User support- Word Dictionary

Summary

Word Dictionary service provides a function that searches for and looks up professional terms registered in the dictionary for business.

Word Dictionary service is a mobile common component developed based on HTML5, jQuery and jQM(jQueryMobile).
For details, please refer to the Mobile   GuideGuide[http://www.egovframe.go.kr/html/egovframework/mbl/mguide/mguide.html]
Execution Environment

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.
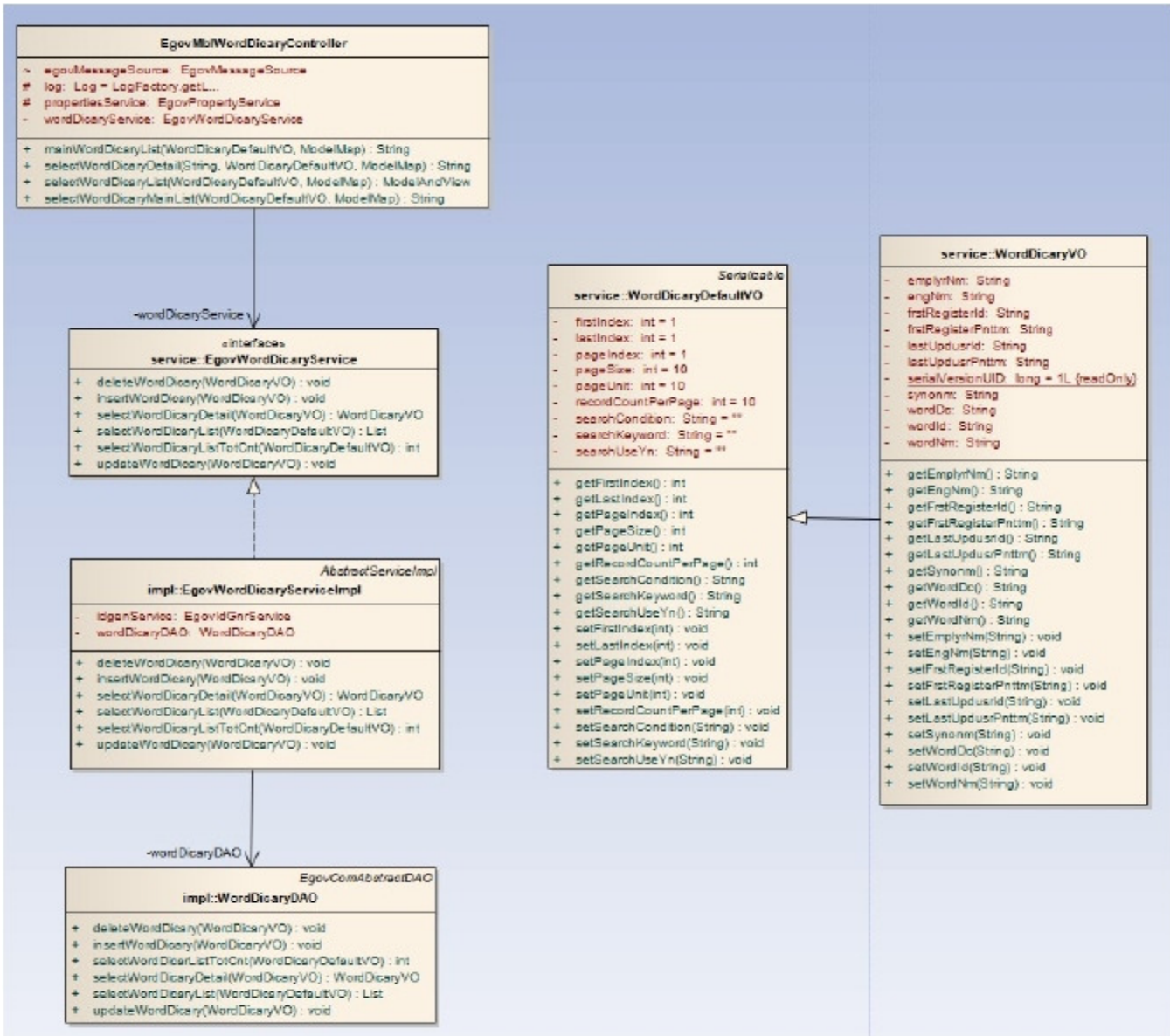
Flow chart

Description

Word Dictionary is largely composed of the Word Dictionary list inquiry and the Word Dictionary detail inquiry.

Class diagram

Sources

Types	Source names	Notes
C ontroller	egovframework.com.uss.olh.wor.web.EgovWordDicaryC ontroller.java	Controller class for Glossary management
C ontroller	egovframework.mbl.com.uss.olh.wor.web.EgovMblWordDicaryC ontroller.java	Mobile controller class for Glossary management
Service	egovframework.com.uss.olh.wor.service.EgovWordDicaryService.java	Service interface for Glossary management
ServiceImpl	egovframework.comuss.olh.wor.service.impl.EgovWordDicaryServiceImpl.java	Service implementation class for Glossary management
VO	egovframework.com.uss.olh.wor.service.WordDicaryVO.java	VO class for Glossary management
VO	egovframework.com.uss.olh.wor.service.WordDicaryDefaultVO.java	SearchVOclass for Glossary management
DAO	egovframework.com.uss.olh.wor.service.imp.WordDicaryDAO.java	Data process class for Glossary management
JSP	/WEB-INF/jsp/egovframework/com/uss/olh/wor/EgovWordDicaryListInqire.jsp	List inquiry page for Glossary management
JSP	/WEB-INF/jsp/egovframework/com/uss/olh/wor/EgovWordDicaryDetailInqire.jsp	Detail inquiry page for Glossary management
JSP	/WEB-INF/jsp/egovframework/com/uss/olh/wor/EgovWordDicaryRegist.jsp	Registration page for Glossary management
JSP	/WEB-INF/jsp/egovframework/com/uss/olh/wor/EgovWordDicaryUpdt.jsp	Modification page for Glossary management
JSP	/WEB-INF/jsp/egovframework/mbl/com/uss/olh/wor/EgovWordDicaryListInqire.jsp	Mobile list inquiry page for Glossary management
JSP	/WEB-INF/jsp/egovframework/mbl/com/uss/olh/wor/EgovWordDicaryDetailInqire.jsp	Mobile detail inquiry page for Glossary management
Query XML	resources/egovframework/sqlmap/com/uss/olh/wor/EgovWordDicary_SQL.xml	Query XMLfor Glossary management (inquiry, registration, modification and deletion)
Validator Rule XML	resources/egovframework/validator/validator-rules.xml	XML that defines Validator Rule
Validator XML	resources/egovframework/validator/com/uss/olh/wor/EgovWordDicary_SQL.xml	Validator XMLfor Glossary management
Message properties	resources/egovframework/message/message-common_ko_KR.properties	Message propertiesfor Glossary management
Idgen XML	resources/egovframework/spring/context-idgen.xml	Id generationIdgen XMLfor Glossary management

Related tables

Table name	Table name (English)	Notes
Glossary information	C OMTNWORDDIC ARYINFO	Glossary information

Related functions

Word Dictionary list inquiry

Business rules

The user can inquire for a list which is composed of titles, English titles, authors and dates of registration.
Clicking the list moves the user to the Word Dictionary detail inquiry screen.

Related Codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Inquiry	/uss/olh/wor/WordDicaryListInqireActor.mdo	selectWordDicaryList	"WordDicaryDAO.selectWordDicaryList_D"
			"WordDicaryDAO.selectWordDicaryListTotCnt_S"
Click list	/uss/olh/wor/WordDicaryDetailInqire.mdo	selectWordDicaryDetail	"WordDicaryDAO.selectWordDicaryDetail_S"

10 entries are retrieved per page and paging is carried out in a page basis.

Home: moves to the Home screen.
Search: select the search conditions, enter a keyword and click the Search button.
Click list: moves to Word Dictionary detail inquiry screen.

Word Dictionary detail inquiry

Business rules

Clicking the list in the Word Dictionary detail inquiry screen moves the user to this screen. It shows detailed information on the Word Dictionary.
On the Word Dictionary detail inquiry, click a list to retrieve the list on the Word Dictionary.

Related code

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
List	/uss/olh/wor/WordDicaryListInqire.mdo	selectWordDicaryList	

Back: moves to the Word Dictionary list inquiry screen.
List: moves to the Word Dictionary 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 MobileOK 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.

Reference

- Refer to the Word Dictionary management (existing web version): Word Dictionary management
- Distribution and test: Mobile Common Component System and distribution package plan