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| **SOFTWARE DETAIL DESIGN DOCUMENT** |
| DD\_SubjectManagement |
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| **DangNguyen** |
| **[Pick the date]** |
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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(intemployeeKey) | Get list of available data of Subjectmanagementto List View |
| GetSubjectManagementtByKeyComplete(int id, stringkeyName) | Check SubjectManakey insertedwith available SubjectManakey in database. |
| DeleteSubjectManagementComplete(IntSubjectKey) | Delete list data of Subjectmanagement from database |
| Reload() | Getavailable data of Subjectmanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| ***EditSubjectManagementViewModel*** |  |
| **Function** | **Description** |
| SaveSubjectManagementComplete(IntSubjectKey) | Store data of SubjectManagement to database |
| GetSubjectManagementComplete(int id) | Get list of available data of Subjectmanagementto Edit View |
| GetSubjectManagementByKeyComplete(int id, stringkeyName) | 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(intemployeeKey) | Get list of available data of Subjectmanagement from database to ViewlModel |
| GetSubjectManagementAsync(int id) | Get data of Subjectmanagement from database. |
| SaveSubjectManagementAsync(IntSubjectKey) | Insert data of Subjectmanagement to database. |
| DeleteSubjectManagementAsync(IntSubjectKey) | Remove data of Subjectmanagement to database. |

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

