattricComDetautVO): List + celesrQustnrRespondInfoLattricComDetautVO): List + celesrQustnrRespondInfoVangeComtragestraminfo(Map): List + celesrQustnrRespondInfoVangeQuertrageVortragestraminfoVIsp): List + celesrQustnrRespondInfoVangeQuertrageVortragestraminfoVIsp): List + celesrQustnrRespondInfoVangeQuertrageVortrageStantifics(VID): List + celesrQustnrRespondInfoVangeQuertrageVortra | Egov/Con4AstractDAO impl::QuetarRespondinfoBac + deleteQuistriRespondinfoQuistriRespondinfoVO): vold + inserRustriRespondinfoQuistriRespondinfoVO): vold + calacoQuetinflexpondinfoQuistriRespondinfoVO): List + weierQuetinflexpondinfoQuistriRespondinfoVO): List + selectQuetinflexpondinfoVIangoCompetitivO): List + selectQuetinflexpondinfoVIangoCompetitivO): List + selectQuetinflexpondinfoVIangoCompetitivO): List + selectQuetinflexpondinfoVIangoCompetitivO): List + selectQuetinflexpondinfoVIangoEmplyinfoVIas): Map + selectQuetinflexpondinfoVIangoEmplyinfoVIas): Map + selectQuetinflexpondinfoVIangoEmplyinfoVIas): List + selectQuetinflexpondinfoVIangoEstaticto: II(Van): List + selectQuetinflexpondinfoVIangeEstaticto: II(Van): List + selectQuetinflexpo |

Related sources

| Types | Source name | Remark | |
|-------------|--|--------------------------------------|------------------|
| C ontroller | egovframework.com.uss.olp.qri.web.EgovQustnrRespondInfoC ontroller.java | Questionnaire Participation C ontrol | er C lass |
| C ontroller | egovframework.mbl.com.uss.olp.qri.web.EgovMblQustnrRespondInfoC ontroller.java | Questionnaire Participation Mobile C | ontroller C lass |
| Service | egov framework.com.uss.olp.qri.service.Egov QustnrRespondInfoService.java | Questionnaire Participation Service | C lass |
| VO | egovframework.com.uss.olp.qri.service.QustnrRespondInfoVO.java | Questionnaire Participation VO C las | s |
| VO | egovframework.com.cmm.C omDefaultVO.java | Search VO C lass | |
| | | (2) | |

| ServiceImpl | egovframework.com.uss.olp.gri.service.impl.EgovQustnrRespondInfoServiceImpl.java | Questionnaire ParticipationServiceImpl | C lass |
|------------------------|--|---|---------------|
| DAO | egovframework.com.uss.olp.qri.service.impl.QustnrRespondInfoDao.java | Questionnaire Participation Dao C lass | |
| JSP | /WEB-INF/jsp/egovframework/com/uss/olp/qnn/EgovQustnrRespondInfoList.jsp | Questionnaire Participation List Inquiry | Page |
| JSP | /WEB-INF/jsp/egovframework/com/uss/olp/qnn/EgovQustnrRespondInfoRegist.jsp | Questionnaire Participation Registration | n Page |
| JSP | $/ {\sf WEB-INF/jsp/egov} framework/com/uss/olp/qnn/EgovQustnrRespondInfoManageStatistics.jsp (a) and (b) and (c) and ($ | Questionnaire Participation Statistics Pa | age |
| JSP | /WEB-INF/jsp/egovframework/mbl/com/uss/olp/qnn/EgovQustnrRespondInfoManageList.jsp | Questionnaire Participation List Inquiry | Mobile Page |
| JSP | $/{\tt WEB-INF/jsp/egov} framework/mbl/com/uss/olp/qnn/EgovQustnrRespondInfoManageRegist.jsp \label{eq:gov} is the second $ | Questionnaire Participation Registration | n Mobile Page |
| JSP | /WEB-INF/jsp/egovframework/mbl/com/uss/olp/qnn/EgovQustnrRespondInfoManageStatistics.jsp Questionnair | Participation Statistics Mobile Page | |
| QUERY XML | /egovframework/sqlmap/com/uss/olp/qri/EgovQustnrRespondInfo.xml | Questionnaire Participation QUERY XML | - |
| Validator Rule XML res | ources/egovframework/validator/validator-rules.xml | XML that defines Validator Rule | |
| Validator XML | resources/egovframework/validator/com/uss/olp/qri/EgovQustnrRespondInfo.xml | Questionnaire Participation Validator XN | ML |
| Message properties re | sources/egovframework/message/message-common_ko_KR.properties | Questionnaire Participation Message pro | operties |
| Idgen XML | resources/egovframework/spring/context-idgen.xml | Questionnaire Participation Id Generatio | onIdgen XML |

Related tables

| Table names | Table name | Notes |
|------------------------|--------------------|-----------------------------------|
| Questionnaire template | C OMTNQUSTNRTMPLAT | Retrieve Questionnaire template. |
| Questionnaire | C OMTNQESTNRINFO | Retrieve Questionnaire Management |
| Questionnaire question | C OMTNQUSTNRQESITM | Retrieve Questionnaire question |
| Questionnaire item | C OMTNQUSTNRIEM | Retrieve Questionnaire item |
| Questionnaire results | С | Retrieve Questionnaire results |

Related codes

| Code | Code classification name | Code ID | Code name |
|---------|--------------------------|---------|-----------|
| C OM014 | Gender code | М | Man |
| C OM014 | Gender code | F | Woman |
| C OM034 | Work type code | 1 | Student |
| C OM034 | Work type code | 2 | College |
| C OM034 | Work type code | 3 | Soldier |
| C OM034 | Work type code | 4 | Teacher |
| C OM034 | Work type code | 5 | Others |

Validator

Manual

Questionnaire Participation List Inquiry

Business rules

The questionnaire participants can retrieve the registered Questionnaire Participation information in a list format. Click a list to move to Questionnaire Participation Registration screen. Click the inquiry image on the right to move to Questionnaire Statistics Screen. Use the questionnaire titles as search conditions.

Related codes

N/A

Screen and execution manual

| Action | URL | Controller method | QueryID |
|------------|--|---------------------------------------|---|
| Inquiry | /uss/olp/qnn/EgovQustnrRespondInfoManageList.mdo | EgovQustnrRespondInfoManageList | "QustnrRespondInfoManage.selectQustnrRespondInfoManage" |
| Click list | /uss/olp/qnn/EgovQustnrRespondInfoManageRegist.mdo | EgovQustnrRespondInfoManageRegist | |
| | /uss/olp/qri/template/template.mdo | EgovQustnrRespondInfoManageTemplate | |
| Satitstics | /uss/olp/qnn/EgovQustnrRespondInfoManageStatistics.mdo | EgovQustnrRespondInfoManageStatistics | |

10 Questionnaire Survey participation lists are retrieved per page and paging is carried out on one page basis.



Home: moves to Home screen.

Search: in order to retrieve the Questionnaire Participation list, select the search conditions at the top, enter key word and click the Search button. Click list: moves to Questionnaire Participation Registration screen.

Inquiry image: moves to Questionnaire Participation Statistics screen.

Questionnaire Participation Registration

Business rules

Register basic information of questionnaire participants and their answers to the questions. If registered successfully, you will be moved to Questionnaire Participation List Inquiry screen.

The Questionnaire Participation Registration, when the administrator registers a questionnaire list, uses the selected template file. (the file is found in /WEB-INF/jsp/egovframework/mbl/com/uss/olp/qri/.) When stored, the QESRSPNS_ID column uses "egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService" to receive Primary Key \Rightarrow QESRSPNS_ID(20 digits): QRSPNS_(7 digits) +

When stored, the QESRSPNS_ID column uses "egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService" to receive Primary Key⇒ QESRSPNS_ID(20 digits): QRSPNS_(7 digits) + Serial number (13 digits) automatically.

| IdGnrService START | 1 |
|---|----|
| <pre><bean <="" name="oustnrRespondInfoIdGnrService" pre=""></bean></pre> | |
| class="egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService" | ÷ |
| destroy-method="destroy"> | 1 |
| <property name="dataSource" ref="dataSource"></property> | 1 |
| <property name="strategy" ref="QustnrRespondInfotrategy"></property> | |
| <property name="blockSize" value="10"></property> | |
| <property name="table" value="COMTECOPSEQ"></property> | |
| <pre><property name="tableName" value="QESRSPNS_ID"></property></pre> | |
| | 1 |
| <pre><bean <="" name="QustnrRespondInfotrategy" pre=""></bean></pre> | |
| class="egovframework.rte.fdl.idgnr.impl.strategy.EgovIdGnrStrategyImpl"> | 1 |
| <pre><pre>roperty name="prefix" value="QRSPNS_" /></pre></pre> | |
| <pre><pre>cyproperty name="cipers" value="13" /></pre></pre> | |
| <property name="fillChar" value="0"></property> | i. |
| | |
| . < ŀ IdGn/Sarvice,END-=> | : |
| | |

Related codes

N/A

Screen and execution manual

| Action | URL | Controller method | QueryID |
|--------|---|--|---|
| List | /uss/olp/qnn/EgovQustnrRespondInfoManageListView.mdo | EgovQustnrRespondInfoManageListView | |
| Store | /uss/olp/qnn/EgovQustnrRespondInfoManageRegistActor.mdo | EgovQustnrRespondInfoManageRegistActor | "QustnrRespondInfoManage.insertQustnrRespondInfo" |



Back: moves to Questionnaire Participation list inquiry screen. Registration: the entered Questionnaire Participation information is stored. List: moves to Questionnaire Participation list inquiry screen.

Questionnaire Statistics

Business rules

Show results per question and statistical data in the graphic format.

Related codes

N/A

Screen and execution manual

Questionnaire Participation Statistics

| Action | URL | Controller method | QueryID |
|--------|--|---------------------------------------|--|
| List | /uss/olp/qnn/EgovQustnrRespondInfoManageStatistics.mdo | EgovQustnrRespondInfoManageStatistics | "QustnrRespondInfo.selectQustnrTmplatManages" |
| | | | "QustnrRespondInfo.selectQustnrRespondInfoManageComtnqestnrinfo" |
| | | | "QustnrRespondInfo.selectQustnrRespondInfoManageComtnqustnrqesitm" |
| | | | "QustnrRespondInfo.selectQustnrRespondInfoManageComtnqustnriem" |
| | | | "QustnrRespondInfo.selectQustnrRespondInfoManageStatistics1" |
| | | | "QustnrRespondInfo.selectQustnrRespondInfoManageStatistics2" |



Back: moves to Questionnaire Participation list inquiry screen. List: moves to Questionnaire 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

References

version.

- Refer to Questionnaire Template Management (existing web version): <u>Questionnaire Template Management</u>
- Refer to Questionnaire Management (existing web version): <u>Questionnaire Management</u>
- Refer to Questionnaire Question Management (existing web version): <u>Questionnaire Question Management</u>
- Refer to Questionnaire Item Management (existing web version): <u>Questionnaire Item Management</u>
- Refer to Questionnaire Responder Management (existing web version): <u>Questionnaire Responder Management</u>
- Refer to Questionnaire Survey(results) Management (existing web version): <u>Questionnaire Survey(results) Management</u>
- Refer to Questionnaire Participation (existing web version): <u>Questionnaire Participation</u>
- Distribution and test: Mobile Common Component System and distribution package plan