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

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

1. **Function list**

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

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

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| ***ListArticalManagementViewModel*** |  |
| **Function** | **Description** |
| GetListArticalManagementComplete(intemployeeKey) | Get list of available data of Articalmanagementto List View |
| GetArticalManagementtByKeyComplete(int id, stringkeyName) | Check ArticalManakey insertedwith available ArticalManakey in database. |
| DeleteArticalManagementComplete(intArticalkey) | Delete list data of Articalmanagement from database |
| Reload() | Getavailable data of Articalmanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| ***EditArticalManagementViewModel*** |  |
| **Function** | **Description** |
| SaveArticalManagementComplete(IntArticalKey) | Store data of ArticalManagement to database |
| GetArticalManagementComplete(int id) | Get list of available data of Articalmanagementto Edit View |
| GetArticalManagementByKeyComplete(int id, stringkeyName) | Check ArticalManakey inserted with available ArticalManakey in database. |
| CheckInputData() | Check if user input wrong data or lack |
| Readload() | Get available data of Articalmanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| ***ExpandInformationModel*** |  |
| **Function** | **Description** |
| GetListArticalManagementAsync(intemployeeKey) | Get list of available data of Articalmanagement from database to ViewlModel |
| GetArticalManagementAsync(int id) | Get data of Articalmanagement from database. |
| SaveArticalManagementAsync(IntArticalKey) | Insert data of Articalmanagement to database. |
| DeleteArticalManagementAsync(IntArticalKey) | Remove data of Articalmanagement to database. |

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

* 1. Sequence Diagram
     1. List Artical Management Diagram



* + 1. Edit Artical Management Diagram

