**Architecture Evaluation**

Admission system

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# **Revision**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Version** | **Update date** | **Author** | **Content** |
| 1 | 1.0 | 01/09/2014 | Nguyen Phan Xuan Huy | Create document |
| 2 | 1.1 | 01/15/2014 | Nguyen Phan Xuan Huy | Update Architecture Evaluation |
| 3 | 1.2 | 01/21/2014 | Nguyen Phan Xuan Huy | Update Architecture Evaluation |
| 4 | 1.3 | 02/11/2014 | Nguyen Phan Xuan Huy | Update Architecture Evaluation |
| 5 | 1.4 | 02/18/2014 | Nguyen Phan Xuan Huy | Update Architecture Evaluation |
| 6 | 1.5 | 02/20/2014 | Nguyen Phan Xuan Huy | Update Architecture Evaluation |

Table 1: Revision history

# **Introduction**

## Purpose

This purpose of this document is supported to evaluation architecture document of Deadline Team in Admission system.

## Goal

* + All members can overview about architecture.
  + Know strength and weak in architecture design of team to recovery design.

# **Architecture Evaluation**

|  |  |
| --- | --- |
| **Date:**01/09/2014 | |
| **Issue reference number** | Allocation View |
| **Issue Origin** | |
| **Quality attribute reference** | Demonstrating perspective has met quality attributes "Scalability" or not? |
| **Document or representation references:** AS\_AD\_ArchitectureDesign.docx | |
| **Description:**  The document describes the system design point of view the interaction of hardware  Designing systems to ensure operational for centralization or dispersal   |  |  | | --- | --- | |  |  | | |

Table 2: Evaluate Allocation View

|  |  |
| --- | --- |
| **Date:**01/09/2014 | |
| **Issue reference number** | System Context |
| **Issue Origin** | |
| **Function use case** | Include 2 system : Article and Dictionary  Creating index in Dictionary system (use lucexen ) |
| **Quality attribute reference** | When creating the index, How long data load would take ?  With large volumes of data so how? |
| **Document or representation references:**   * SystemContext-9.1.2014.vsd * Element-Catalog-leve1.xlsx | |
| **Description:**  System context documentation showing all entity / other interactive systems in developing systems | |

Table 3: Evaluate System Context

|  |  |
| --- | --- |
| **Date:** 01/09/2014 | |
| **Issue reference number** | Static View |
| **Issue Origin** | |
| **Other** | Why use layer style, module style?  How do parts of the system interact with each other ? |
| **Document or representation references:** AS\_AD\_ArchitectureDesign.docx | |
| **Description:**  The document describes the overall design in a static perspective, the system is expressed through the module, the elements | |

Table 4: Evaluate Static View

|  |  |
| --- | --- |
| **Date:** 01/09/2014 | |
| **Issue reference number** | Dynamic View |
| **Issue Origin** | |
| **Other** | Define interface |
| **Document or representation references:**   * TopLvlC&C.vsdx * QA.vsdx * QTND-cong cu soan tin.vsd | |
| **Description:**  The document describes the overall design in a dynamic perspective, the system is expressed through the module, the elements | |

Table 5: Evaluate Dynamic View

|  |  |
| --- | --- |
| **Date:** 01/15/2014 | |
| **Issue reference number** | Dynamic View – Articles management system |
| **Issue Origin** | |
| **Function use case** | Scope inaccurate  Has user management functions related to the system? |
| **Quality attribute reference** | Web service in or outside the system?  Need configuration files for the system to be easily configured (Usability) |
| **Other** | Review the processes connect to each other  Clarify design: Technical, Quality Attribute, Functional |
| **Document or representation references:** AS\_AD\_ArchitectureDesign.docx | |
| **Description:**  Documents describing the design of the system includes the perspectives: Physical View, Static View and Dynamic View. For Dynamic View has decompose to level 1. | |

Table 6: Evaluate Dynamic View – Article management system

|  |  |
| --- | --- |
| **Date:** 01/15/2014 | |
| **Issue reference number** | Dynamic View – Dictionary Management system |
| **Issue Origin** | |
| **Function use case** | Inside system  Use database intranet |
| **Document or representation references:** AS\_AD\_ArchitectureDesign.docx | |

Table 7: Evaluate Dynamic View – Dictionary Management system

|  |  |
| --- | --- |
| **Date:** 01/15/2014 | |
| **Issue reference number** | Dynamic View – Dictionary Display system |
| **Issue Origin** | |
| **Function use case** | Outside system  Use database internet |
| **Document or representation references:** AS\_AD\_ArchitectureDesign.docx | |

Table 8: Evaluate Dynamic View – Dictionary Display system

|  |  |
| --- | --- |
| Date:21.01.2014 | |
| **Issue reference number** | Dynamic View |
| **Issue Origin** | |
| **Quality attribute reference** | Between 2 databases : intranet and internet have to synchronization at the same time |
| **Other** | Update Connector |
| **Document or representation references:** AS\_AD\_ArchitectureDesign.docx | |
| **Description:**  Documents describing the design of the system includes the perspectives: Physical View, Static View and Dynamic View.  Modify architect evaluation on Jan/15/2014  Decomposing Dynamic View specification | |

Table 9: Evaluate Dynamic View

|  |  |
| --- | --- |
| **Date:** 01/21/2014 | |
| **Issue reference number** | Interface |
| **Issue Origin** | |
| **Other** | Tập trung vào elements name, perspective, sematic, provide, requires, precondition, postcondition  Có 2 loại interface: Thông qua một đối tượng gián tiếp hoặc vào trực tiếp  Interface bao gồm:   * Provide: Cung cấp 1 interface để cho đối tượng xử lý gọi đến thông báo dữ liệu mới * Requires: Yêu cầu từ điển dữ liệu 1 dịch vụ để cung cấp gửi câu hỏi * Pre-condition: Những điều kiện cần để khởi động interface * Post-condition: Điều kiện kết thúc interface |

Table 11: Evaluate Interface

|  |  |
| --- | --- |
| **Date:** 02/11/2014 | |
| **Issue reference number** | Static View – Dictionary management system, Dictionary Display system |
| **Issue Origin** | |
| **Function use case** | Define controller. |
| **Other** | In the GUI can interact with JSP and class? |
| **Document or representation references:** AS\_AD\_ArchitectureDesign.docx | |
| **Description:**  Documents describing the design of the system includes the perspectives: Physical View, Static View and Dynamic View.  Modify architect evaluation on 21/Jan/2014  Decompose Static View | |

Table 12: Evaluate Static View – Dictionary management system, Dictionary Display system

|  |  |
| --- | --- |
| **Date:** 02/11/2014 | |
| **Issue reference number** | Dynamic View – Dictionary management system, Dictionary Display system |
| **Issue Origin** | |
| **Function use case** | User management module is not sub-system  Demonstrated interface for index file  Interface interact with Dictionary Display system and Dictionary management system ?  Configuration file including multiple files  Review web services on Dictionary Management system |
| **Quality attribute reference** | If separating out the services to meet the quality attributes (Search). – Research algorithm lucexen search of Dictionary Management system |
| **Other** | Spring supports SOAP call or not? |

Table 13: Evaluate Dynamic View – Dictionary management system, Dictionary Display system

|  |  |
| --- | --- |
| **Date:** 02/11/2014 | |
| **Issue reference number** | Dynamic View – Android app |
| **Issue Origin** | |
| **Function use case** | How to send data between 2 applications ? |

Table 14: Evaluate Dynamic View – Android app

|  |  |
| --- | --- |
| **Date:** 02/18/2014 | |
| **Issue reference number** | Dynamic View – Dictionary management system, Dictionary Display system |
| **Issue Origin** | |
| **Function use case** | Define interface, the services in interfaces.  Review thread and process |
| **Document or representation references:** AS\_AD\_ArchitectureDesign.docx | |
| Description:  Documents describing the design of the system includes the perspectives: Physical View, Static View and Dynamic View.  Modify architect evaluation on Feb/11/2014 | |

Table 15: Evaluate Dynamic View – Dictionary management system, Dictionary Display system

|  |  |
| --- | --- |
| **Date:** 02/18/2014 | |
| **Issue reference number** | Dynamic View – Android app |
| **Issue Origin** | |
| **Function use case** | Review request from Dictionary Display android application to Dictionary Management system |
| **Other** | Research MVC remote |

Table 16: Evaluate Dynamic View – Android app

|  |  |
| --- | --- |
| **Date:** 02/20/2014 | |
| **Issue reference number** | Stactic View – Dictionary management system, Dictionary Display system |
| **Issue Origin** | |
| **Function use case** | JSP can use Service Layer? |
| **Document or representation references:** AS\_AD\_ArchitectureDesign.docx | |
| **Description:**  Documents describing the design of the system includes the perspectives: Physical View, Static View and Dynamic View.  Modify architect evaluation on Feb/18/2014 | |

Table 17: Dynamic View – Dictionary management system, Dictionary Display system

|  |  |
| --- | --- |
| **Date:** 02/20/2014 | |
| **Issue reference number** | Dynamic View – Dictionary management system, Dictionary Display system |
| **Issue Origin** | |
| **Function use case** | Connect between : Browser and http/https  Detail explain about respond for connectors.  Corrected flow interface of Dictionary management  Lack create index interface |
| **Other** | Implement Responsibility for: use wsdl between android and Dictionary Display system. |

Table 18: Evaluate Dynamic View – Dictionary management system, Dictionary Display system