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| **DETAIL DESIGN DOCUMENT** |
| DD\_SubjectManagement |
| Version 1.0, issued date 3/28/2012 |
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Contents

[1. File list 3](#_Toc324334944)

[2. Function list 3](#_Toc324334946)

[3. Detail Design 5](#_Toc324334947)

[3.1. Client Class Diagram 5](#_Toc324334948)

[3.2. Business Class Diagram 5](#_Toc324334950)

[3.3. Entity Diagram 6](#_Toc324334952)

[3.4. Sequence Diagram 7](#_Toc324334954)

[3.4.1. List Artical Management Diagram 7](#_Toc324334955)

[3.4.2. Edit Artical Management Diagram 8](#_Toc324334956)

1. **File list**

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

1. **Function list**

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

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

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| ***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 |

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| --- | --- |
| ***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 |

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| --- | --- |
| ***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. |

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| --- | --- |
| ***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

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| --- | --- |
| 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

