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| **DETAIL DESIGN DOCUMENT** |
| DD\_MasterThesisGuideline |
| Version 1.0, issued date 4/4/2012 |
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1. **File list**

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

1. **Function list**

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

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

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| ***ListMasterThesisGuidelineViewModel*** |  |
| **Function** | **Description** |
| GetListMasterThesisGuidelineComplete(int employeeKey) | Get list of available data of MasterThesisGuideline to List View |
| GetMasterThesisGuidelinetByKeyComplete (int id, string keyName) | Check SubjectManakey inserted with available SubjectManakey in database. |
| DeleteMasterThesisGuidelineComplete(Int ThesisGuidelineKey) | Delete list data of MasterThesisGuideline from database |
| Reload() | Get available data of MasterThesisGuideline from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| ***EditMasterThesisGuidelineViewModel*** |  |
| **Function** | **Description** |
| SaveMasterThesisGuidelineComplete(Int ThesisGuidelineKey) | Store data of MasterThesisGuideline to database |
| GetMasterThesisGuidelineComplete(int id) | Get list of available data of MasterThesisGuideline to Edit View |
| GetMasterThesisGuidelineByKeyComplete(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 MasterThesisGuideline from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| --- | --- |
| ***ExpandInformationModel*** |  |
| **Function** | **Description** |
| GetListMasterThesisGuidelineAsync(int employeeKey) | Get list of available data of MasterThesisGuideline from database to ViewlModel |
| GetMasterThesisGuidelineAsync(int id) | Get data of MasterThesisGuideline from database. |
| SaveMasterThesisGuidelineAsync(Int ThesisGuidelineKey) | Insert data of MasterThesisGuideline to database. |
| DeleteMasterThesisGuidelineAsync(Int ThesisGuidelineKey) | Remove data of MasterThesisGuideline to database. |

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

* 1. Sequence
     1. List MasterThesisGuideline Diagram



* + 1. Edit MasterThesisGuideline Diagram

