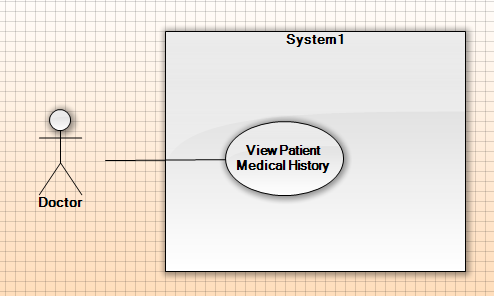
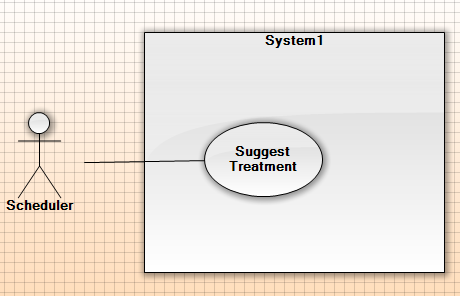
### List of Use Case

##### <Doctor> View Patient Medical History



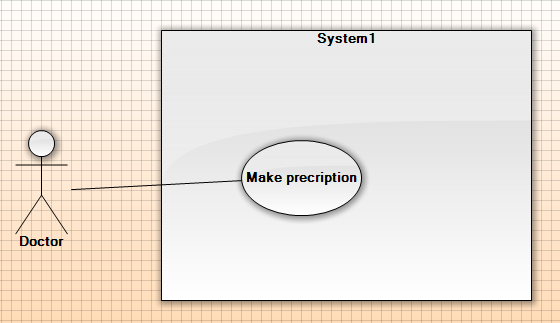
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| **USE CASE – UCA02** | | | |
| **Use Case No.** | UCA01 | **Use Case Version** | 1.1 |
| **Use Case Name** | View Patient Medical History | | |
| **Author** | AnhPN | | |
| **Date** | 16/11/2015 | **Priority** | High |
| **Actor:**   * Doctor.   **Summary:**   * This use case allows Doctor views medical history of patient.   **Goal:**   * Show medical history of patient for doctor.   **Triggers:**   * Doctor sends command to view medical history of patient request.   **Preconditions:**   * User logged in the system by role doctor before. * Doctor selected a patient before.   **Post Conditions:**   * **Success:** Medical history of patient show for doctor. * **Fail:** Show error message   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Doctor goes to view make prescription of patient. | System display   * Name: text, read only. * Age: text, read only. * Gender: text, read only. * Illness: text, read only. * Status: text, read only. * Description: text area, read only. * List day of medical history of patient with information:   + Date: the day when doctor make prescription, format day dd-mm-yyyy, ex: “29-10-2015”.  + Appointment: appointment of Date, format day dd-mm-yyyy, ex: “29-10-2015”.  Suggest treatment information.  Diagnostic: text input with option, required, length 3-40.  - Medicines:  + Name of medicine: text input with option, required.  + Times: text input with option, required, range value 1-6.  + Number of quantity per time: number text input, required, range value 1-10.  + Unit of medicine: text input, required, value depend on medicine.  + Advice: free text input.  - Food:  + Name of food: text input with option, required.  + Time: text input with option, required, range value 1-6.  + Number of quantity per time: number text input, required.  + Unit of food: text input with option, required, value depend on food.  + Advice: free text input.  - Practice:  + Name of practice: free text input, required.  + Time: text input with option, required, range value 1-6.  + Quantitative: free text input, required.  + Advice: free text input.   * Appointment Date: default 1 week form current day, format day “dd/mm/yyyy”.   -Note: free text area. | | 2 | Doctor select an appointment to view. | System display medical history of patient in that day.  Date of appointment: text, read only.  Medicines:  + Name of medicine: text input, read only.  + Times: text input, read only.  + Number of quantity per time: text input, read only.  + Unit of medicine: text input, read only.  + Advice: text input, read only.  - Food:  + Name of food: text input, read only.  + Time: text input, read only.  + Number of quantity per time: text input, read only.  + Unit of food: text input, read only.  + Advice: text input, read only.  - Practice:  + Name of practice: text input, read only.  + Time: text input, read only.  + Quantitative: text input, read only  + Advice: text input, read only. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:** N/A  **Business Rules:**   * List day of medical history of patient is a text input with option or free text with autocomplete and suggest day near the day input. * Sorted descending by day of Date. | | | |

##### <Scheduler> Suggest Treatment



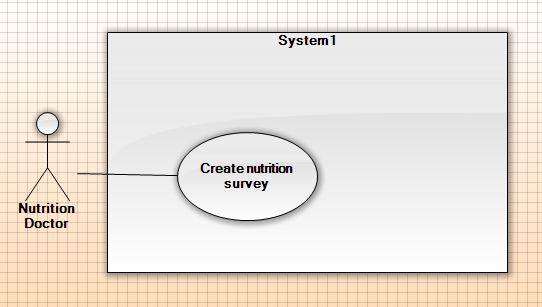
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| **USE CASE – UCA02** | | | |
| **Use Case No.** | UCA02 | **Use Case Version** | 1.1 |
| **Use Case Name** | Suggest Treatment | | |
| **Author** | AnhPN | | |
| **Date** | 16/11/2015 | **Priority** | High |
| **Actor:**   * Scheduler.   **Summary:**   * This use case allows scheduler suggest treatment for doctor.   **Goal:**   * Doctor can be suggested base on regimen.   **Triggers:**   * Doctor send command to make prescription request.   **Preconditions:**   * User log in the system by role doctor. * Doctor selected a patient before.   **Post Conditions:**   * Success: Show suggest treatment. * Fail: Log error.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Doctor goes make prescription of patient view. | System display   * Name: text, read only. * Age: text, read only. * Gender: text, read only. * Illness: text, read only. * Status: text, read only. * Description: text area, read only. * List day of medical history of patient with information:   + Date: the day when doctor make prescription, format day dd-mm-yyyy, ex: “29-10-2015”.  + Appointment: appointment of Date, format day dd-mm-yyyy, ex: “29-10-2015”.  Suggest treatment information.  Diagnostic: text input with option, required, length 3-40.  - Medicines:  + Name of medicine: text input with option, required.  + Times: text input with option, required, range value 1-6.  + Number of quantity per time: number text input, required, range value 1-10.  + Unit of medicine: text input, required, value depend on medicine.  + Advice: free text input.  - Food:  + Name of food: text input with option, required.  + Time: text input with option, required, range value 1-6.  + Number of quantity per time: number text input, required.  + Unit of food: text input with option, required, value depend on food.  + Advice: free text input.  - Practice:  + Name of practice: free text input, required.  + Time: text input with option, required, range value 1-6.  + Quantitative: free text input, required.  + Advice: free text input.   * Appointment Date: default 1 week form current day, format day “dd/mm/yyyy”.   -Note: free text area. | | 2 | Doctor input diagnostic. | System validation information. | |  | Doctor send command to suggest prescription | System display   * Name: text, read only. * Age: text, read only. * Gender: text, read only. * Illness: text, read only. * Status: text, read only. * Description: text area, read only. * List day of medical history of patient with information:   + Date: the day when doctor make prescription, format day dd-mm-yyyy, ex: “29-10-2015”.  + Appointment: appointment of Date, format day dd-mm-yyyy, ex: “29-10-2015”.  Suggest treatment information.  Diagnostic: text input with option, required, length 3-40.  - Medicines:  + Name of medicine: text input with option, required.  + Times: text input with option, required, range value 1-6.  + Number of quantity per time: number text input, required, range value 1-10.  + Unit of medicine: text input, required, value depend on medicine.  + Advice: free text input.  - Food:  + Name of food: text input with option, required.  + Time: text input with option, required, range value 1-6.  + Number of quantity per time: number text input, required.  + Unit of food: text input with option, required, value depend on food.  + Advice: free text input.  - Practice:  + Name of practice: free text input, required.  + Time: text input with option, required, range value 1-6.  + Quantitative: free text input, required.  + Advice: free text input.   * Appointment Date: default 1 week form current day, format day “dd/mm/yyyy”.   -Note: free text area. |   **Alternative Scenario:** N/A  **Exceptions:** N/A  **Relationships:** N/A  **Business Rules:**   * Diagnostic is a text input with option or free text with autocomplete and suggest illness near the illness input. * Doctor input diagnostic, system get regimen treatment for diagnostic. * System compare number of day treatment of patient with range days of regimen phase. * System suggest medical, foods, practices form information of regimen phase. * System must show all medicines with information of times, quantity, unit, note belong medicine. * System must show all foods with information of times, quantity, unit, note belong food. * System must show all practices with information of times, quantity, note belong practice. * If doctor change the diagnostic, current medical history will be finished. New medical history is created. | | | |

##### <Doctor> Make prescription.



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| **USE CASE – UCA06** | | | |
| **Use Case No.** | UCA06 | **Use Case Version** | 1.0 |
| **Use Case Name** | Make prescription | | |
| **Author** | AnhPN | | |
| **Date** | 16/11/2015 | **Priority** | High |
| **Actor:**   * Doctor.   **Summary:**   * This use case allows doctor to make prescription to patient.   **Goal:**   * New prescription data is created.   **Triggers:**   * Doctor send command to make prescription request.   **Preconditions:**   * Actor log in the system by role doctor. * Doctor selected a patient before.   **Post Conditions:**   * **Success:** New prescription is sent to patient. * **Fail:** Display error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Doctor goes make prescription of patient view. | System display   * Name: text, read only. * Age: text, read only. * Gender: text, read only. * Illness: text, read only. * Status: text, read only. * Description: text area, read only. * List day of medical history of patient with information:   + Date: the day when doctor make prescription, format day dd-mm-yyyy, ex: “29-10-2015”.  + Appointment: appointment of Date, format day dd-mm-yyyy, ex: “29-10-2015”.  Suggest treatment information.  Diagnostic: text input with option, required, length 3-40.  - Medicines:  + Name of medicine: text input with option, required.  + Times: text input with option, required, range value 1-6.  + Number of quantity per time: number text input, required, range value 1-10.  + Unit of medicine: text input, required, value depend on medicine.  + Advice: free text input.  - Food:  + Name of food: text input with option, required.  + Time: text input with option, required, range value 1-6.  + Number of quantity per time: number text input, required.  + Unit of food: text input with option, required, value depend on food.  + Advice: free text input.  - Practice:  + Name of practice: free text input, required.  + Time: text input with option, required, range value 1-6.  + Quantitative: free text input, required.  + Advice: free text input.   * Appointment Date: default 1 week form current day, format day “dd/mm/yyyy”.   -Note: free text area. | | 2 | Doctor input diagnostic, medicines, food, practice, Note, appointment date. | System validate information. | | 3 | Doctor send command to submit request. | System display popup finish treatment request for confirmation. | | 4 | Doctor send command to confirmation request.  [Alternative 1] | System create new prescription, display popup information of new prescription , send detail to android application. |   **Alternative Scenario:**  [Alternative 1]   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Doctor send command to No request. | System close popup confirmation. |   **Exceptions: N/A**  **Relationships:** Suggest treatment.  **Business Rules:**   * The prescription must be included medicines, foods and practices. * Appointment date must be in the future and not over 15 days form current day. Format day “dd/mm/yyyy”, ex: 25/09/2015. * Appointment date get default day is next 7 days form current day. | | | |

##### <Nutrition Doctor> Create nutrition survey.



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| **USE CASE – UCA06** | | | |
| **Use Case No.** | UCA06 | **Use Case Version** | 1.0 |
| **Use Case Name** | Create nutrition survey | | |
| **Author** | AnhPN | | |
| **Date** | 16/11/2015 | **Priority** | High |
| **Actor:**   * Nutrition doctor.   **Summary:**   * This use case allows nutrition doctor to create nutrition survey to patient.   **Goal:**   * New nutrition survey is created.   **Triggers:**   * Nutrition doctor send command to create nutrition survey request.   **Preconditions:**   * Actor log in the system by role nutrition doctor. * Doctor selected a patient before.   **Post Conditions:**   * **Success:** New nutrition survey is create. * **Fail:** Display error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Doctor goes make nutrition survey of patient view. | System display   * Breakfast: free number input, required. * Break time morning: free number input, required. * Lunch: free number input, required. * Break time afternoon: free number input, required. * Dinner: free number input, required. * Eat late at night: free number input, required. * Starch: free number input, required. * Protein: free number input, required. * Fat: free number input, required. * Animal protein: free number input, required. * Animal fat: free number input, required. * Calcium: free number input, required. * Sodium: free number input, required. * Iron: free text input, required. * Zinc: free text input, required. * Vitamin B1: free number input, required. * Vitamin C: free number input, required. * Vitamin B2: free number input, required. * Vitamin PP: free number input, required. * Fiber: free number input, required. | | 2 | Doctor input data.  [Alternative 1] | System validate information. | | 3 | Doctor send command to submit request. | System display popup finish nutrition survey request for confirmation. | | 4 | Doctor send command to confirmation request.  [Alternative 2] | System create new nutrition survey. |   **Alternative Scenario:**  [Alternative 1]   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Doctor select input data by voice. | System display micro.   * Breakfast: free text input. * Break time morning: free text input. * Lunch: free text input. * Break time afternoon: free text input. * Dinner: free text input. * Eat late at night: free text input. | | 2 | Doctor use voice to input data. | System compare data, field text input. | | 3 | Doctor send command to suggest request. | System display and field value.   * Breakfast: free number input, required. * Break time morning: free number input, required. * Lunch: free number input, required. * Break time afternoon: free number input, required. * Dinner: free number input, required. * Eat late at night: free number input, required. * Starch: free number input, required. * Protein: free number input, required. * Fat: free number input, required. * Animal protein: free number input, required. * Animal fat: free number input, required. * Calcium: free number input, required. * Sodium: free number input, required. * Iron: free text input, required. * Zinc: free text input, required. * Vitamin B1: free number input, required. * Vitamin C: free number input, required. * Vitamin B2: free number input, required. * Vitamin PP: free number input, required.   - Fiber: free number input, required. |   [Alternative 2]   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Doctor send command to No request. | System close popup confirmation. |   **Exceptions: N/A**  **Relationships:** N/A.  **Business Rules:**  Nutrition doctor can talk: Bữa ... (Exp: Bữa Sáng, Bữa Tối) for select Breakfast, Break time morning, Lunch, Break time afternoon, Dinner, Eat late at night.  Nutrition doctor can talk : Ăn ... (Exp: Ăn Bún, Ăn Phở) for input field  Kcal will estimate depend on number of food when doctor input. | | | |

###### **<Nutrition Doctor> Insert Food’s Nutrition**

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| **USE CASE – UCA06** | | | |
| **Use Case No.** | UCA06 | **Use Case Version** | 1.0 |
| **Use Case Name** | Insert Food’s Nutrition | | |
| **Author** | AnhPN | | |
| **Date** | 19/11/2015 | **Priority** | High |
| **Actor:**   * Nutrition doctor.   **Summary:**   * This use case allows nutrition doctor to create new Food’s Nutrition.   **Goal:**   * New Food’s Nutrition is created.   **Triggers:**   * Nutrition doctor send command to create Food’s Nutrition request.   **Preconditions:**   * Actor log in the system by role nutrition doctor.   **Post Conditions:**   * **Success:** New Food’s Nutrition is create. * **Fail:** Display error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Doctor goes page foods view. | System display   * Food Name: read only. * Food Unit List: read only. * Action : update, delete. | | 2 | Doctor send command to create new food. | System display   * Food name: free text input , required. * Default unit name: free text input, required. * Default calories estimate: free number input, required. * Default nutrition name: free text input, required. * Default nutrition value: free text input, required. | | 3 | Doctor input data. | System validation. | | 4 | Doctor send command to create request.  [Alternative 1] | System create new food |   **Alternative Scenario:**  [Alternative 1]   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Doctor send command to cancel request. | System hide form create new food. |   **Exceptions: N/A**  **Relationships:** N/A.  **Business Rules:**  After doctor send create system will reload new list food. | | | |

###### 1.1.1 <Nutrition Doctor> Update Food’s Nutrition

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| **USE CASE – UCA06** | | | |
| **Use Case No.** | UCA06 | **Use Case Version** | 1.0 |
| **Use Case Name** | Update Food’s Nutrition | | |
| **Author** | AnhPN | | |
| **Date** | 19/11/2015 | **Priority** | High |
| **Actor:**   * Nutrition doctor.   **Summary:**   * This use case allows nutrition doctor to update Food’s Nutrition.   **Goal:**   * Edit information of Food’s Nutrition.   **Triggers:**   * Nutrition doctor send command to update Food’s Nutrition request.   **Preconditions:**   * Actor log in the system by role nutrition doctor.   **Post Conditions:**   * **Success:** Information Food’s Nutrition is edit. * **Fail:** Display error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Doctor goes page foods view. | System display   * Food Name: read only. * Food Unit List: read only. * Action : update, delete. | | 2 | Doctor select food and send command to update food. | System display popup   * Food name : free text input , required. | | 3 | Doctor edit name. | System validation. | | 4 | Doctor send command to update request.  [Alternative 1] | System edit information of food |   **Alternative Scenario:**  [Alternative 1]   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Doctor send command to cancel request. | System hide form update food. |   **Exceptions: N/A**  **Relationships:** N/A.  **Business Rules:**  After doctor send update system will reload new list food. | | | |

###### 1.1.1 <Nutrition Doctor> Delete Food’s Nutrition

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| **USE CASE – UCA06** | | | |
| **Use Case No.** | UCA06 | **Use Case Version** | 1.0 |
| **Use Case Name** | Delete Food’s Nutrition | | |
| **Author** | AnhPN | | |
| **Date** | 19/11/2015 | **Priority** | High |
| **Actor:**   * Nutrition doctor.   **Summary:**   * This use case allows nutrition doctor to delete Food’s Nutrition.   **Goal:**   * Delete Food’s Nutrition.   **Triggers:**   * Nutrition doctor send command to delete Food’s Nutrition request.   **Preconditions:**   * Actor log in the system by role nutrition doctor.   **Post Conditions:**   * **Success:** Food’s Nutrition is delete. * **Fail:** Display error message.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Doctor goes page foods view. | System display   * Food Name: read only. * Food Unit List: read only. * Action : update, delete. | | 2 | Doctor select food and send command to delete food. | System display popup message “Deletion function is disable. Delete food may cause old prescription became wrong!!! “ |   **Alternative Scenario:** N/A  **Exceptions: N/A**  **Relationships:** N/A.  **Business Rules:**  System will warning when doctor try to delete food. | | | |