**Operation document**

Admission system

Contents

[**Danh sách các bảng** 3](#_Toc375081072)

[**Lịch sử biên bản** 4](#_Toc375081073)

[**1.** **Giới thiệu** 5](#_Toc375081074)

[1.1 Mục đích 5](#_Toc375081075)

[1.2 Những thuật từ viết tắt 5](#_Toc375081076)

[1.3 Tài liệu kham khảo 5](#_Toc375081077)

[**1.** **Danh sách các yêu cầu chức năng** 6](#_Toc375081078)

[**2.** **Mô tả chức năng** 6](#_Toc375081079)

[**2.1 Công cụ quản lý bản tin** 6](#_Toc375081080)

[2.1.1 Xem bản tin 6](#_Toc375081081)

[2.1.2 Tạo bản tin 7](#_Toc375081082)

[2.1.3 Chỉnh sửa bản tin 7](#_Toc375081083)

[2.1.4 Xóa bản tin 8](#_Toc375081084)

[2.1.5 Xem trước bản tin 9](#_Toc375081085)

[2.1.6 Duyệt bản tin 9](#_Toc375081086)

[2.1.7 Đăng bản tin 10](#_Toc375081087)

[2.1.8 Hạ bản tin 10](#_Toc375081088)

[2.1.9 Tìm kiếm bản tin 11](#_Toc375081089)

[2.1.10 Chuyển bản tin 11](#_Toc375081090)

[2.1.11 Sắp xếp bản tin 11](#_Toc375081091)

[2.1.12 Ủy quyền cho cấp dưới 12](#_Toc375081092)

[**2.2 Công cụ quản lý danh mục** 12](#_Toc375081093)

[2.2.1 Xem danh mục 12](#_Toc375081094)

[2.2.2 Tạo danh mục 13](#_Toc375081095)

[2.2.3 Chỉnh sửa danh mục 14](#_Toc375081096)

[2.2.4 Xóa danh mục 14](#_Toc375081097)

[2.2.5 Sắp xếp danh mục 15](#_Toc375081098)

[**2.3 Công cụ quản lý hỏi đáp** 15](#_Toc375081099)

[2.3.1 Xem câu hỏi 15](#_Toc375081100)

[2.3.2 Tìm kiếm câu hỏi 16](#_Toc375081101)

[2.3.3 Tạo câu hỏi 16](#_Toc375081102)

[2.3.4 Xóa câu hỏi 17](#_Toc375081103)

[2.3.5 Tạo câu trả lời 18](#_Toc375081104)

[2.3.6 Gửi mail 18](#_Toc375081105)

[2.3.7 Xem lịch sử 19](#_Toc375081106)

[2.3.8 Thêm câu hỏi và trả lời vào bộ từ điển 19](#_Toc375081107)

[2.3.9 Xóa câu hỏi và trả lời trong bộ từ điển 20](#_Toc375081108)

[**3.** **Đặc tính thuộc tính chất lượng** 21](#_Toc375081109)

[3.1 Thuộc tính Performance 21](#_Toc375081110)

[3.2 Thuộc tính Security 21](#_Toc375081111)

[3.3 Thuộc tính Usability 22](#_Toc375081112)

[**4.** **Ràng buộc** 22](#_Toc375081113)

[6.1 Ràng buộc nghiệp vụ 22](#_Toc375081114)

[6.2 Ràng buộc kĩ thuật 22](#_Toc375081115)

# **Table list**

[Table 1: revision 4](#_Toc387913140)

[Table 2: terms 5](#_Toc387913141)

[Table 3: Reference 5](#_Toc387913142)

[Bảng 4: Danh sách các yêu cầu chức năng 6](#_Toc387913143)

[Table 5: Business constraint 26](#_Toc387913144)

[Table 6: Technology constraint 26](#_Toc387913145)

# **Revision**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Phiên bản** | **Ngày** | **Tác giả** | **Nội dung** |
| 1 | 0.1 | 19/11/2013 | Khang Huynh | Create document |
| 2 | 0.2 | 25/11/2013 | Khang Huynh | Update template |
| 3 | 0.3 | 1/12/2013 | Khang Huynh | Update list function |
| 4 | 0.4 | 2/12/2013 | Khang Huynh | Update functional description & quality attributes |

Table 1: revision

# **Introduction**

## purpose

This document will be used to record, communicate and refine the operational requirements of the project.

This document will serve as the main repository of project requirements.

## Term table

|  |  |  |
| --- | --- | --- |
| **No.** | **Term** | **Description** |
|  |  |  |
|  |  |  |
|  |  |  |

Table 2: terms

## 1.3 Reference

|  |  |  |
| --- | --- | --- |
| **No** | **Document** | **Description** |
| 1 | Architecting.Software.Intensive.Systems.A.Practitioners.Guide.Nov.2008. | Use to create and outline documet |
| 2 | Documenting Software Architectures - View and Beyond, Paul Clements, 2010 (Clements 10). | Apply to describe views |
| 3 | Software Architecture in Practice. | Apply to describe views |

Table 3: Reference

# **List functions**

|  |  |  |
| --- | --- | --- |
| **ID** | **Functions** | |
| **Công cụ quản lý bản tin** | | |
| FR01 | View article | |
| FR02 | Create article | |
| FR03 | Edit article | |
| FR04 | Delete article | |
| FR05 | Preview articles | |
| FR06 | Confirm articles | |
| FR07 | Insert articles | |
| FR08 | Drop articles | |
| FR09 | Search articles | |
| FR10 | Transfer articles | |
| FR11 | Arrang articles | |
| FR12 | Authorize to other | |
| **Công cụ quản lý danh mục** | | |
| FR13 | View catalog | |
| FR14 | Create catalog | |
| FR15 | Edit catalog | |
| FR16 | Delete catalog | |
| FR17 | Arrange catalog | |
| **Công cụ quản lý hỏi đáp** | | |
| FR18 | | Display question |
| FR19 | | Search question |
| FR20 | | Create Question |
| FR21 | | Delete question |
| FR22 | | Answer question |
| FR23 | | Send mail |
| FR24 | | Insert question into dict |
| FR25 | | Drop-dict |

Bảng 4: Danh sách các yêu cầu chức năng

# **Functional description**

## **2.1 Articles management system**

### 2.1.1 View article

|  |  |  |
| --- | --- | --- |
| **View article: This allow user to review articles** | | |
| **Stakeholders:**  Reporter,editor,Editor-in-Chief | | ID: FR01 |
| **Operational review** | **Response by stakeholder** | |
| Provide a general description of the functionality | This system allow user to view articles | |
| Describe what the stakeholder does now or would like to be able to do | Reporter, Editor, Editor-in-Chief choose an article and review it. | |
| Describe any input that is provided or is available at the time of initiation | Articles was created. | |
| Describe the operational context | After article was created, Reporter, Editor, Editor-in-Chief can open and review it in detail. | |
| Describe how the system/product should respond | System will show all articles information | |
| Describe any output the system/product produces as a result of the action | Show article information | |
| Describe who or what uses the output and what is the output used for | Reporter, Editor, Editor-in-Chief | |

### 2.1.2 Create article

|  |  |  |
| --- | --- | --- |
| **Create article: This allow user can compose,attach file : image,sound,videos,related articles.** | | |
| **Stakeholder:**  Reporter, Editor, Editor-in-Chief | | ID: FR02 |
| **Operational review** | **Response by stakeholder** | |
| Provide a general description of the functionality | This allow user can compose, attach files: images, sound, videos, related articles. | |
| Describe what the stakeholder does now or would like to be able to do | Colaborator will collect news and send them to Reporter, Reporter use this function to compose article. Editor and Editor-in-Chief can compose,too. | |
| Describe any input that is provided or is available at the time of initiation | Text can attch file (images (high quality),sound file,video file…),related articles (articles have content the same with article composing),inserted articles (lie in the same catalog with article composing). | |
| Describe the operational context | Case 1: colaborator collect new news, Reporter base on them to compose article.  Case 2: Editor, Editor-in-Chief collect news, idea for new article and compose it. | |
| Describe how the system/product should respond | Bản tin sau khi tạo sẽ lưu vào danh sách chờ gửi xét duyệt, riêng Editor-in-Chief thì bản tin đưa và danh sách chờ duyệt đưa ra internet  After articles was created will save to confirm list, with Editor-in-Chief | |
| Describe any output the system/product produces as a result of the action | New articles was created. | |
| Describe who or what uses the output and what is the output used for | Reporter, Editor, Editor-in-Chief | |

### 2.1.3 Edit article

|  |  |  |
| --- | --- | --- |
| **Edit article: This allow user to edit article.** | | |
| **Stakeholder:**  Reporter, Editor, Editor-in-Chief | | ID: FR03 |
| **Operational review** | **Response by stakeholder** | |
| Provide a general description of the functionality | System allow user to edit article. | |
| Describe what the stakeholder does now or would like to be able to do | Reporter, Editor, Editor-in-Chief can edit article. Once, an article was send to confirm, nobody can edit it except that article be resend. | |
| Describe any input that is provided or is available at the time of initiation | 1/The Editor-in-Chief resend article to Editor or Reporter.  2/The Editor resend article to Reporter.  3/The article was send but not yet confirm,Report can take it and edit. | |
| Describe the operational context | Case 1: Editor-in-Chief confirm article,if it contents problem,it will be resend for Editor or Reporter to edit.  Case 2: Editor confirm article,if it contents problem,it will be resend for Reporter to edit.  Case 3: Reporter or Editor compose article and send to higher permission,while waiting for cofirmation,they can take it and edit. | |
| Describe how the system/product should respond | System show article information, user can edit it. | |
| Describe any output the system/product produces as a result of the action | The article was edited. | |
| Describe who or what uses the output and what is the output used for | Editor, Editor-in-Chief | |

### 2.1.4 Delete article

|  |  |  |
| --- | --- | --- |
| **Delete article: This allow users can delete article from their list and save to waiting-list. The waiting-list can be delete by system.** | | |
| **Stakeholder:**  Reporter, Editor, Editor-in-Chief | | ID: FR04 |
| **Operational review** | **Response by stake holder** | |
| Provide a general description of the functionality | System allow user to delete unexpected article from their list and waiting to delete it from system.  User can choose delete it forever. | |
| Describe what the stakeholder does now or would like to be able to do | User can choose the article, then click on delete button to delete unexpected article. | |
| Describe any input that is provided or is available at the time of initiation | The article was existed. | |
| Describe the operational context | User choose an article and click “delete button” | |
| Describe how the system/product should respond | After user click delete button, system will bw show a notice request confirm delete article. | |
| Describe any output the system/product produces as a result of the action | The article was requested deletion will be move into delelte waiting list; user can delete them forever from system. | |
| Describe who or what uses the output and what is the output used for | N/A | |

### 2.1.5 Preview article

|  |  |  |
| --- | --- | --- |
| **Xem trước: This allow user to preview article befor send to higher permission.** | | |
| **Stakeholder:**  Reporter, Editor, Editor-in-Chief | | ID: FR05 |
| **Operational review** | **Response by stakeholder** | |
| Provide a general description of the functionality | The system show all contents include related content same as offical article to user can preview article are logical or not? | |
| Describe what the stakeholder does now or would like to be able to do | Reporter, Editor, Editor-in-Chief can preview arrange of article content: images,videos. | |
| Describe any input that is provided or is available at the time of initiation | Composing information, videos, images, attach file ... | |
| Describe the operational context | Reporter, Editor, Editor-in-Chief are compose and want to preview their article. | |
| Describe how the system/product should respond | The system show all contents which user is writing as a main article. User can edit it easily. | |
| Describe any output the system/product produces as a result of the action | The article is compling. | |
| Describe who or what uses the output and what is the output used for | Reporter, Editor, Editor-in-Chief | |

### 2.1.6 Confirm article

|  |  |  |
| --- | --- | --- |
| **Confirm artical: This allow user to permit view article of lower permission.** | | |
| **Stakeholder:**  Editor, Editor-in-Chief | | ID: F06 |
| **Operational review** | **Response by stake holder** | |
| Provide a general description of the functionality | The system allow user (Editor, Editor-in-Chief) view the article which wait to confirm. | |
| Describe what the stakeholder does now or would like to be able to do | Editor, Editor-in-Chief select an article and view it. | |
| Describe any input that is provided or is available at the time of initiation | 1/Reporter send aticles to Editor  2/Reporter send aticles to Editor-in-Chief.  3/ Editor send aticles to Editor-in-Chief. | |
| Describe the operational context | Case 1: Editor receive articles from Reporter and review them.  Case 2: Editor-in-Chief receive articles from Reporter and review them.  Case 3: Editor-in-Chief receive articles from Editor and review them. | |
| Describe how the system/product should respond | Editor or Editor-in-Chief select article in their list and view detail them. The system will show the chosened. | |
| Describe any output the system/product produces as a result of the action | After Editor or Editor-in-Chief confirm for the article,it will be put into list-confirm or send to writer. | |
| Describe who or what uses the output and what is the output used for | Reporter or Editor receives the article which return to send.  If Editor-in-Chief review and accepted, the article will be given up Internet or intranet. | |

### 2.1.7 Post article

|  |  |  |
| --- | --- | --- |
| **Post article: This allow user post the article given up internet or network internal.** | | |
| **Stakeholder liên quan:**  Editor-in-Chief | | ID: F07 |
| Operational Consideration | Stakeholder response | |
| Provide a general description of the functionality | This allow user post the article given up internet or intranet. | |
| Describe what the stakeholder does now or would like to be able to do | Editor-in-Chief can post articles given up internet or intranet. | |
| Describe any input that is provided or is available at the time of initiation | The article was posted on the internet and intranet | |
| Describe the operational context | Editor-in-Chief select an article has been reviewed and posted it on the internet or intranet | |
| Describe how the system/product should respond | The system displays an article was posted to the internet. | |
| Describe any output the system/product produces as a result of the action | The article posted on the internet, intranet. | |
| Describe who or what uses the output and what is the output used for | N/A | |

### 2.1.8 Drop article

|  |  |  |
| --- | --- | --- |
| **Drop article :** **The system allows users to drop articles are published on the internet and intranet.** | | |
| **Stakeholder:**  Editor-in-Chief | | ID: FR08 |
| **Operational review** | **Response by stake holder** | |
| Provide a general description of the functionality | The system allows users to drop articles are published on the internet and intranet. | |
| Describe what the stakeholder does now or would like to be able to do | Editor-in-Chief can drop article from the internet or intranet. | |
| Describe any input that is provided or is available at the time of initiation | The article was posted on the internet and intranet | |
| Describe the operational context | Editor-in-Chief of approved select an article and put it on the internet or intranet | |
| Describe how the system/product should respond | The system displays a message asking the user to confirm you want to drop or not | |
| Describe any output the system/product produces as a result of the action | The article taken down from the internet, intranet and displays the list of article to be drop. | |
| Describe who or what uses the output and what is the output used for | N/A | |

### 2.1.9 Search article

|  |  |  |
| --- | --- | --- |
| **Search article: Cho phép người dùng có thể tìm kiếm bản tin** | | |
| **Stakeholder:**  Reporter, Editor, Editor-in-Chief | | ID: FR09 |
| **Operational review** | **Response by stake holder** | |
| Provide a general description of the functionality | The system allows users to search for their Articles which is holding | |
| Describe what the stakeholder does now or would like to be able to do | Reporter, Editor, Editor-in-Chief input keyword and select search | |
| Describe any input that is provided or is available at the time of initiation | Reporter, Editor, Editor-in-Chief input keyword. | |
| Describe the operational context | Users need to find a particular article, the user enters the title or content need to find and search history | |
| Describe how the system/product should respond | The system will display the entire list with the name of approximate article that users need to find | |
| Describe any output the system/product produces as a result of the action | The article was displayed | |
| Describe who or what uses the output and what is the output used for | N/A | |

### 2.1.10 Transfer article

|  |  |  |
| --- | --- | --- |
| **Chuyển tin: Cho phép người dùng có thẩm quyền chuyển tin cho cấp trên hoặc chuyển tin về cho cấp dứoi** | | |
| **Stakeholder:**  Reporter, Editor, Editor-in-Chief | | ID: FR10 |
| **Operational review** | **Response by stake holder** | |
| Provide a general description of the functionality | Hệ thống cho phép người dùng chuyển bản tin cần duyệt cho người cần gửi  The system allows users to transfers for the article should be sent | |
| Describe what the stakeholder does now or would like to be able to do | Reporter, Editor, Editor-in-Chief choose the article and confirmer, choose Confirm | |
| Describe any input that is provided or is available at the time of initiation | Reporter sends an article to the Editor  Reporter sends an article to the Editor-in-Chief  Editor sends an article to the Editor-in-Chief. | |
| Describe the operational context | Case 1: Reporter compose and transfer article to Editor  Case 2: Editor compose and transfer article to Editor-in-Chief  Case 3: Reporter editing article bulletins and moved back to the Editor-in-Chief. | |
| Describe how the system/product should respond | Hiển thị thông báo bản tin đã được gửi đi.  Notification has been sent. | |
| Describe any output the system/product produces as a result of the action | The article is displayed in the list of pending of Editor or Editor-in-Chief. | |
| Describe who or what uses the output and what is the output used for | Editor or Reporter receives articles and decisions confirm or not | |

### 2.1.11 Preview

|  |  |  |
| --- | --- | --- |
| **Preview: Allows the user can sort the article posted on the internet or intranet** | | |
| **Stakeholder:**  Editor-in-Chief | | ID: FR11 |
| **Operational review** | **Response by stake holder** | |
| Provide a general description of the functionality | The system displays a list of articles a user has posted to sort them | |
| Describe what the stakeholder does now or would like to be able to do | Editor-in-Chief có thể xem trước nội dung bản tin được hiển thị lên internet hoặc intranet và điều chỉnh thứ tự sắp xếp của bản tin.  Editor-in-Chief can preview the content of the article shown on the internet or intranet and adjust the sort order of articles. | |
| Describe any input that is provided or is available at the time of initiation | The article is posted on the internet or intranet. | |
| Describe the operational context | Người dùng tự do chọn lựa bản tin nằm ở vị trí nào đó trên website và thứ tự hiển thị các bản tin đó  Users choice article that is located on the website and order reports show that | |
| Describe how the system/product should respond | N/A | |
| Describe any output the system/product produces as a result of the action | List of internet and intranet bulletin on display as desired by the customer | |
| Describe who or what uses the output and what is the output used for | N/A | |

### 2.1.12 Authorize another person

|  |  |  |
| --- | --- | --- |
| **Authorization: Allow Editor-in-Chief may authorize other persons may exercise the rights of the Editor-in-Chief** | | |
| **Stakeholder :**  Editor-in-Chief | | ID: FR12 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | The system allows Editor-in-Chief may authorize another person | |
| Describe what the stakeholder does now or would like to be able to do | Editor-in-Chief should choose a person authorized and granted them a period of time | |
| Describe any input that is provided or is available at the time of initiation | The list of pending of authorization | |
| Describe the operational context | Editor-in-Chief wants to authorize another person as Editor-in-Chief is busy | |
| Describe how the system/product should respond | Permission for authorized persons | |
| Describe any output the system/product produces as a result of the action | The authorized person shall have the right of Editor-in-Chief in a time period | |
| Stakeholder sử dụng Describe any output the system/product produces as a result of the action | Reporter, Editor | |

## **2.2 Catalog management system**

### 2.2.1 View categories

|  |  |  |
| --- | --- | --- |
| **View categories: categories department can view the categories list** | | |
| Stakeholder: categories department | | ID : FR13 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | The system allows users to view categories | |
| Describe what the stakeholder does now or would like to be able to do | can see all the available categories in system | |
| Describe any input that is provided or is available at the time of initiation | Select a categories manager | |
| Describe the operational context | Users on-page categories management and all existing categories in the system will display. | |
| Describe how the system/product should respond | The system displays a list of all | |
| Describe any output the system/product produces as a result of the action | All categories will be displayed | |
| Describe who or what uses the output and what is the output used for | Reporter, Editor, Editor-in-Chief | |

### 2.2.2 Create categories

|  |  |  |
| --- | --- | --- |
| **Create categories: categories department can create categories list** | | |
| Stakeholder: categories department | | ID : FR14 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | The system allows users to create a list of no one in the system | |
| Describe what the stakeholder does now or would like to be able to do | When wishing to add new categories | |
| Describe any input that is provided or is available at the time of initiation | Category name and location of the List Sort | |
| Describe the operational context | -Users on-site manager to create a new category on the category selected.  - Naming and location for category | |
| Describe how the system/product should respond | Once categoried, the system has to check if the middle name or not. | |
| Describe any output the system/product produces as a result of the action | Creating new category | |
| Describe who or what uses the output and what is the output used for | Reporter, Editor, Editor-in-Chief | |

### 2.2.3 Edit categories

|  |  |  |
| --- | --- | --- |
| **Edit categories : Categories department can edit the list of categories** | | |
| Stakeholder: categories department | | ID : FR15 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | The system allows users to edit category | |
| Describe what the stakeholder does now or would like to be able to do | Categories department can edit the category list | |
| Describe any input that is provided or is available at the time of initiation | Select an item to edit | |
| Describe the operational context | -Users on-page categories management on selected list item to edit and select Edit categories  - Edit categories | |
| Describe how the system/product should respond | The system will check any duplicated category | |
| Describe any output the system/product produces as a result of the action | Selected items will be revised | |
| Describe who or what uses the output and what is the output used for | Reporter, Editor, Editor-in-Chief | |

### 2.2.4 Delete categories

|  |  |  |
| --- | --- | --- |
| **Delete categories: Management can delete category list** | | |
| Stakeholder: Category department | | ID : FR16 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | the system allows users to delete category | |
| Describe what the stakeholder does now or would like to be able to do | Category department can delete category list | |
| Describe any input that is provided or is available at the time of initiation | Select an item to delete | |
| Describe the operational context | Users on-page Category management on selected list item to delete and select the delete list | |
| Describe how the system/product should respond | System check the list which contents subcategories or not | |
| Describe any output the system/product produces as a result of the action | Selected items will be deleted | |
| Describe who or what uses the output and what is the output used for | Reporter, Editor, Editor-in-Chief | |

### 2.2.5 Sort categories

|  |  |  |
| --- | --- | --- |
| **Sort Category: Category department can sort the list** | | |
| Stakeholder: Category department | | ID : FR17 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | The system allows users to sort the position of the display Category list | |
| Describe what the stakeholder does now or would like to be able to do | Category department can edit the list of display position of the Category List | |
| Describe any input that is provided or is available at the time of initiation | Categories select sort | |
| Describe the operational context | -Users on-page and select Manage Categories arrangements  - Choose the location for the Category arrangement. | |
| Describe how the system/product should respond | Systems show position of Categories after sort | |
| Describe any output the system/product produces as a result of the action | All categories will be displayed after locations as arranged | |
| Describe who or what uses the output and what is the output used for | Reporter, Editor, Editor-in-Chief | |

## **2.3 Admission system**

### 2.3.1 View question

|  |  |  |
| --- | --- | --- |
| **Users can view the question on the admission system** | | |
| Stakeholder: Answer department,user | | ID : FR18 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | The system allows users to use the view function after questions submitted | |
| Describe what the stakeholder does now or would like to be able to do | Users view the questions in the dictionary of the website, or questions sent to system. | |
| Describe any input that is provided or is available at the time of initiation | Users send questions to the system.  The question lies in the system. | |
| Describe the operational context | Users on-site Dictionary management system and select View. | |
| Describe how the system/product should respond | System displays content questions are asked to view by user | |
| Describe any output the system/product produces as a result of the action | Show question | |
| Describe who or what uses the output and what is the output used for | Answer department,user | |

### 2.3.2 Search-dict

|  |  |  |
| --- | --- | --- |
| **Users and Answer department can search question/answer in the system** | | |
| Stakeholder: Answer department,user | | ID : FR19 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | The system allows users to use this function to search for questions already exist on the web | |
| Describe what the stakeholder does now or would like to be able to do | Users enter keywords by title or content to be searched to find the question already exists in the system. | |
| Describe any input that is provided or is available at the time of initiation | Keyword that user input | |
| Describe the operational context | -Users on-site and search.  -Enter keywords and click search button | |
| Describe how the system/product should respond | The system will send search command to database. | |
| Describe any output the system/product produces as a result of the action | All results are show. | |
| Describe who or what uses the output and what is the output used for | Answer department,user | |

### 2.3.3 Create question

|  |  |  |
| --- | --- | --- |
| **Users can create questions on the admission system** | | |
| Stakeholder: User | | ID : FR20 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | The system allows users to compose to send questions to answer department.User can attached files, images, audio, video and related information,too | |
| Describe what the stakeholder does now or would like to be able to do | Users with questions about certain issues, they can use this function to compose and send questions to answer department | |
| Describe any input that is provided or is available at the time of initiation |  | |
| Describe the operational context | -Users on-site and select create question. | |
| Describe how the system/product should respond | The system will send questions to answer department | |
| Describe any output the system/product produces as a result of the action | Information, video, images, audio, related news, attachments .... | |
| Describe who or what uses the output and what is the output used for | User | |

### 2.3.4 Deleted question

|  |  |  |
| --- | --- | --- |
| **Answer department can delete question if that’s an invalid question** | | |
| Stakeholder: Answer department | | ID : FR21 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | The system allows users to use this function to delete invalid queries. | |
| Describe what the stakeholder does now or would like to be able to do | Answer department view uncensored content questions, if questions violate the rules already on the web, They will delete questions. | |
| Describe any input that is provided or is available at the time of initiation | Users send questions to the system | |
| Describe the operational context | -Users on-site and select View.  -Choose delete question | |
| Describe how the system/product should respond | The system will remove invalid queries | |
| Describe any output the system/product produces as a result of the action | Question will be move to another list. | |
| Describe who or what uses the output and what is the output used for | Answer department | |

### 2.3.5 Answer question

|  |  |  |
| --- | --- | --- |
| **Answer department: can generate answers to user's questions** | | |
| Stakeholder: Answer department | | ID : FR22 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | The system allows users to compose answers to response User’s questions | |
| Describe what the stakeholder does now or would like to be able to do | Answer department uses this function to answer questions for people to ask the question | |
| Describe any input that is provided or is available at the time of initiation | Answer department can compose and can add text attachments (pictures (high quality), audio files, video files, other data), the relevant information (information content related to the compose message). | |
| Describe the operational context | -Users on-site and select questions.  -Compose answer | |
| Describe how the system/product should respond | Answer department reply question and select submit form, the system will be transferred answer to the recipient via email | |
| Describe any output the system/product produces as a result of the action | Information, video, images, audio, related news, attachments … | |
| Describe who or what uses the output and what is the output used for | Answer department | |

### 2.3.6 Send mail

|  |  |  |
| --- | --- | --- |
| **Answer department can send mail to answer questions for users** | | |
| Stakeholder: Answer department | | ID : FR23 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | The system allows users to send mail response asking people | |
| Describe what the stakeholder does now or would like to be able to do | Answer department will answer questions and send the answers via email to the user | |
| Describe any input that is provided or is available at the time of initiation | The question sent by user | |
| Describe the operational context | Question from being sent to those who asked, answer department will receive and answer the questions | |
| Describe how the system/product should respond | The answer will be sent to the email address of the person who asked | |
| Describe any output the system/product produces as a result of the action | Mail sent the questions to user | |
| Describe who or what uses the output and what is the output used for | users | |
| Describe who or what uses the output and what is the output used for | Answer department | |

### 2.3.7 Insert question into dict

|  |  |  |
| --- | --- | --- |
| **Thêm câu hỏi và trả lời vào bộ từ điển: Bộ phận trả lời thấy câu hỏi và câu trả lời nào hay có thể đưa vào bộ từ điển đưa lên website** | | |
| Stakeholder: Answer department | | ID : FR24 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | The system allows users to view questions and put it into website | |
| Describe what the stakeholder does now or would like to be able to do | Answer department view question,based on predefined criteria answer department put to website | |
| Describe any input that is provided or is available at the time of initiation | Question are moderated. | |
| Describe the operational context | - Users on-site and select View.  -Choose put into dictionary | |
| Describe how the system/product should respond | The system selected questions in the dictionary and display it on the website | |
| Describe any output the system/product produces as a result of the action | Question is displayed on website | |
| Describe who or what uses the output and what is the output used for | Answer department | |

### 2.3.8 Drop-dict

|  |  |  |
| --- | --- | --- |
| **Answer department can drop question from dictionary** | | |
| Stakeholder: Answer department | | ID : FR25 |
| **Operational review** | **Response from Stakeholder** | |
| Provide a general description of the functionality | The system allows users to drop questions from the website | |
| Describe what the stakeholder does now or would like to be able to do | Answer department consider in determining dictionaries and dictionaries eliminated from unnecessary questions. | |
| Describe any input that is provided or is available at the time of initiation | The question was put to the dictionary. | |
| Describe the operational context | - Users on-site and select View.  -Choose from drop-dictionary | |
| Describe how the system/product should respond | System drop questions selected from the dictionary and refreshes website | |
| Describe any output the system/product produces as a result of the action | questions were excluded website | |
| Describe who or what uses the output and what is the output used for | Answer department | |

# **Quality attributes**

## 3.1 Performance

|  |  |
| --- | --- |
| **Stakeholder**: Reporter, Editor, Editor-in-Chief | **ID**: QAP01 |
| Quality Attribute: Performance | |
| **Reason for Quality Attribute:** | |
| Response speed of the system is not slow | |
| **Stakeholder’s Quality Attribute story:** | |
| The article displayed less than 2 seconds.  The initialization article is stored no more than 3 seconds .  Article are move back to no more than 2 seconds. | |

|  |  |
| --- | --- |
| **Stakeholder**: Reporter, Editor, Editor-in-Chief | **ID**: QAP02 |
| Quality Attribute: Performance | |
| **Reason for Quality Attribute:** | |
| Response speed of the system is not too slow | |
| **Stakeholder’s Quality Attribute story:** | |
| Create, edit, delete categories no more than 3 seconds | |

|  |  |
| --- | --- |
| **Stakeholder**: Answer deparment,user | **ID**: QAP03 |
| Quality Attribute: Performance | |
| **Reason for Quality Attribute:** | |
| Response speed of the system is not too slow | |
| **Stakeholder’s Quality Attribute story:** | |
| The question was put on the dictionary display no more than 2 seconds  The answer initialization saved less than 3 seconds | |

## Security

|  |  |
| --- | --- |
| **Stakeholder**: Reporter, Editor, Editor-in-Chief | **ID**: QAS01 |
| Quality Attribute: Security | |
| **Reason for Quality Attribute:** | |
| Error of the system must be obscured, user data must be encrypted | |
| **Stakeholder’s Quality Attribute story:** | |
| Accounts and user passwords to be encrypted in the database  Systems’s error must be excute | |

## Usability

|  |  |
| --- | --- |
| **Stakeholder**: Reporter, Editor, Editor-in-Chief | **ID**: QAU01 |
| Quality Attribute: Usability | |
| **Reason for Quality Attribute:** | |
| Make the easy to use interface, users can manipulate quickly, reducing waiting time while the other pages | |
| **Stakeholder’s Quality Attribute story:** | |
| Login to the system no more than 2 steps  At the interface required no more than 3 steps | |

# **Constraint**

## 6.1 Business constraint

|  |  |
| --- | --- |
| **Consider** | **Business constraint** |
| Schedule | 30 week. |
| Rule & Requirements | Human Resource : 6 |

Table 5: Business constraint

## 6.2 Technology constraint

|  |  |
| --- | --- |
| **Consider** | **Technical Constraints** |
| System | Window 7, Android, Browser web Google chrome 23-25, Firefox 14-16, IE 9-11, android 2.0. |
| Platform | Java platform |
| Language | Java, Java Script, CSS, HTML |
| Method & tools | Environment: Eclipse, My SQL, Maven 2 |
| Protocol, standard, interfaces | J2EE, Spring 3 + hibernate, Lucene search |

Table 6: Technology constraint