1. **List of Entity**

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| --- | --- | --- |
| ID | Name | Description |
| E01 | Administrator | To have full access to the system.  Manage all kind of user account  Import Student Record for School |
| E02 | The Faculty Monitor |  |
| E03 | The Received Student Record Officer |  |
| E04 | The Training Department Officer |  |
| E05 | The Human Resource Department Officer |  |
| E06 | The Management Committee |  |

Detail Entity

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| --- | --- |
| ENTITY NAME: Administrator | ENTITY ID: E01 |
| Description: The administrator is a human of system that will responsible for creating and configuring the parameter of system, manage user account. This user may have training in process of system but no special computer straining for the user of system is assumed. | |
| Provide Assumptions:  The administrator will provide for system:  Textual user account information for creation and configure user account of system  Provide parameter for system to creating and configuring systems | |
| Requires Assumptions:  System will provide:  An environment to aid in manager user account  A ability to creating a new user account, search, modify user information | |
| Identified Use cases: | |

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| ENTITY NAME: Cashier | ENTITY ID: E02 |
| Description: The cashier is a human of system that will responsible for charged product when customer buying product. This user may have training how to use the system (environment is supported by software and hardware) and does not training about business process (sale process) | |
| Provide Assumptions:  The cashier will provide for system:  Textual member information when their buy product  Textual product information when member or customer buy product | |
| Requires Assumptions:  The environment to aid in the sales product process  A ability to print the detail information in current transaction  A capability to show member information and product information | |
| Identified Use cases: | |

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| --- | --- |
| ENTITY NAME: Head Office Manager | ENTITY ID: E03 |
| Description: The head office manager is a human of system that will responsible for manage store, creating and adjusting price of product, manage product, analysis and statistic sale’s figure, manager POS terminal. This user may have training how to use the system (environment is supported by software and hardware) and does not training about business process. | |
| Provide Assumptions:  The head office manager will provide:  Textual store information for management store  Textual product information for management product  POS information for management POS terminal  The figure for creation and configuration the price of product  The parameter for analysis and statistics sale’s figure | |
| Requires Assumptions:  The system will provide:  An environment to aid in management store, product and POS terminal  A ability for creation and configuration store, product and POS terminal  A capability to analysis and statistics sale’s figure | |
| Identified Use cases: | |

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| --- | --- |
| ENTITY NAME: Store Manager | ENTITY ID: E04 |
| Description: The store manager is a human of system that will responsible for manage member. This user may have training how to use the system (environment is supported by software and hardware) and does not training about business process. | |
| Provide Assumptions:  The store manager will provide for system:  Textual member information to manage member | |
| Requires Assumptions:  The system will provide:  An environment to aid in management member  A abilities for creation and configuration member information | |
| Identified Use cases: | |

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| --- | --- |
| ENTITY NAME: Member | ENTITY ID: E05 |
| Description: The member is a human of system that will responsible for view self- member information. This user does not need any training about business process and work flow in Sales system. | |
| Provide Assumptions:  Provide member information for management user (view member information) | |
| Requires Assumptions:  The system will provide:  An environment to aid in view their information and input their member code | |
| Identified Use cases: | |

1. **Usecase Diagram and Usecase Description**

***Note Table:***











## Import Student record data

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | UC.HS.001 | | |
| **Use case Name:** | Import Student record data | | |
| **Created By:** | Thanh Giang | **Last Updated By:** |  |
| **Date created:** | 24/5/2012 | **Date Last Updated:** |  |

|  |  |
| --- | --- |
| **Actor:** | The Training department officers |
| **Description:** | This feature allow user to import student record data (with original information) |
| **Trigger:** | 1. Information does not contain special characters 2. Last Name and first name 3. Faculty 4. Current address 5. Class ( alpha + number)   Giới tính |
| **Preconditions:** | Student record exist  The training department officer must log into SRM system. |
| **Post conditions:** | List of Student Records is saved into database. |
| **Normal Flows:** | 1. User select file to import into database 2. User saves data into database of system. 3. System shall notice to user that data is saved into database. |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Includes:** |  |
| **Priority:** | High |
| **Frequency of Use:** | One month |
| **Business Rules:** |  |
| **Special Requirements:** |  |
| **Assumptions:** |  |
| **Notes and Issues:** |  |

* **Use case Login**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | UC.HS.001 | | |
| **Use case Name:** | Login | | |
| **Created By:** | Thanh Giang | **Last Updated By:** |  |
| **Date created:** | 24/5/2012 | **Date Last Updated:** |  |

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| --- | --- |
| **Actor:** | **All user** |
| **Description:** | Allow user login to system |
| **Trigger:** | * Login Username don’t contains special characters * Password length between 6-13 characters |
| **Preconditions:** | Account has been created |
| **Post conditions:** | Can login to system |
| **Normal Flows:** | 1. User input Username and Password 2. User clicks “login” button (Submit) 3. System defined username and password correctly and switch to user interface. 4. User login activities are recorded in system diary. |
| **Alternative Flows:** | 1. User selects "Forget Password" 2. System shows message "Please check with the admin to get the correct ID or password" 3. User clicks "OK" 4. System shutoff message, return to login screen |
| **Exceptions:** | When user cannot login because password is incorrectly, system will inform user should contact administrator for password recovery |
| **Includes:** |  |
| **Priority:** | High |
| **Frequency of Use:** | Multiple |
| **Business Rules:** |  |
| **Special Requirements:** |  |
| **Assumptions:** |  |
| **Notes and Issues:** |  |

* **Use case logout**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | UC.HS.001 | | |
| **Use case Name:** | Logout | | |
| **Created By:** | Thanh Giang | **Last Updated By:** |  |
| **Date created:** | 24/5/2012 | **Date Last Updated:** |  |

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| --- | --- |
| **Actor:** | **All user** |
| **Description:** | Allow user logout when not use program |
| **Trigger:** |  |
| **Preconditions:** | Account must be logged into the system |
| **Post conditions:** | User account is logout of the system. The system is ready for user login. |
| **Normal Flows:** | 1. User selects the function logout or click the button [x] in the upper right of the screen of the program 2. System will confirm the logout of the user by the message "Are you sure to logout?" 3. User confirm the logout , selects "OK" 4. System allows user exit program |
| **Alternative Flows:** |  |
| **Exceptions:** |  |
| **Includes:** |  |
| **Priority:** | High |
| **Frequency of Use:** | Multiple |
| **Business Rules:** |  |
| **Special Requirements:** |  |
| **Assumptions:** |  |
| **Notes and Issues:** |  |

* **Use case Change password**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | UC.HS.001 | | |
| **Use case Name:** | **Change password** | | |
| **Created By:** | Thanh Giang | **Last Updated By:** |  |
| **Date created:** | 24/5/2012 | **Date Last Updated:** |  |

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| --- | --- |
| **Actor:** | **Training Department Officer, Faculty Officer, The Head Master** |
| **Description:** | This function allows user to change system default password to personal password. |
| **Trigger:** | Account and password are determined |
| **Preconditions:** | User login to account with username and password that the system provides change password function is selected |
| **Post conditions:** | Change password successful |
| **Normal Flows:** | 1. User input old password (Current Password) 2. User input new password (New Password) 3. User input new password again (Confirm new Password) 4. User selects "OK" to change password 5. User selects “Cancel” to cancel change password 6. The system save user new password |
| **Alternative Flows:** |  |
| **Exceptions:** | * When user enter the "Confirm new password" wrong: The system fill red confirm the password for the user to re-enter the correct * Where the user enter the "Current password" wrong: The system fill red the "Current password" for the user to re-enter the correct |
| **Includes:** |  |
| **Priority:** | Low |
| **Frequency of Use:** | Few |
| **Business Rules:** |  |
| **Special Requirements:** |  |
| **Assumptions:** |  |
| **Notes and Issues:** |  |

* **Use case Create new user account**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | UC.HS.001 | | |
| **Use case Name:** | **Create account for user** | | |
| **Created By:** | Thanh Giang | **Last Updated By:** |  |
| **Date created:** | 24/5/2012 | **Date Last Updated:** |  |

|  |  |
| --- | --- |
| **Actor:** | Admin |
| **Description:** | Function allows admin create account for user |
| **Trigger:** | Information don’t contain special characters |
| **Preconditions:** | Admin login successful  Interface of user management ready for user interaction. User selects to the "create new user" to enter create’s interface |
| **Post conditions:** | User account is created  System stores the new account is created to database |
| **Normal Flows:** | 1. The system automatically increases employee code and selects the current date to the date of creation 2. User fill in account information:   Username:  Personal information:  Name  Date of birth  Live’s place ...   1. User assigned permissions for the account 2. User clicks "save" to finish create account 3. New account information will be saved to the database 4. The system still display information is created to interface of create, user want to escape clicks "cancel" 5. The system returns to main interface of account management |
| **Alternative Flows:** |  |
| **Exceptions:** | Fill lack information in one of section |
| **Includes:** |  |
| **Priority:** | High |
| **Frequency of Use:** |  |
| **Business Rules:** |  |
| **Special Requirements:** |  |
| **Assumptions:** |  |
| **Notes and Issues:** |  |

* **Use case Edit account information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | UC.HS.001 | | |
| **Use case Name:** | **Edit account information** | | |
| **Created By:** | Thanh Giang | **Last Updated By:** |  |
| **Date created:** | 24/5/2012 | **Date Last Updated:** |  |

|  |  |
| --- | --- |
| **Actor:** | Admin |
| **Description:** | This function allows the user to view details of an account, and can update or edit that information: assigned permission, lock accounts, reset passwords |
| **Trigger:** | 1. User login to system by admin account 2. System shows a list of users is created. 3. User selects account and clicks “update user information” |
| **Preconditions:** | Admin login successful  Account must exist to modify  Interface of user management ready for user interaction. |
| **Post conditions:** | System saved account information is edit into the database |
| **Normal Flows:** | 1. User can change the entries as:    1. Personal information:       1. Date of birth (optional, can change or not)       2. Place to live (optional, can change or not)       3. …    2. User can change the status of the account 2. User clicks "save" to complete the edit information 3. The information of the account changes are saved to the database 4. Recorded in user activity log edit account information |
| **Alternative Flows:** | * 1. ***Reset accout***       1. Selects account need to recovery in accounts table      2. User selects reset password function ( )      3. System shows message: are you sure, you want to reset password for account?      4. User selects "ok"      5. System restores default password for account and displays message “reset password successful"      6. User clicks "ok"      7. System return to interface of account management |
| **Exceptions:** |  |
| **Includes:** |  |
| **Priority:** | Low |
| **Frequency of Use:** |  |
| **Business Rules:** |  |
| **Special Requirements:** |  |
| **Assumptions:** |  |
| **Notes and Issues:** |  |

* **Use case show accounts by list**

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID:** | UC.HS.001 | | |
| **Use case Name:** | **Show accounts by list** | | |
| **Created By:** | Thanh Giang | **Last Updated By:** |  |
| **Date created:** | 24/5/2012 | **Date Last Updated:** |  |

|  |  |
| --- | --- |
| **Actor:** | Admin |
| **Description:** | This function allows the user to view accounts by list with multiple criteria depending on user choice |
| **Trigger:** |  |
| **Preconditions:** | Admin login successful  System and functions ready for operation |
| **Post conditions:** | System displays account has been created in the database |
| **Normal Flows:** | The system displays all the account has been created in the list on the main interface |
| **Alternative Flows:** | ***Search user account:***   1. User can search account with multiple criteria by typing in the box “search”  * Username.  1. The system displays the database accounts found in the accounts table. |
| **Exceptions:** |  |
| **Includes:** |  |
| **Priority:** | Low |
| **Frequency of Use:** |  |
| **Business Rules:** |  |
| **Special Requirements:** |  |
| **Assumptions:** |  |
| **Notes and Issues:** |  |