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

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

1. **Function list**

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

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

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| ***ListStaffHistoryViewModel*** |  |
| **Function** | **Description** |
| GetListStaffHistoryComplete(intemployeeKey) | Get list of available data of StaffHistoryto List View |
| GetStaffHistorytByKeyComplete(int id, stringkeyName) | Check FacilitateManakey insertedwith available FacilitateManakey in database. |
| DeleteStaffHistoryComplete(IntStaffHistorykey) | Delete list data of StaffHistory from database |
| Reload() | Getavailable data of StaffHistory from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| --- | --- |
| ***EditStaffHistoryViewModel*** |  |
| **Function** | **Description** |
| SaveStaffHistoryComplete(IntStaffHistoryKey) | Store data of StaffHistory to database |
| GetStaffHistoryComplete(int id) | Get list of available data of StaffHistoryto Edit View |
| GetStaffHistoryByKeyComplete(int id, stringkeyName) | Check StaffHistoryManakey inserted with available FacilitateManakey in database. |
| CheckInputData() | Check if user input wrong data or lack |
| Readload() | Get available data of StaffHistory from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| --- | --- |
| ***ExpandInformationModel*** |  |
| **Function** | **Description** |
| GetListStaffHistoryAsync(intemployeeKey) | Get list of available data of StaffHistory from database to ViewlModel |
| GetStaffHistoryAsync(int id) | Get data of StaffHistory from database. |
| SaveStaffHistoryAsync(IntStaffHistorykey) | Insert data of StaffHistory to database. |
| DeleteStaffHistoryAsync(IntStaffHistorykey) | Remove data of StaffHistory to database. |

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

* 1. Sequence Diagram
     1. List StaffHistoryDiagram



* + 1. Edit StaffHistoryDiagram

