# Software Requirement Specification

## User Requirement Specification

### Admin requirement

Admin is people who manages staff. Administrator can use some following functions:

* Manage account includes:
* Delete account
* Update account
* Insert account

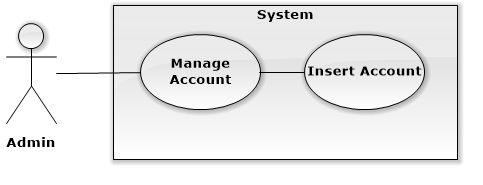
## System Requirement Specification

### List of Use Case

* + - 1. **Web Application**
         1. **<Admin> Overview Use Case**

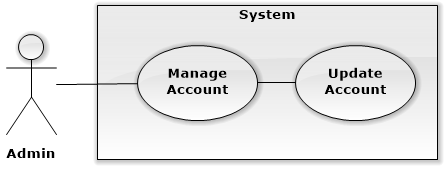
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* + - * 1. **<Admin> Insert Account**

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| USE CASE – WA01 | | | |
| Use Case No. | WA01 | **Use Case Version** | 2.0 |
| Use Case Name | Insert Account | | |
| Author | KhuongMH | | |
| Date | 23/09/2015 | **Priority** | High |
| Actor:   * Admin   Summary:   * This use case allows admin to create new account in system.   Goal:   * Admin can create new account.   Triggers:   * Admin sends command to create new account in system.   Preconditions:   * User has to log in to the system as Admin role.   Post Conditions:   * Success: New account will be created for doctor, nurse or staff. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Admin goes to the register form. | System list information of account in system and components:   * Full Name: free text input, required, length 3 - 80 * Email: free text input, required, length 5 - 45 * Role: select one of the options * Date Of Birth: Date, required, value from 1900 to current year. * Gender: select one of the options. * Button imports excel list of information of account. * Button sends register command. * Button cancels register process. | | 2 | Admin fills in information of account.  [Alternative 1, 2] | System validate inputted information.  [Exception 1] | | 3 | Admin sends command to register new account with inputted information to system. | System shows message account has been created successfully.  [Exception 2] |   Alternative Scenario:  [Alternative 1]   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Admin click on Cancel button to cancel the register process. | System redirect to previous page. |   [Alternative 2]   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Admin import excel included list of information of accounts |  | | 2 | Admin sends command to create list of account to system. | System shows message account has been created successfully.  [Exception 1] |   Exceptions:  [Exception 1]   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Admin inputs invalid data. | System notices admin to fill:   * Full Name: System ask admin to input full name. * Email: System ask admin to input email. * Date of Birth: System ask admin to input date. |   [Exception 2]   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Admin sends command to create new account to system | System shows error message user cannot create because duplicated username. |   Relationships: N/A  Business Rules:   * New Account will be created with status De-actived. * System must ensure has not duplicated username. * When admin add account from register form, system will automatic generate username by splitting FullName, random password and save it to system, for example:  |  |  |  | | --- | --- | --- | | **FullName** | **Username** | **Password** | | Man Huynh Khuong | KhuongMH | <random> |  * When admin import a file excel included list of information about accounts, system will read file and generate username and password for each in list and save it to system. | | | |

**1.2.1.1.3 <Admin> Update Account**

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| USE CASE – WA02 | | | |
| Use Case No. | WA02 | **Use Case Version** | 2.0 |
| Use Case Name | Update Account | | |
| Author | KhuongMH | | |
| Date | 23/09/2015 | **Priority** | High |
| Actor:   * Admin   Summary:   * This use case allows admin to update account’s profile.   Goal:   * Updating new information of account in system.   Triggers:   * Admin sends command to update account’s profile to system.   Preconditions:   * User has to log in to the system as Admin role. * Admin selected an available account before.   Post Conditions:   * Success: New information of account will update to system. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Admin goes to see account’s profile | System list out information of account in system and components:   * Username: free text input, read-only * New Password: free text input, least length is 6 * Confirm New Password: free text input, least length is 6 * Full Name: free text input, length 3 - 80 * Address: free text input, length 3 - 250 * Role: select one of the options * Status: select one of the options * Update: Button * Cancel: Button | | 2 | Admin fill in updated information of account and click on update button.  [Alternative 1] | System validate inputted information.  [Exception 1] | | 3 | Admin sends command to update account to system. | System shows message account has been updated successfully. |   Alternative Scenario:  [Alternative 1]   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Admin cancels the register process. | System redirect to previous page. |   Exceptions:  [Exception 1]   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Admin inputs invalid data. | System notices admin to fill:   * Full Name: System ask admin to input full name. * Email: System ask admin to input email. * Date of Birth: System ask admin to input date. |   Relationships: N/A  Business Rules:   * Account must be existed in the system. | | | |

**1.2.1.1.4 <Admin> Delete Account**



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| USE CASE – WA02 | | | |
| Use Case No. | WA02 | **Use Case Version** | 2.0 |
| Use Case Name | Delete Account | | |
| Author | KhuongMH | | |
| Date | 24/09/2015 | **Priority** | High |
| Actor:   * Admin   Summary:   * This use case allows admin to delete account in system.   Goal:   * Deleting account in system.   Triggers:   * Admin sends command to delete account in system.   Preconditions:   * User has to log in to the system as Admin role.   Post Conditions:   * Success: Admin is able to delete account. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Admin sends command to delete account to system. | System shows message options to confirm command. | | 2 | Admin confirms to delete account  [Alternative 1] | System delete account in system and show message deleting successful. |   Alternative Scenario:  [Alternative 1]   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Admin cancel confirmation to delete account | System abort to delete account. |   Exceptions: N/A  Relationships: N/A  Business Rules:   * Account must be existed in system. * If account role is doctor, the account must not be treating any patients * System has to have least 1 doctor and 1 nurse. * Administrator can’t delete themselves. | | | |

**1.2.1.2.1 <Scheduler> Remind Patient**

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| USE CASE – WA03 | | | |
| Use Case No. | WA03 | **Use Case Version** | 2.0 |
| Use Case Name | Remind Patient | | |
| Author | KhuongMH | | |
| Date | 03/10/2015 | **Priority** | High |
| Actor:   * Scheduler   Summary:   * This use case allows scheduler remind patient.   Goal:   * Patient can be reminded by scheduler to use medicines, eat, do practice.   Triggers:   * The time hits configured time.   Preconditions:   * Remind time has been configured.   Post Conditions:   * Success: Device notify to patients. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | System checks the current time, if it hits configured time, it notify to patient. | * Show message to notify patient which food they must eat, which medicine they must use. |   Alternative Scenario: N/A  Exceptions: N/A  Relationships: N/A  Business Rules:   * Timer repeat every 5’ for reminding patient if patient forgets. | | | |

**1.2.1.2.2 <Scheduler> Synchronize Data.**

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| USE CASE – WA03 | | | |
| Use Case No. | WA03 | **Use Case Version** | 2.0 |
| Use Case Name | Synchronize Data | | |
| Author | KhuongMH | | |
| Date | 03/10/2015 | **Priority** | High |
| Actor:   * Scheduler   Summary:   * This use case allows scheduler send data to server.   Goal:   * Help doctor tracking patient’s illness status.   Triggers:   * The time hits configured time.   Preconditions:   * Patient’s device must have new data of wristband. * Application is opened before.   Post Conditions:   * Success: Server receive data from patient. * Fail: Log error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | System checks the current time, if it hits configured time, it send data to server. | System get saved data of wristband in android application.  System send data to server.  [Exception 1, 2] |   Alternative Scenario: N/A  Exceptions:  [Exception 1]   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | System timer task is interrupted | No notification will be sent. Error detail will be tracked in a log file. |   [Exception 2]   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | System lost connection | System show message to notice patient. |   Relationships: N/A  Business Rules: | | | |