**SOFTWARE DETAIL DESIGN DOCUMENT**

**HUMAN RESOURCE MANAGEMENT**

DD\_SubjectManagement

Version 1.0, issued date …..

**ABSTRACT**

This document is intended to be the SRS and ADD for developing

**PERSONAL INFORMATION MANAGEMENT (HRM\_PIM)**

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1. **File list**

[*Reference to Subjectmanagement in File List*](../../HRM_File%20List.xlsx)

1. **Function list**

|  |  |
| --- | --- |
| ***ListSubjectManagementView*** |  |
| **Function** | **Description** |
| OnCellDoubleClick() | Show GUI choosen by user |

|  |  |
| --- | --- |
| ***EditSubjectManagementView*** |  |
| **Function** | **Description** |
| View\_CloseWindow() | Close GUI choosen by user |

|  |  |
| --- | --- |
| ***ListSubjectManagementViewModel*** |  |
| **Function** | **Description** |
| GetListSubjectManagementComplete(int employeeKey) | Get list of available data of Subjectmanagement to List View |
| GetSubjectManagementtByKeyComplete (int id, string keyName) | Check SubjectManakey inserted with available SubjectManakey in database. |
| DeleteSubjectManagementComplete(Int SubjectKey) | Delete list data of Subjectmanagement from database |
| Reload() | Get available data of Subjectmanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

|  |  |
| --- | --- |
| ***EditSubjectManagementViewModel*** |  |
| **Function** | **Description** |
| SaveSubjectManagementComplete(Int SubjectKey) | Store data of SubjectManagement to database |
| GetSubjectManagementComplete(int id) | Get list of available data of Subjectmanagement to Edit View |
| GetSubjectManagementByKeyComplete(int id, string keyName) | Check SubjectManakey inserted with available SubjectManakey in database. |
| CheckInputData() | Check if user input wrong data or lack |
| Readload() | Get available data of Subjectmanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

|  |  |
| --- | --- |
| ***ExpandInformationModel*** |  |
| **Function** | **Description** |
| GetListSubjectManagementAsync(int employeeKey) | Get list of available data of Subjectmanagement from database to ViewlModel |
| GetSubjectManagementAsync(int id) | Get data of Subjectmanagement from database. |
| SaveSubjectManagementAsync(Int SubjectKey) | Insert data of Subjectmanagement to database. |
| DeleteSubjectManagementAsync(Int SubjectKey) | Remove data of Subjectmanagement to database. |

|  |  |
| --- | --- |
| ***HRMService*** |  |
| **Function** | **Description** |
| GetHRM\_SubjectManagement(int SubjectKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Select transaction. |
| InsertHRM\_SubjectManagement(int SubjectKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Insert transaction. |
| UpdateHRM\_SubjectManagement(int SubjectKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Update transaction. |
| DeleteHRM\_SubjectManagement(int SubjectKey) | SQL statement is generated from ViewModel player and dispatch to this layer to execute Delete transaction. |

1. **Detail Design**
   1. Client Class Diagram



* 1. Business Class Diagram



* 1. Entity Diagram

|  |  |
| --- | --- |
| C:\Users\DangNguyen\Desktop\HRM Image\HRM_employee.jpg | C:\Users\DangNguyen\Desktop\HRM Image\HRM_Subject.jpg |

* 1. Sequence Diagram
     1. List Subject Management Diagram



* + 1. Edit Subject Management Diagram

