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| |  |  |  |  | | --- | --- | --- | --- | |  | | **MINISTRY OF EDUCATION AND TRAINING** | | | **FPT UNIVERSITY** | | |
| Capstone Project Document |
| Online Medical Consultant System |
| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | **Group 02 – Report 04** | | | **Group member** | Trần Nguyên Tiến Sứ - Team Leader - SE60781  Trần Cao Danh - Team Member - SE60705 | | **Supervisor** | Mr. Nguyễn Huy Hùng | | **Ext. Supervisor** | N/A | | **Capstone Project code** | OMCS | | |
| * Ho Chi Minh City, 20 June / 2014 – |

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# Definitions, Acronyms, and Abbreviations

# 

# Report No.4: Software Design Description (SDD)

## Design Overview

* This document describes the technical and user interface design of. It includes the architectural design, the detailed design of common functions and business functions and the design of database model.
* The architectural design describes the overall architecture of the system and the architecture of each main component.
* The detailed design describes static and dynamic structure for each component and functions. It includes class diagrams, class explanations and sequence diagrams for each use cases.
* The database design describes the relationships between entities and details of each entity.

## System Architectural Design

### Choice of system architecture



Figure 1: MVC Architecture

**(http://smist08.wordpress.com/tag/mvc/)**

**The Model** is the part of the application that handles the logic for the application data.  
Often model objects retrieve data (and store data) from a database.

**The View** is the parts of the application that handles the display of the data.  
Most often the views are created from the model data.

**The Controller** is the part of the application that handles user interaction.  
Typically controllers read data from a view, control user input, and send input data to the model.

**(**<http://www.w3schools.com/aspnet/mvc_intro.asp>**)**

## Component Diagram

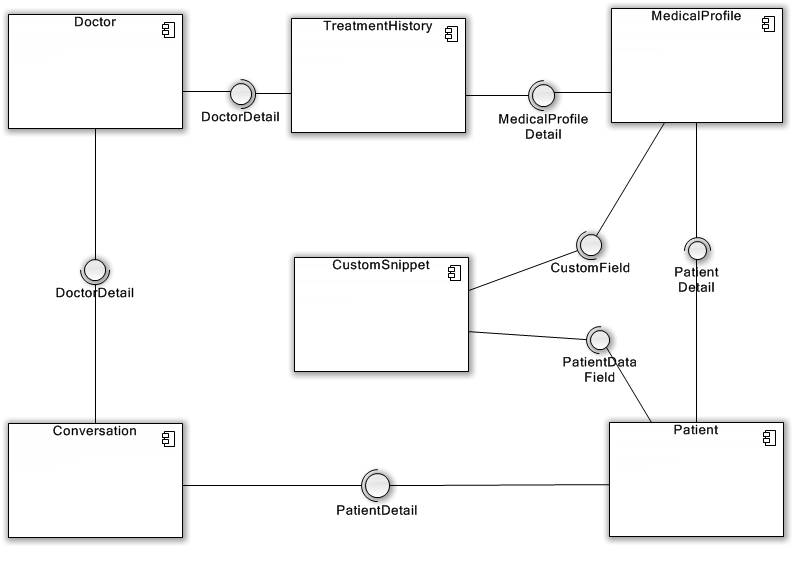


Figure 2: Component Diagram

## Detailed Description of Components

### Class Diagram

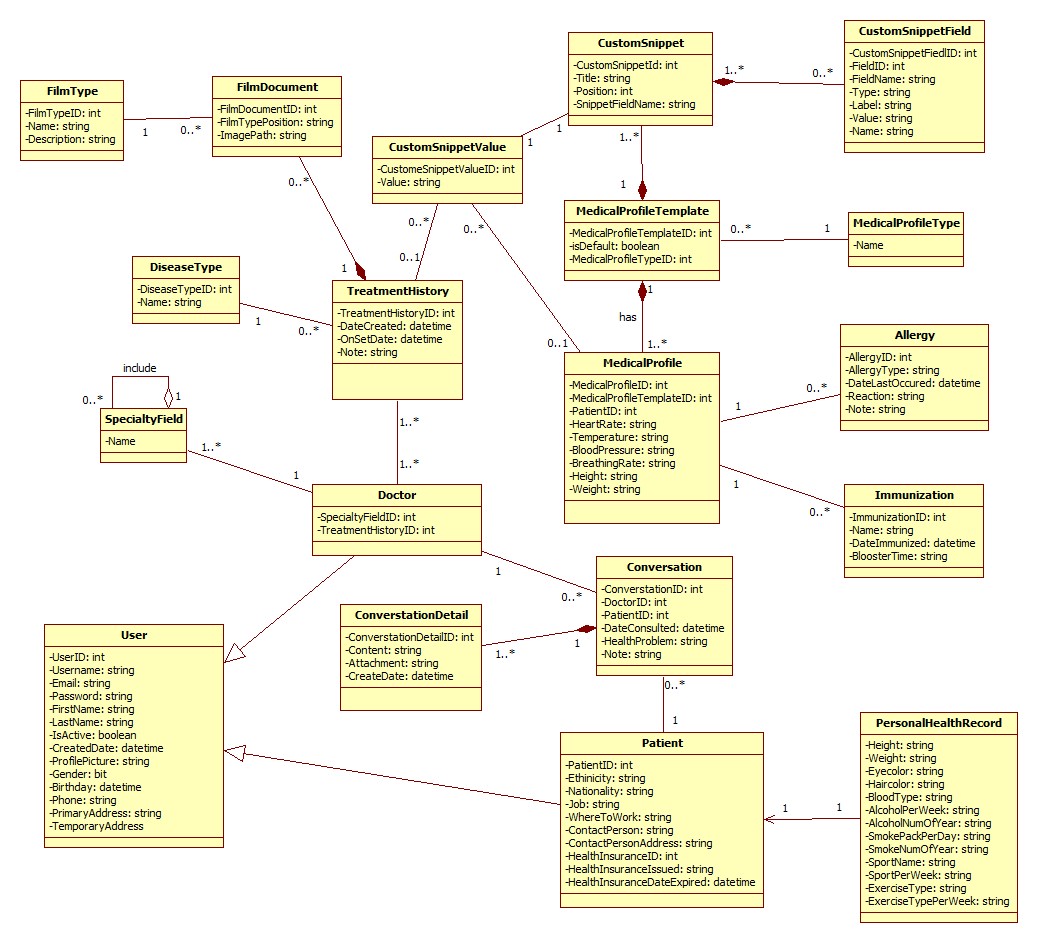


Figure 3: Class Diagram

## Sequence Diagram

### <Guest> Login

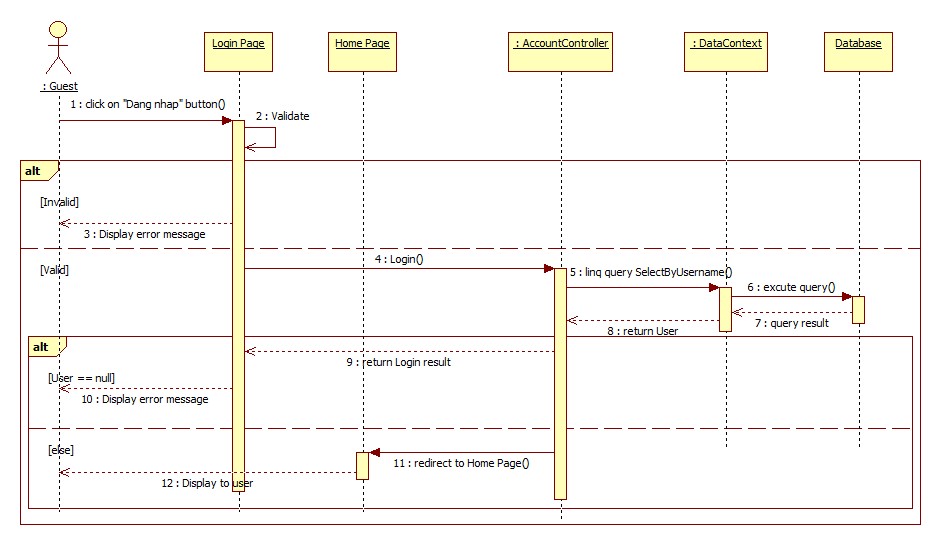


Figure 4: <Guest> Login Sequence Diagram

### <Guest> Register

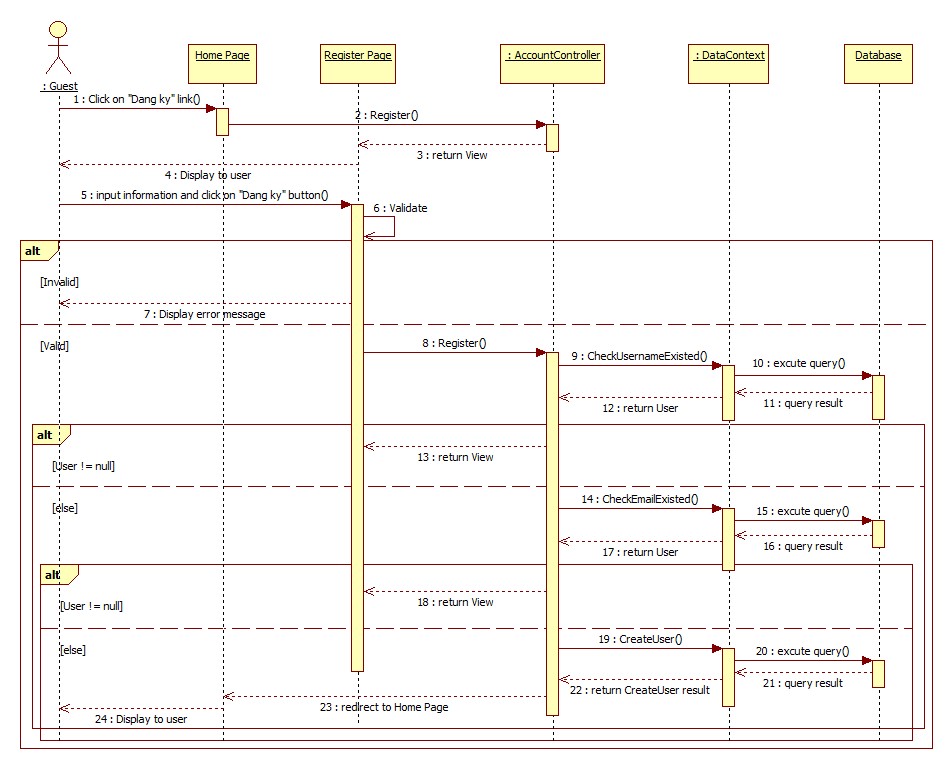


Figure 5: <Guest> Register Sequence Diagram

### <Authorized User> Change Password

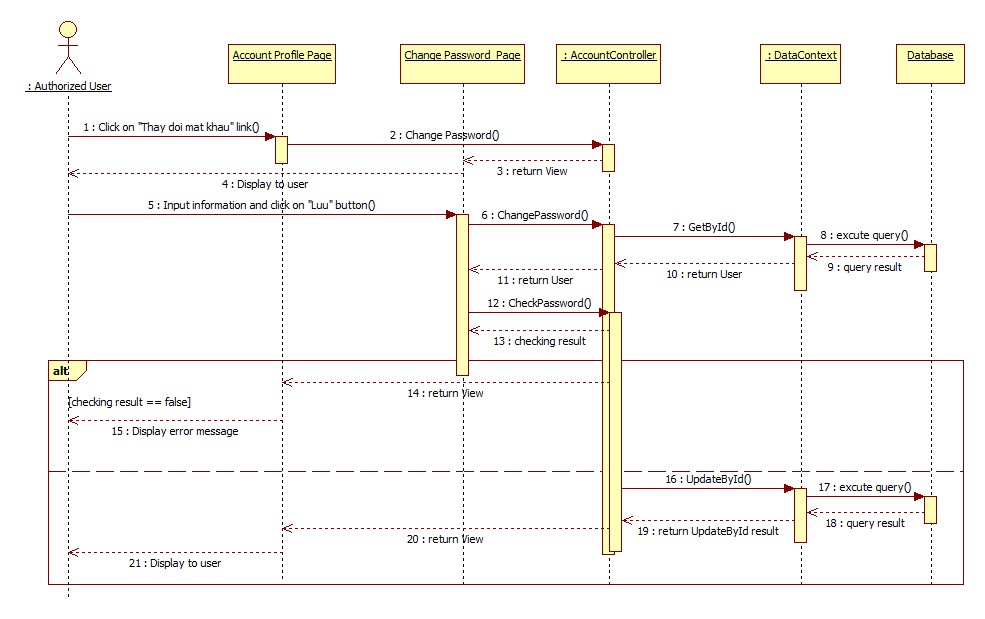


Figure 6: <Authorized User> Change Password Sequence Diagram

### <Authorized User> Change Profile Picture

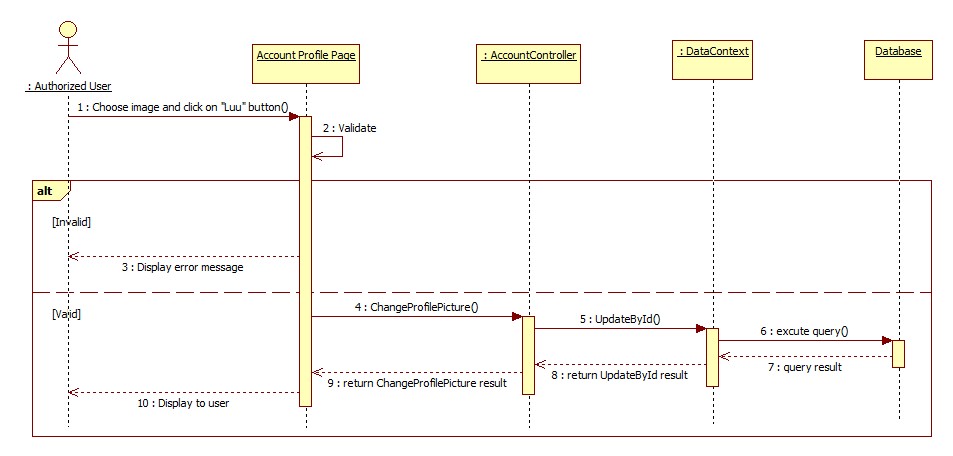


Figure 7: <Authorized User> Change Profile Picture Sequence Diagram

### <Patient> Conversation

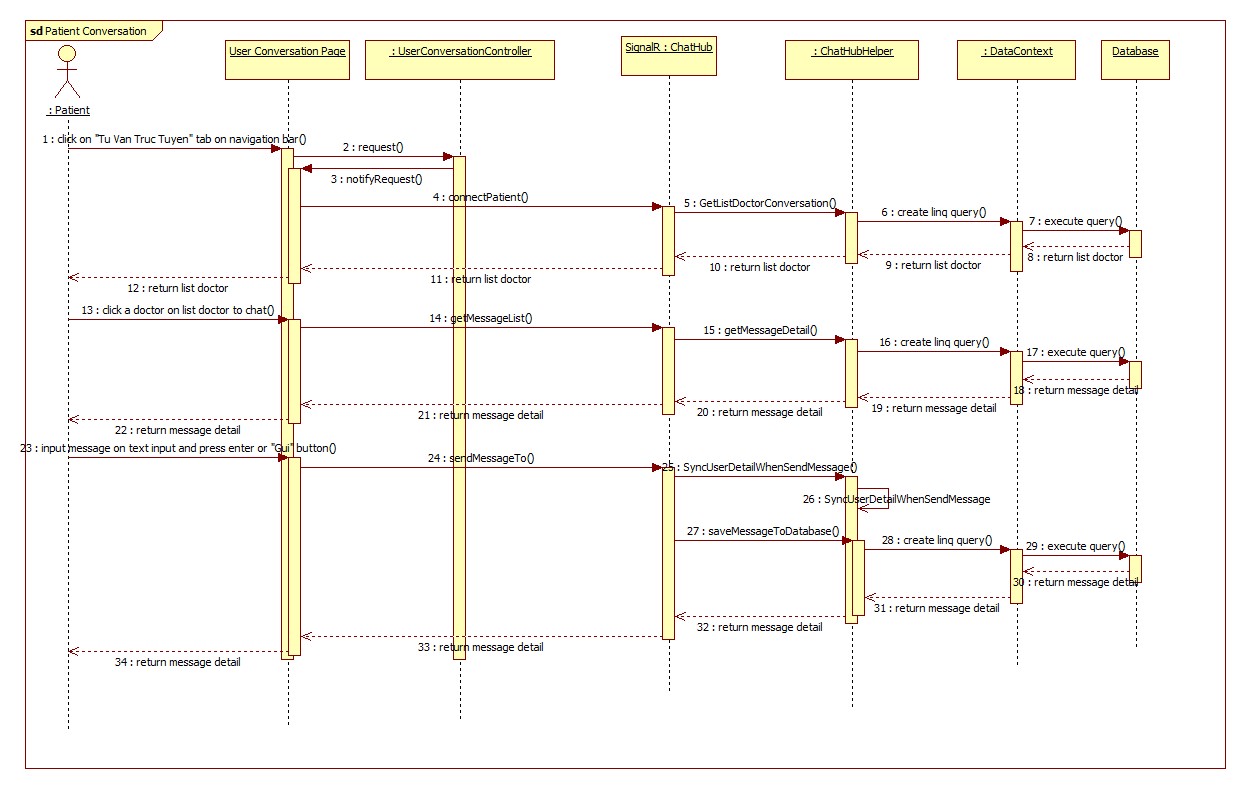


Figure 8: <Patient> Conversation Sequence Diagram

### <Doctor> Request Webcam

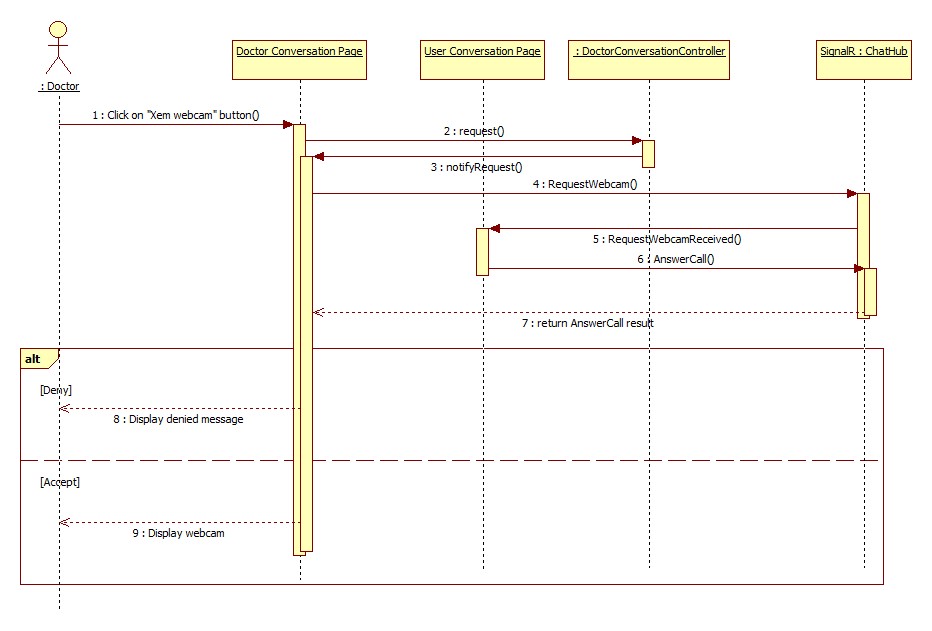


Figure 9: <Doctor> Request Webcam Sequence Diagram

### <Patient> Show Webcam

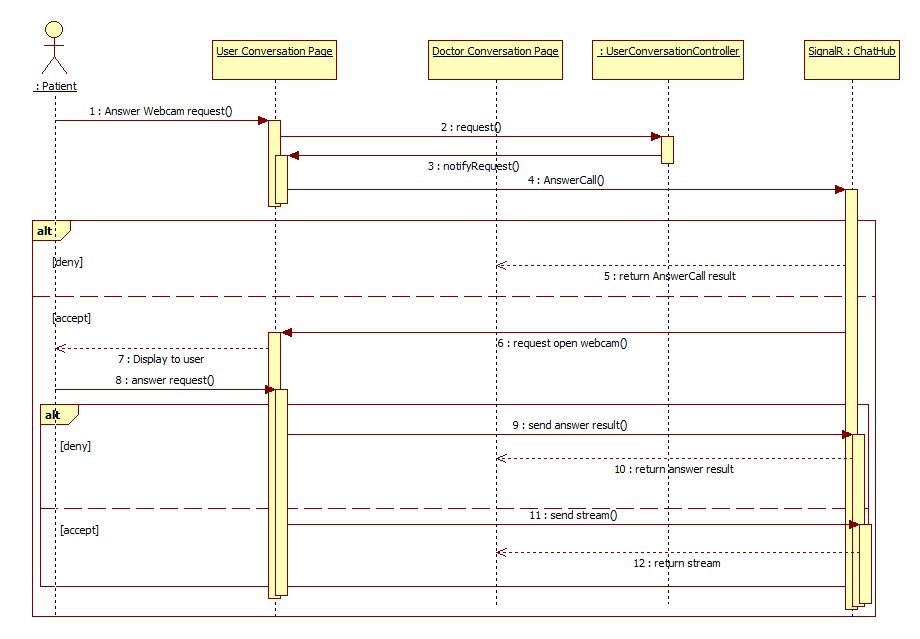


Figure 10: <Patient> Show Webcam

### <Patient> Upload Attachment

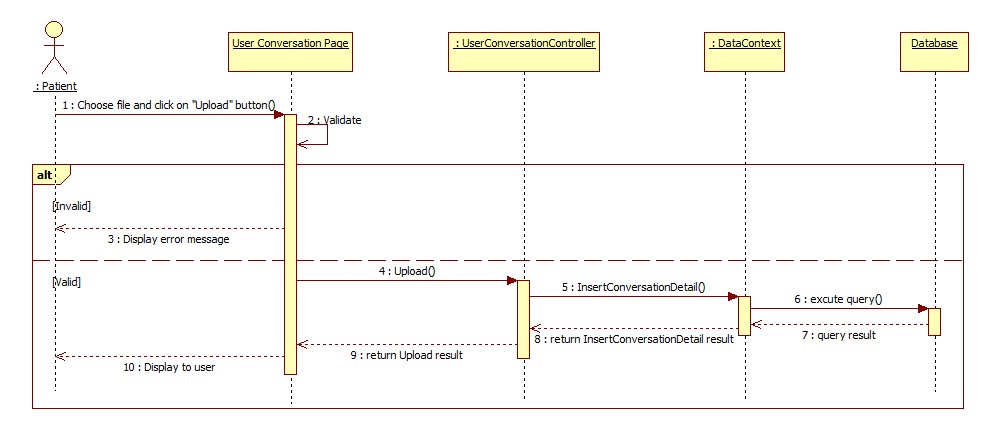


Figure 11: <Patient> Upload Attachment

### <Admin> Define New Medical Profile Template

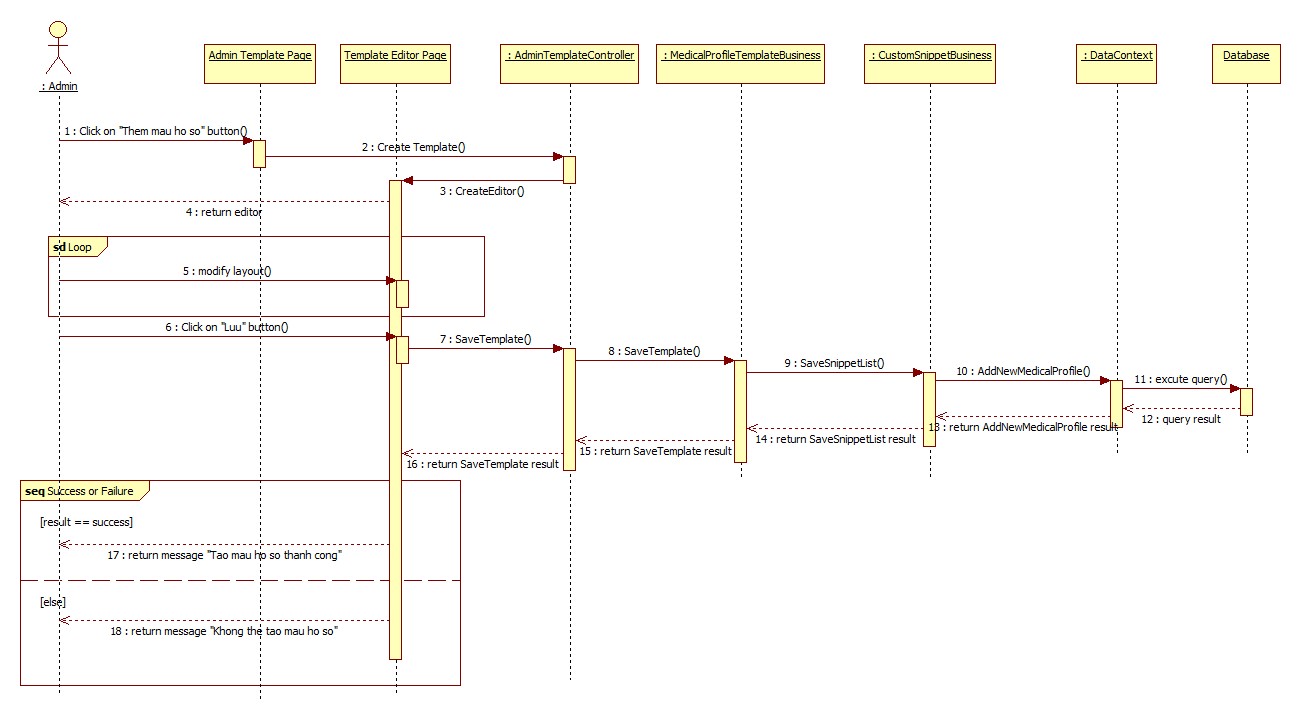
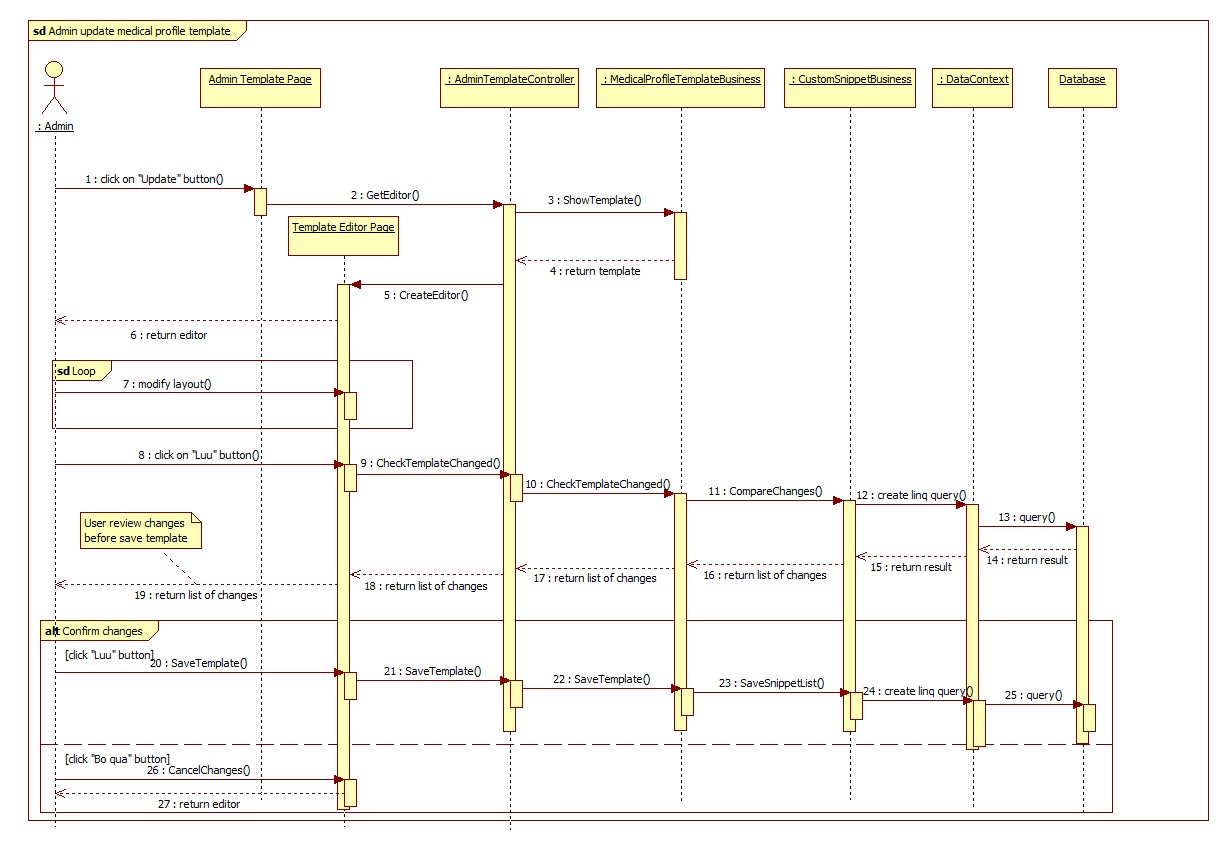


Figure 12: <Admin> Define New Medical Profile Template

### <Admin> Update Medical Profile Template



### <Doctor> Update Medical Profile

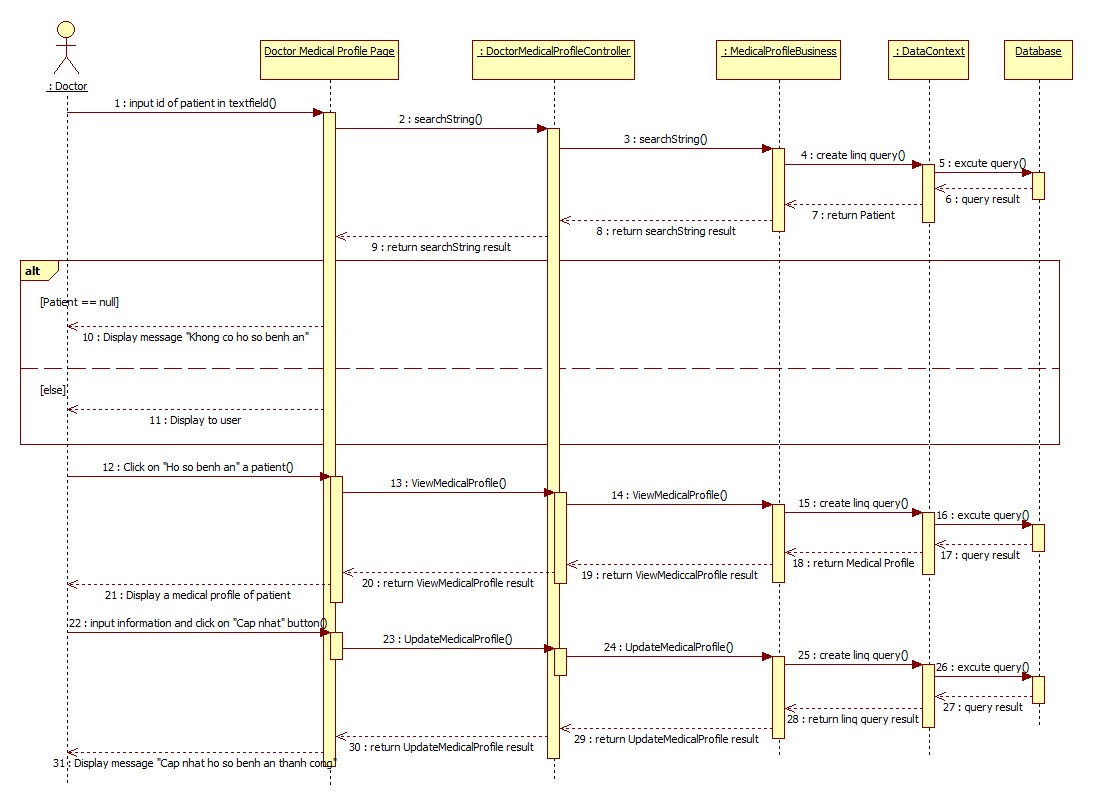


Figure 13: <Doctor> Update Medical Profile

### <Doctor> Views Medical Profile

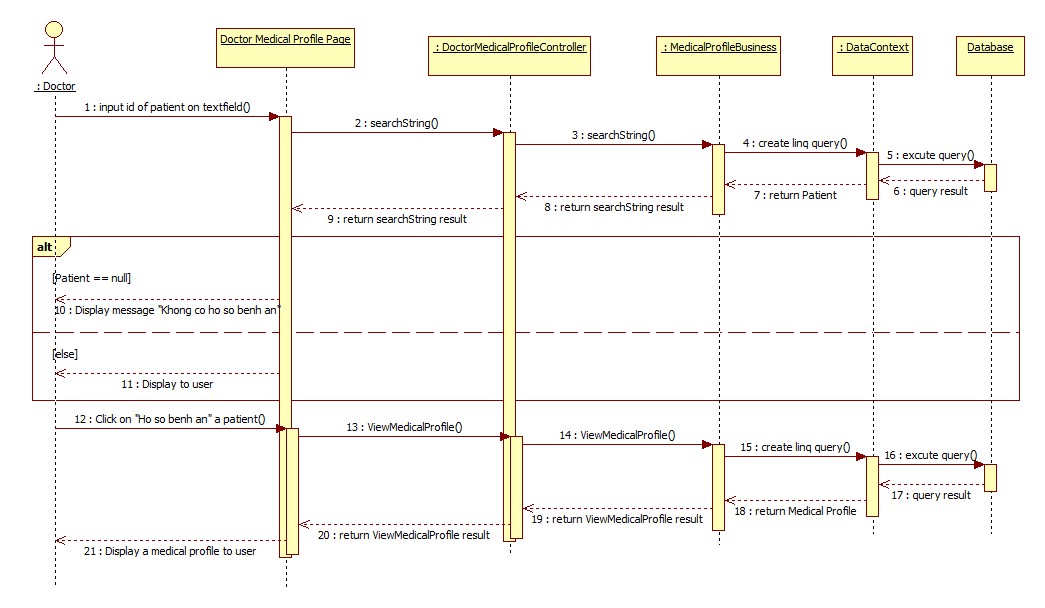


Figure 14: <Doctor> Views Medical Profile

### <Patient> Update Personal Health Record

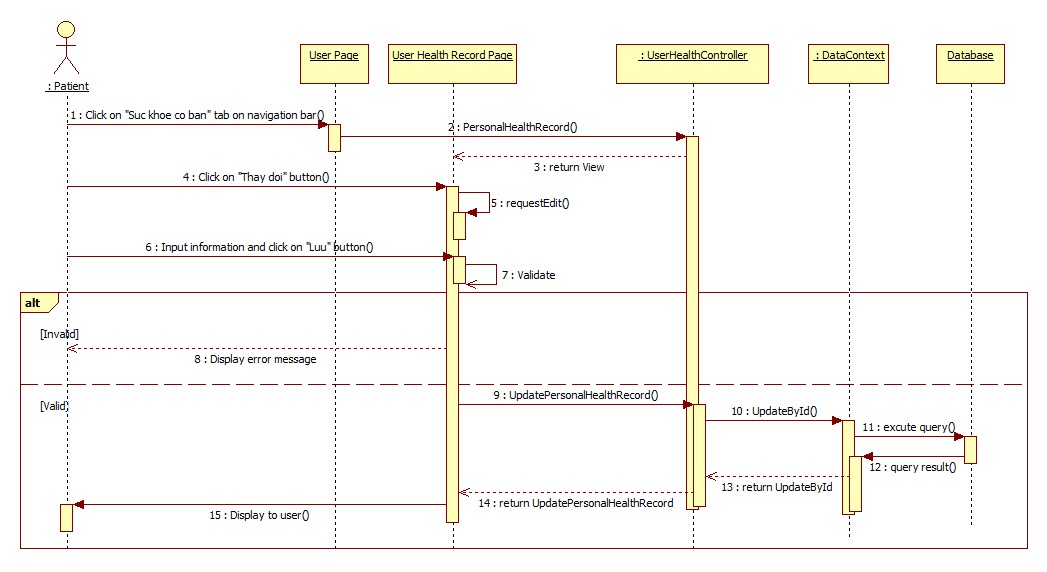


Figure 15: <Patient> Update Personal Health Record

### <Patient> View medical Profile Record

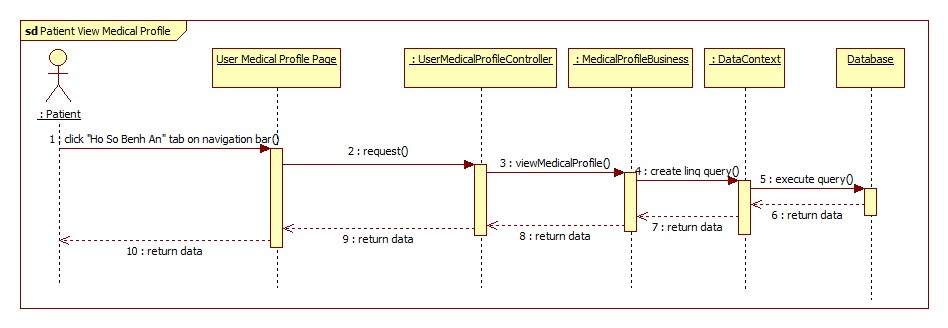


Figure 9: <Patient> View Medical Profile Record

## Database Design

