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| **SOFTWARE DETAIL DESIGN DOCUMENT** |
| DD\_MasterThesisGuideline |
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Contents

[1. File list 3](#_Toc324337055)

[2. Function list 3](#_Toc324337057)

[3. Detail Design 4](#_Toc324337058)

[3.1. Client Class Diagram 4](#_Toc324337059)

[3.2. Business Class Diagram 5](#_Toc324337061)

[3.3. Entity Diagram 5](#_Toc324337063)

[3.4. Sequence Diagram 6](#_Toc324337065)

[3.4.1. List MasterThesisGuideline Diagram 6](#_Toc324337066)

[3.4.2. Edit MasterThesisGuideline Diagram 7](#_Toc324337067)

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(intemployeeKey) | Get list of available data of MasterThesisGuidelineto List View |
| GetMasterThesisGuidelinetByKeyComplete(int id, stringkeyName) | Check SubjectManakey insertedwith available SubjectManakey in database. |
| DeleteMasterThesisGuidelineComplete(IntThesisGuidelineKey) | Delete list data of MasterThesisGuideline from database |
| Reload() | Getavailable data of MasterThesisGuideline from database |
| LoadInitComplete() | Display data from Reload() to List View |

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

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

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



* + 1. Edit MasterThesisGuidelineDiagram

