**Interface Design**

Admission system

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# **Revision**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Version** | **Update date** | **Author** | **Content** |
| 1 | 1.0 | 25/1/2014 | Phu Ta | Create Document |

Table 1: Revision history

# **Introduction**

## Purpose of document

Interface document describe interfaces that is designed in architecture document

# **Interface Design**

## Dictionary display system



### Update dictionary

|  |  |
| --- | --- |
| Element Name | Update dictionary |
| Perspective | Dynamic |
| Interface sematic | Update dictionary support dictionary display system to receive question that is sent from dictionary management system, update question to database and update index file |
| Provide | * Provide service to receive request about update dictionary |
| Require | * Dictionary Management System provide question that is replied and inserted to dictionary |
| Pre-condition | * Question have to replied and inserted to dictionary |
| Post-condition | * Question that is sent from DMS to DDS have to created on Internet DB * Index file have to updated |

### Search question

|  |  |
| --- | --- |
| Element Name | Search question |
| Perspective | Dynamic |
| Interface sematic | Search question support DDS search question and return result to “Display” |
| Provide | * Provide service to received keyword from “Display” |
| Require | * “Display” provide keyword |
| Pre-condition | * Only search question that inserted to dictionary |
| Post-condition | * Result have to return to “Display” |

### Create question

|  |  |
| --- | --- |
| Element Name | Create question |
| Perspective | Dynamic |
| Interface sematic | Create question support user who want send question to answer department |
| Provide | * Provide service to received information about question of users and send this question to DMS |
| Require | * “Display provide information of question |
| Pre-condition | * DDS provide interface to users can send question |
| Post-condition | * Question have to send to DMS |

## Dictionary management system



### Create Index File

|  |  |
| --- | --- |
| Element Name | Create Index File |
| Perspective | Dynamic |
| Interface sematic | Create Index File support for system manager can create index file |
| Provide | * Provide service to receive create index request from “Display” |
| Require | * “Display” require create index file |
| Pre-condition | * System manager want to create new index file |
| Post-condition | * Index file is created |

### Insert question

|  |  |
| --- | --- |
| Element Name | Insert question |
| Perspective | Dynamic |
| Interface sematic | Insert question support for system manager can insert question to dictionary |
| Provide | * Provide service to receive Insert Question request from “Display” |
| Require | * “Display” provide question that need insert to dictionary |
| Pre-condition | * Question have to replied |
| Post-condition | * Question is inserted to dictionary |

### Reply question

|  |  |
| --- | --- |
| Element Name | Reply question |
| Perspective | Dynamic |
| Interface sematic | Reply question support answer department can reply question of users |
| Provide | * Provide service to receive answer from “Display” * Provide answer to “Email server” |
| Require | * “Display” provide answer |
| Pre-condition | * Question haven’t to reply |
| Post-condition | * Answer have to send to users |

### Drop question

|  |  |
| --- | --- |
| Element Name | Drop question |
| Perspective | Dynamic |
| Interface sematic | Drop question support system manager can drop question from dictionary |
| Provide | * Provide service to receive drop question request from “Display” |
| Require | * “Display” provide question that need drop |
| Pre-condition | * Question have to insert to dictionary |
| Post-condition | * Question is drop from dictionary |

### Save question

|  |  |
| --- | --- |
| Element Name | Save question |
| Perspective | Dynamic |
| Interface sematic | Save question support for DMS the ability to save question when DDS send question to DMS |
| Provide | * Provide service to require save question from DDS |
| Require | * DDS provide information of question |
| Pre-condition | * Question don’t have answer |
| Post-condition | * Question is saved on Intranet DB |

### Delete question

|  |  |
| --- | --- |
| Element Name | Delete question |
| Perspective | Dynamic |
| Interface sematic | Delete question support system manager the ability to delete question |
| Provide | * Provide service to receive request delete question from “Display” |
| Require | * “Display” provide question that need delete |
| Pre-condition | * Question have to created |
| Post-condition | * Question is deleted |

### Search question

|  |  |
| --- | --- |
| Element Name | Search question |
| Perspective | Dynamic |
| Interface sematic | Search question support the ability to receive keyword from “Display” and return result to “Display” |
| Provide | * Provide service to receive keyword from “Display” |
| Require | * “Display” provide keyword |
| Pre-condition | * Only search question that is insert to dictionary |
| Post-condition | * Result is sent to “Display” |

* 1. Web service - DDS



* + 1. Xử lí tìm kiếm.

|  |  |
| --- | --- |
| Element Name | Search question |
| Perspective | Dynamic |
| Interface sematic | Search question support the ability to receive keyword from “Display-android” and return result to “Display-android” |
| Provide | * Provide service to receive keyword from “Display-android” |
| Require | * “Display-android” provide keyword |
| Pre-condition | * Only search question that is insert to dictionary |
| Post-condition | * Result is sent to “Display-android” |

* + 1. Create question from android

|  |  |
| --- | --- |
| Element Name | Create question |
| Perspective | Dynamic |
| Interface sematic | Create question support the ability received question from DDS-android |
| Provide | * Provide service to received information about question of users from DDS-android and send this question to DMS |
| Require | * “Display - android” provide information of question |
| Pre-condition | * Question have to created from DDS-android |
| Post-condition | * Question have to send to DMS |

* 1. Web service - DMS



* + 1. Search question

|  |  |
| --- | --- |
| Element Name | Search question |
| Perspective | Dynamic |
| Interface sematic | Search question support the ability to receive keyword from “Display-android” and return result to “Display-android” |
| Provide | * Provide service to receive keyword from “Display-android” |
| Require | * “Display-android” provide keyword |
| Pre-condition | * Only search question that is insert to dictionary |
| Post-condition | * Result is sent to “Display-android” |

* + 1. Reply question

|  |  |
| --- | --- |
| Element Name | Reply question |
| Perspective | Dynamic |
| Interface sematic | Reply question the ability to receive answer from DMS-android and send mail to user |
| Provide | * Provide service to receive answer from “Display-android” |
| Require | * “Display-android” provide content of answer |
| Pre-condition | * Question haven’t answer |
| Post-condition | * Answer have to send mail to users |

* + 1. Đưa câu hỏi vào bộ từ điển trên android

|  |  |
| --- | --- |
| Element Name | Insert question |
| Perspective | Dynamic |
| Interface sematic | Insert question support for system manager can insert question to dictionary by DMS-android |
| Provide | * Provide service to receive Insert Question request from “Display-android” |
| Require | * “Display-android” provide question that need insert to dictionary |
| Pre-condition | * Question have to replied |
| Post-condition | * Question is inserted to dictionary |

* + 1. Loại câu hỏi khỏi bộ từ điển trên android

|  |  |
| --- | --- |
| Element Name | Drop question |
| Perspective | Dynamic |
| Interface sematic | Drop question support system manager can drop question from dictionary by DMS-android |
| Provide | * Provide service to receive drop question request from “Display-android” |
| Require | * “Display-android” provide question that need drop |
| Pre-condition | * Question have to insert to dictionary |
| Post-condition | * Question is drop from dictionary |