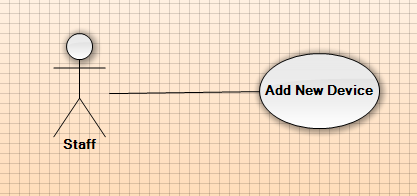
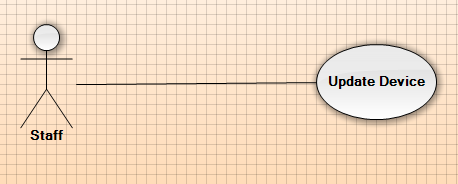
<Staff> Add New Device



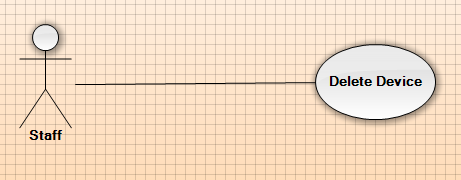
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| **USE CASE - UCA01** | | | |
| **Use Case No.** | UCA01 | **Use Case Version** | 1.1 |
| **Use Case Name** | Add New Device | | |
| **Author** | Ha Kim Quy | | |
| **Date** | 24/09/2015 | **Priority** | Normal |
| **Actor:**   * Staff   **Summary:**   * This use case allows staff can add new device.   **Goal:**   * System can read new wristband. Patient can use many type wristband.   **Triggers:**   * Staff sends the add new device command.   **Preconditions:**   * Customer have to have staff role.   **Post Conditions:**   * **Success:** Device insert into database. * **Fail:** Error message displayed that wrong data input.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | * Staff click “Add Device” button | System requires input information:   * UUID have to start with “0000” * Brand Name: text * Brand UUID: text * Number of Step UUID: text * Position Number of Step: text   Text input UUID have to have example: **0000180a**  All field have to required input. | | 2 | * Staff input Brand Name, UUID Brand Name, UUID Number of Step, Position of Number of Step. * Staff click “Add” button | System will save new Device Information to database and update list device for staff.  [Alternative 1]  [Exception 1, 2] |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Staff enter device had exist in system. | Display error message: “This device had added in system.” |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Missing of required fields | System shows error message to ask staff input missing required field.. | | 2 | Wrong format of UUID | System notify staff use right format of UUID |   **Relationships:** N/A  **Business Rules:**   * UUID have to right format of Bluetooth standard on page <https://developer.bluetooth.org/gatt/characteristics/Pages/CharacteristicsHome.aspx> * After add finish, staff will see list device. * System will be insert new device to database. | | | |

<Staff> Update Device



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| **USE CASE - UCA01** | | | |
| **Use Case No.** | UCA01 | **Use Case Version** | 1.1 |
| **Use Case Name** | Update Device | | |
| **Author** | Ha Kim Quy | | |
| **Date** | 24/09/2015 | **Priority** | Normal |
| **Actor:**   * Staff   **Summary:**   * This use case allows staff can update device.   **Goal:**   * Patient can use wristband if manufacture chang UUID to save number of step.   **Triggers:**   * Staff sends the update device command.   **Preconditions:**   * Customer have to have staff role. * Staff select a device exist in system.   **Post Conditions:**   * **Success:** Device information will be updated. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff edit information of one device and update | System required input these field:   * UUID have to start with “0000” * Brand Name: text * Brand UUID: text * Number of Step UUID: text * Position Number of Step: text   Text input UUID have to have example: **0000180a**   * All field have to required input. * System show list devices.   [Exception 1, 2] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Missing of required fields | System shows error message to ask staff input missing required field.. | | 2 | Wrong format of UUID | System notify staff use right format of UUID |   **Relationships:** N/A  **Business Rules:**   * UUID have to right format of Bluetooth standard on page <https://developer.bluetooth.org/gatt/characteristics/Pages/CharacteristicsHome.aspx> * After add finish, staff will see list device. * System will be update device to database. | | | |

<Staff> Delete Device

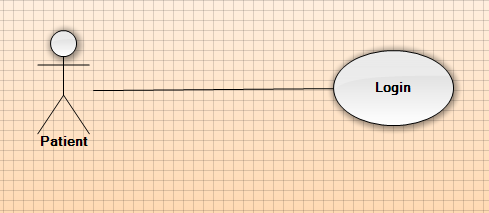


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| **USE CASE - UCA01** | | | |
| **Use Case No.** | UCA01 | **Use Case Version** | 1.1 |
| **Use Case Name** | Delete Device | | |
| **Author** | Ha Kim Quy | | |
| **Date** | 23/09/2015 | **Priority** | Normal |
| **Actor:**   * Staff   **Summary:**   * This use case allows staff delete device.   **Goal:**   * System remove some device had been input wrong information or does not exist in market.   **Triggers:**   * Staff sends delete device command.   **Preconditions:**   * Customer have to have staff role. * Staff select delete a device exist in system.   **Post Conditions:**   * **Success:** Device will be delete. * **Fail:** Show error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff go to manage device view. | * Display list device supported. | | 2 | Staff select delete one device in list | * Display new list device supported. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:** none  **Business Rules:**   * Device have to exist in system. | | | |

<Scheduler> Get Data From Wristband

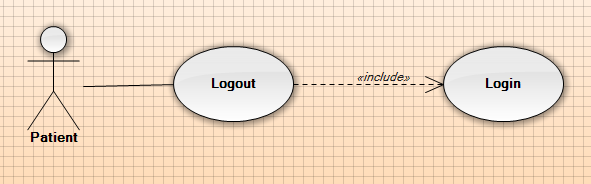
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| **USE CASE - UCA01** | | | |
| **Use Case No.** | UCA01 | **Use Case Version** | 1.1 |
| **Use Case Name** | Get Data From Wristband | | |
| **Author** | Ha Kim Quy | | |
| **Date** | 24/09/2015 | **Priority** | Normal |
| **Actor:**   * Scheduler   **Summary:**   * This use case allows scheduler .   **Goal:**   * Scheduler get data of wristband and save in local of android application.   **Triggers:**   * Patient does not close application and bring wristband near with smartphone.   **Preconditions:**   * None.   **Post Conditions:**   * **Success:** Save data of wristband in local of android application and get data from wristband after 10 second. * **Fail:** Get data from wristband after 10 seconds.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 |  | System auto tracking to get data from wristband |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:** none  **Business Rules:** | | | |

<Patient> Login



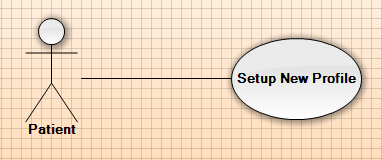
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| **USE CASE - UCA01** | | | |
| **Use Case No.** | UCA01 | **Use Case Version** | 1.1 |
| **Use Case Name** | Log in | | |
| **Author** | Ha Kim Quy | | |
| **Date** | 23/09/2015 | **Priority** | Normal |
| **Actor:**   * Patient   **Summary:**   * This use case allows patient logging into system.   **Goal:**   * Patient can view the main page of android application.   **Triggers:**   * Patient input username and password on login page, then press “Log in”.   **Preconditions:**   * None.   **Post Conditions:**   * **Success:** Main page displayed. * **Fail:** Error message displayed that wrong username or password.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User input username and password, then press “Log in” button. | * Display main page if username and password are valid. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | User input username and password, then press “Log in” button. | Display error message: “Wrong username or password.” |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | User input username and password, then press “Log in” button. | Display error page with message: “System has getting error. Please try again later”. |   **Relationships:** none  **Business Rules:**   * The username is not empty or include whitespace, special character, max length is 20 characters. * The password is not empty or include whitespace, special character, max length is 20 characters. | | | |

<Patient> Logout



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| **USE CASE - UCA01** | | | |
| **Use Case No.** | UCA01 | **Use Case Version** | 1.1 |
| **Use Case Name** | Logout | | |
| **Author** | Ha Kim Quy | | |
| **Date** | 24/09/2015 | **Priority** | Normal |
| **Actor:**   * Patient   **Summary:**   * This use case allows patient logout of system.   **Goal:**   * User can logout to change account or out of system.   **Triggers:**   * User select “Logout” button.   **Preconditions:**   * User must be logged in the system.   **Post Conditions:**   * **Success:** Display login layout. * **Fail:** Error message cannot logout system..   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Clicks on “Log out” button. | Display login page.  [Exception 1] |   **Alternative Scenario:** none  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Click on “Log out” button | Display error page with message: “System has getting error. Please try again later”. |   **Relationships:** none  **Business Rules:** none | | | |

<Patient> Setup New Profile



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| **USE CASE - UCA01** | | | |
| **Use Case No.** | UCA01 | **Use Case Version** | 1.1 |
| **Use Case Name** | Setup New Profile | | |
| **Author** | Ha Kim Quy | | |
| **Date** | 24/09/2015 | **Priority** | Normal |
| **Actor:**   * Patient   **Summary:**   * This use case allows patient setup new profile of patient like height, weight.   **Goal:**   * Patient setup new information to help doctor follow status of patient.   **Triggers:**   * Patient select setup new profile.   **Preconditions:**   * User must be logged in the system.   **Post Conditions:**   * **Success:** Display message success. * **Fail:** Showerror message..   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Clicks “Setup Profile” button on menu android application. | Display setup profile layout | | 2 | Patient setup some information and click “Done” button | Display message success and back to home layout  [Exception 1] |   **Alternative Scenario:** none  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Click on “Done” button | Display error page with message: “System has setting error. Please try again later”. |   **Relationships:** none  **Business Rules:** none | | | |