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

[1. File list 3](#_Toc324335775)

[2. Function list 3](#_Toc324335777)

[3. Detail Design 4](#_Toc324335778)

[3.1. Client Class Diagram 4](#_Toc324335779)

[3.2. Business Class Diagram 5](#_Toc324335781)

[3.3. Entity Diagram 5](#_Toc324335782)

[3.4. Sequence Diagram 6](#_Toc324335784)

[3.4.1. List Emulation Management Diagram 6](#_Toc324335785)

[3.4.2. Edit Emulation Management Diagram 7](#_Toc324335786)

1. **File list**

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

1. **Function list**

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

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

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| ***ListEmulationManagementViewModel*** |  |
| **Function** | **Description** |
| GetListEmulationManagementComplete(intemployeeKey) | Get list of available data of Emulationmanagementto List View |
| GetEmulationManagementtByKeyComplete(int id, stringkeyName) | Check EmulationManakey insertedwith available EmulationManakey in database. |
| DeleteEmulationManagementComplete(IntEmulationKey) | Delete list data of Emulationmanagement from database |
| Reload() | Getavailable data of Emulationmanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| ***EditEmulationManagementViewModel*** |  |
| **Function** | **Description** |
| SaveEmulationManagementComplete(IntEmulationKey) | Store data of EmulationManagement to database |
| GetEmulationManagementComplete(int id) | Get list of available data of Emulationmanagementto Edit View |
| GetEmulationManagementByKeyComplete(int id, stringkeyName) | Check EmulationManakey inserted with available EmulationManakey in database. |
| CheckInputData() | Check if user input wrong data or lack |
| Readload() | Get available data of Emulationmanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

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| ***ExpandInformationModel*** |  |
| **Function** | **Description** |
| GetListEmulationManagementAsync(intemployeeKey) | Get list of available data of Emulationmanagement from database to ViewlModel |
| GetEmulationManagementAsync(int id) | Get data of Emulationmanagement from database. |
| SaveEmulationManagementAsync(intEmulationKey) | Insert data of Emulationmanagement to database. |
| DeleteEmulationManagementAsync(intEmulationKey) | Remove data of Emulationmanagement to database. |

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

* 1. Sequence Diagram
     1. List Emulation Management Diagram



* + 1. Edit Emulation Management Diagram

