|  |
| --- |
| **SOFTWARE DETAIL DESIGN DOCUMENT** |
| DD\_IncomeManagement |
|  |
| PROPRIETARY INFORMATION: The information contained in this document is the property of HRM\_PIM .Except as specifically authorized in writing by HRM\_PIM, the holder of this document shall keep all information contained herein confidential and shall protect same in whole or in part from disclosure and dissemination to all third parties. |
|  |
|  |
|  |
|  |

Contents

[1. File list 3](#_Toc324336632)

[2. Function list 3](#_Toc324336634)

[3. Detail Design 4](#_Toc324336635)

[3.1. Client Class Diagram 4](#_Toc324336636)

[3.2. Business Class Diagram 5](#_Toc324336638)

[3.3. Entity Diagram 5](#_Toc324336640)

[3.4. Sequence Diagram 6](#_Toc324336642)

[3.4.1. List Income Management Diagram 6](#_Toc324336643)

[3.4.2. Edit Income Management Diagram 7](#_Toc324336644)

1. **File list**

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

1. **Function list**

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

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

|  |  |
| --- | --- |
| ***ListIncomeManagementViewModel*** |  |
| **Function** | **Description** |
| GetListIncomeManagementComplete(intemployeeKey) | Get list of available data of Incomemanagementto List View |
| GetIncomeManagementtByKeyComplete(int id, stringkeyName) | Check incomeManakey insertedwith available incomeManakey in database. |
| DeleteIncomeManagementComplete(IntIncomeManaKey) | Delete list data of Incomemanagement from database |
| Reload() | Getavailable data of Incomemanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

|  |  |
| --- | --- |
| ***EditIncomeManagementViewModel*** |  |
| **Function** | **Description** |
| SaveIncomeManagementComplete(IntIncomeManaKey) | Store data of incomeManagement to database |
| GetIncomeManagementComplete(int id) | Get list of available data of Incomemanagementto Edit View |
| GetIncomeManagementByKeyComplete(int id, stringkeyName) | Check incomeManakey inserted with available incomeManakey in database. |
| CheckInputData() | Check if user input wrong data or lack |
| Readload() | Get available data of Incomemanagement from database |
| LoadInitComplete() | Display data from Reload() to List View |

|  |  |
| --- | --- |
| ***ExpandInformationModel*** |  |
| **Function** | **Description** |
| GetListIncomeManagementAsync(intemployeeKey) | Get list of available data of Incomemanagement from database to ViewlModel |
| GetIncomeManagementAsync(int id) | Get data of incomemanagement from database. |
| SaveIncomeManagementAsync(IntIncomeManaKey) | Insert data of incomemanagement to database. |
| DeleteIncomeManagementAsync(IntIncomeManaKey) | Remove data of incomemanagement to database. |

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

|  |  |
| --- | --- |
| C:\Users\DangNguyen\Desktop\HRM Image\HRM_employee.jpg | C:\Users\DangNguyen\Desktop\HRM Image\HRM_income.jpg |

* 1. Sequence Diagram
     1. List Income Management Diagram



* + 1. Edit Income Management Diagram

