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| |  |  |  |  | | --- | --- | --- | --- | |  | | **MINISTRY OF EDUCATION AND TRAINING** | | | **FPT UNIVERSITY** | | |
| Capstone Project Document |
| Online Medical Consultant System |
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| * Ho Chi Minh City, 06 / 2014 – |

# Table of Content

[Table of Content 2](#_Toc391147753)

[List of Figures 2](#_Toc391147754)

[Definitions, Acronyms, and Abbreviations 3](#_Toc391147755)

[Report No.4 Software Design Description 4](#_Toc391147756)

[1. Design Overview 4](#_Toc391147757)

[2. System Architectural Design 5](#_Toc391147758)

[3. Component Diagram 6](#_Toc391147759)

[4. Detailed Description of Components 7](#_Toc391147760)

# List of Figures

[Figure 1: MVC Architecture 8](#_Toc391147537)

[Figure 2 Component Diagram 9](#_Toc391147538)

[Figure 3: Class Diagram 10](#_Toc391147539)

[Figure 4: Define new medical profile template 11](#_Toc391147540)

[Figure 5 Doctor Update Medical Profile 11](#_Toc391147541)

[Figure 6 Patient update Personal Health Record 12](#_Toc391147542)

[Figure 7 Doctor view Medical Profile Record 12](#_Toc391147543)

[Figure 8 Patient view Medical Profile Record 13](#_Toc391147544)

# Definitions, Acronyms, and Abbreviations

|  |  |
| --- | --- |
| OMCS | Online Medical Consultant System |

# Report No.4 Software Design Description

## 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



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

## Component Diagram

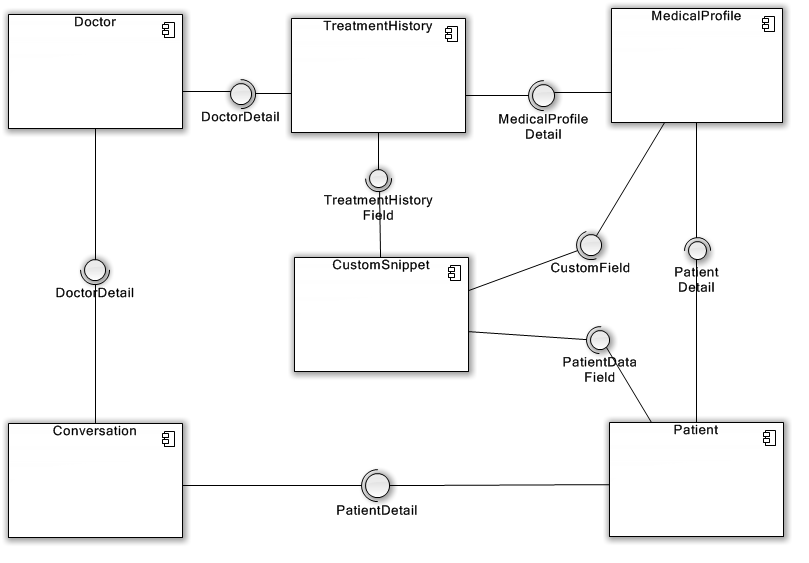


Figure 2 Component Diagram

## Detailed Description of Components

* 1. Class Diagram

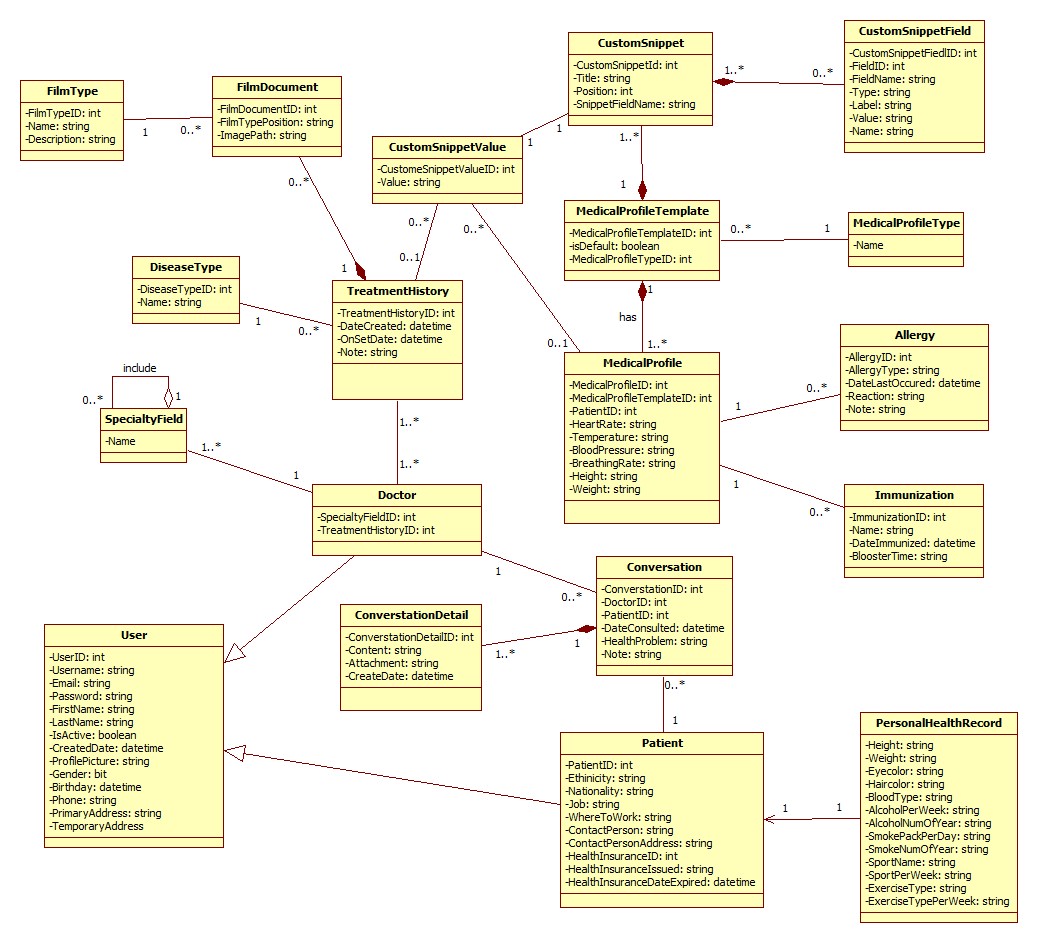


Figure 3: Class Diagram

* 1. Sequence Diagram
     1. Admin define new Medical Profile template

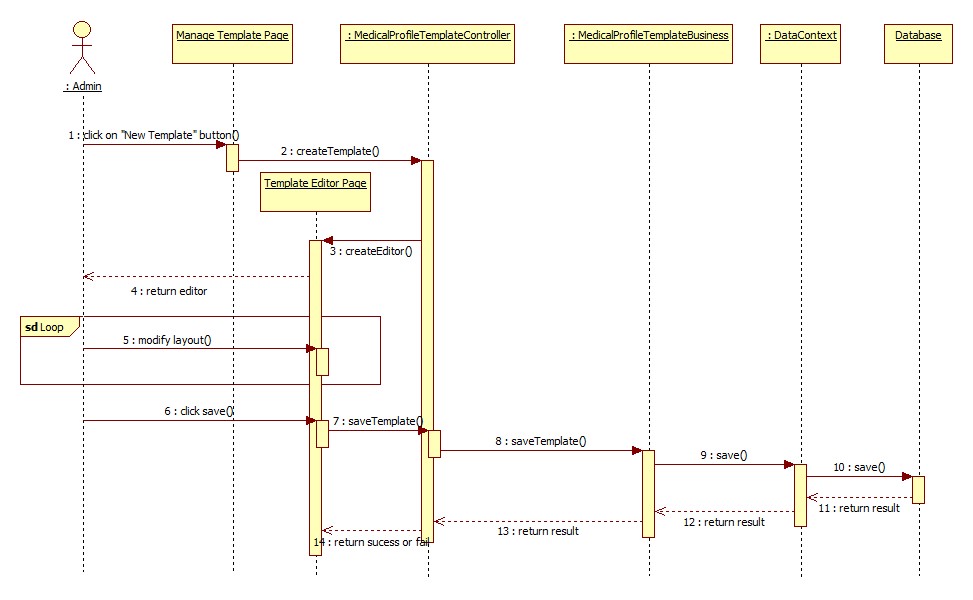


Figure 4: Define new medical profile template

* + 1. Doctor Update Medical Profile

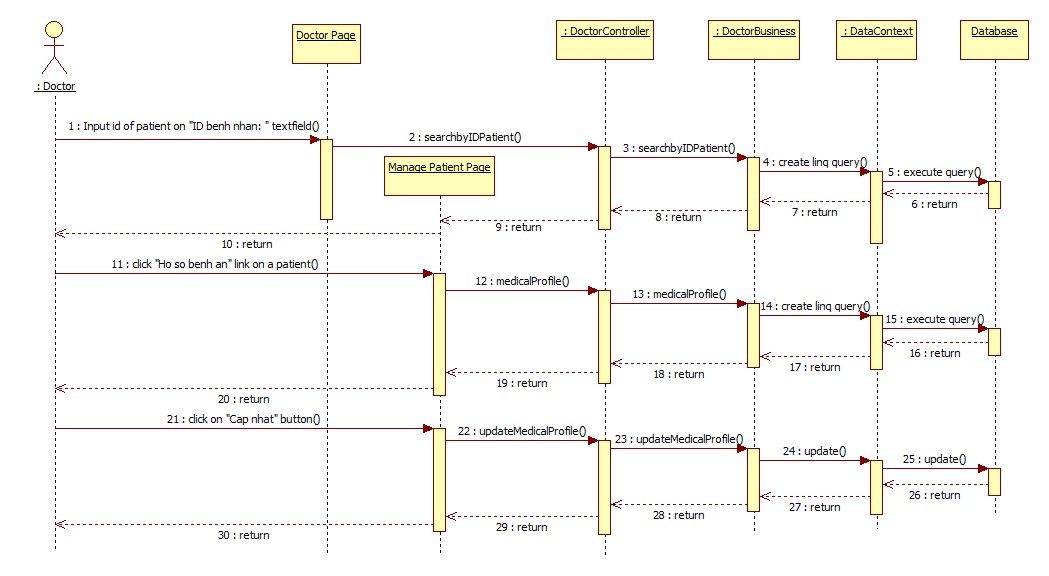


Figure 5 Doctor Update Medical Profile

* + 1. Patient update Personal Health Record

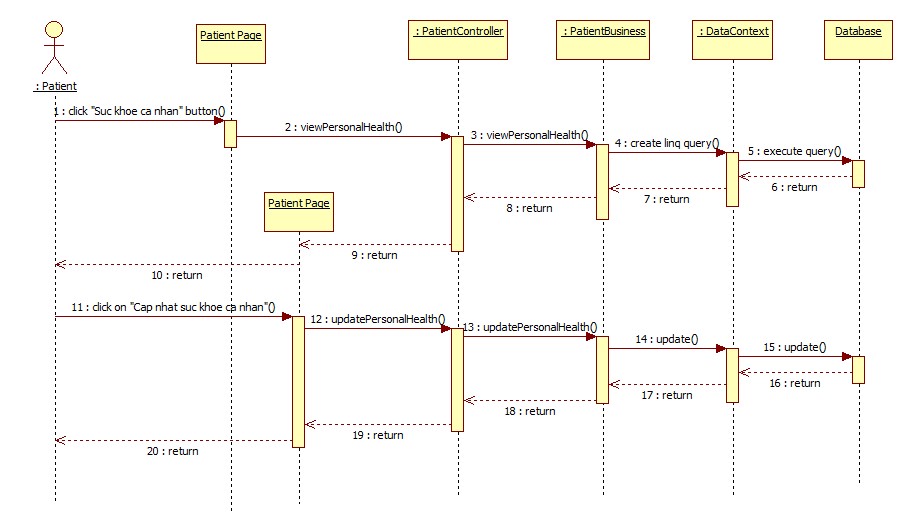


Figure 6 Patient update Personal Health Record

* + 1. Doctor view Medical Profile Record

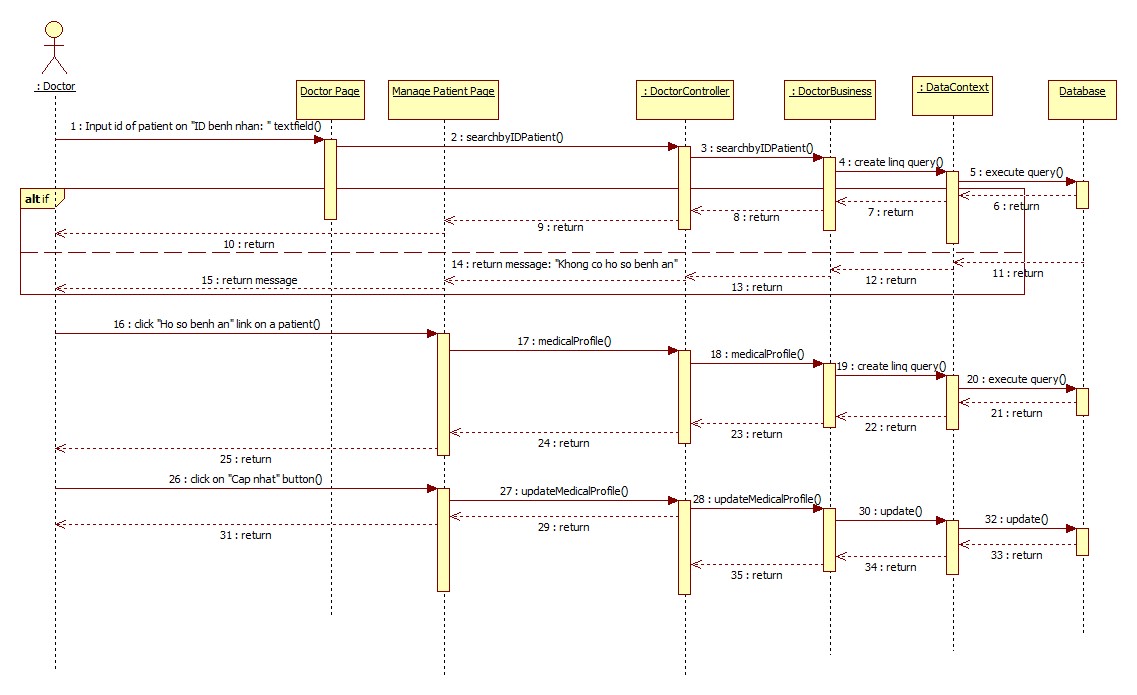


Figure 7 Doctor view Medical Profile Record

* + 1. Patient view Medical Profile Record

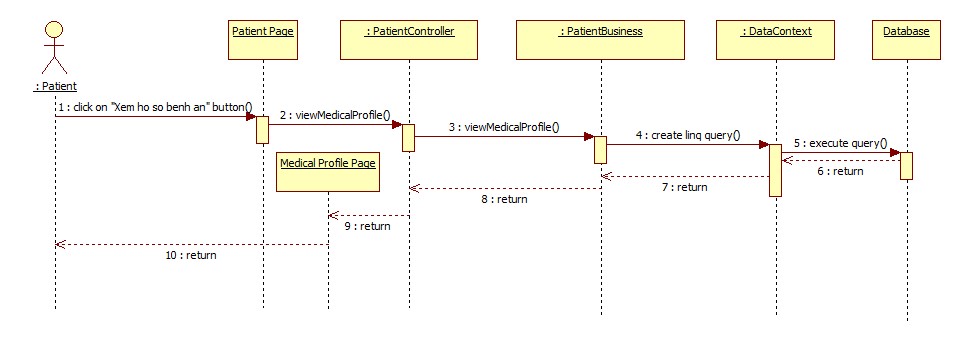


Figure 8 Patient view Medical Profile Record