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| **SOFTWARE DETAIL DESIGN DOCUMENT** |
| DD\_LecturePositionManagement |
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1. **File list**

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

1. **Function list**

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

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

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| ***ListLecturePositionManagementViewModel*** |  |
| **Function** | **Description** |
| GetListLecturePositionManagementComplete(intemployeeKey) | Get list of available data of LecturePositionmanagementto List View |
| GetLecturePositionManagementtByKeyComplete (int id, stringkeyName) | Check LecturePositionManakey insertedwith available LecturePositionManakey in database. |
| DeleteLecturePositionManagementComplete(IntLecturePositionManaKey) | Delete list data of LecturePositionmanagement from database |
| Reload() | Getavailable data of LecturePositionmanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| ***EditLecturePositionManagementViewModel*** |  |
| **Function** | **Description** |
| SaveLecturePositionManagementComplete(IntLecturePositionManaKey) | Store data of LecturePositionManagement to database |
| GetLecturePositionManagementComplete(int id) | Get list of available data of LecturePositionmanagementto Edit View |
| GetLecturePositionManagementByKeyComplete(int id, stringkeyName) | Check LecturePositionManakey inserted with available LecturePositionManakey in database. |
| CheckInputData() | Check if user input wrong data or lack |
| Readload() | Get available data of LecturePositionmanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| ***ExpandInformationModel*** |  |
| **Function** | **Description** |
| GetListLecturePositionManagementAsync(intemployeeKey) | Get list of available data of LecturePositionmanagement from database to ViewlModel |
| GetLecturePositionManagementAsync(int id) | Get data of LecturePositionmanagement from database. |
| SaveLecturePositionManagementAsync(IntLecturePositionManaKey) | Insert data of LecturePositionmanagement to database. |
| DeleteLecturePositionManagementAsync(IntLecturePositionManaKey) | Remove data of LecturePositionmanagement to database. |

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

* 1. Sequence Diagram
     1. List LecturePosition Management Diagram



* + 1. Edit LecturePosition Management Diagram

