# Report 3: System Requirements Specifications (SRS)

## 3.2. System Requirement Specification

### 3.2.1. External Interface Requirements

### 3.2.2. Functional Requirements

### 3.2.2.1. Functional Requirement 1 - Export Medical Profile

### 3.2.2.1.1. Use Case-1 Diagram



### 3.2.2.1.2. Use Case-1 Specification

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| **USE CASE - 1 SPECIFICATION** | | | | |
| **Use-case No.** | UC\_001 | **Use-case Version** | | **1.0** |
| **Use-case Name** | Export Medical Profile | | | |
| **Author** | DangTH | | | |
| **Date** | 29/05/2014 | **Priority** | Normal | |
| **Actor:** Patient  **Summary:** This use case is about exporting medical profile for a patient.  **Goal:** Patient can export a medical profile.  **Triggers:** Patient clicks “Export Medical Profile**”** button on **Medical Profile** page.  **Preconditions:** User must log in with role “Patient”.  **Post-Conditions:** Export medical profile successfully.  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User logins with role patient and clicks “Export Medical Profile” button. |  | | 2 |  | Display ”Exporting Details**”** Screen**.** This screen includes location, file type for user to choose easily. | | 3 | Choose file type and location to export. |  | | 4 | Clicks “Export”button. |  | | 5 |  | Show message “export successfully” if medical profile is exported successfully.  Show message “export fail” if user doesn’t choose location, file type or internet connection happens. |   **Alternative Scenario:** N/A  **Exception:**   * When database connection has problem, the system will ask user for trying again.   **Relationship:** N/A  **Business Rules:** N/A | | | | |

### 3.2.2.2. Functional Requirement 2 - View Medical Profile

### 3.2.2.2.1. Use Case-2 Diagram



### 3.2.2.2.2. Use Case-2 Specification

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| **USE CASE - 2 SPECIFICATION** | | | | |
| **Use-case No.** | UC\_002 | **Use-case Version** | | **1.0** |
| **Use-case Name** | View Medical Profile | | | |
| **Author** | DangTH | | | |
| **Date** | 29/05/2014 | **Priority** | Normal | |
| **Actor:** Patient  **Summary:** This use case is about Viewing medical profile for a patient.  **Goal:** Patient can view a medical profile.  **Triggers:** Patient clicks “View Medical Profile**”** button on **Patient Profile** page.  **Preconditions:** User must log in with role “Patient”.  **Post-Conditions:** View medical profile successfully.  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User logins with role patient and clicks “View Medical Profile” button. |  | | 2 |  | Display ”Medical Profile**”** Screen**.** This screen shows medical record of patient. |   **Alternative Scenario:** N/A  **Exception:**   * When database connection has problem, the system will ask user for trying again.   **Relationship:** N/A  **Business Rules:** N/A | | | | |

### 3.2.2.3. Functional Requirement 3 – Request Chatting

### 3.2.2.3.1. Use Case-3 Diagram



### 3.2.2.3.2. Use Case-3 Specification

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| **USE CASE - 3 SPECIFICATION** | | | | |
| **Use-case No.** | UC\_003 | **Use-case Version** | | **1.0** |
| **Use-case Name** | Request chatting | | | |
| **Author** | DangTH | | | |
| **Date** | 29/05/2014 | **Priority** | Normal | |
| **Actor:** Patient  **Summary:** This use case is about Requesting chatting for a patient.  **Goal:** Patient can request chatting.  **Triggers:** Patient clicks “Chat**”** button on **Patient** page.  **Preconditions:** User must log in with role “Patient”.  **Post-Conditions:** Request chatting successfully.  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User logins with role patient and clicks “Request chatting” button correspond with each doctor’s nick. |  | | 2 |  | Send request into doctor. | | 3 | doctor denies/accepts request |  | | 4 |  | Show message “Request denied” for patient.  Show “Chat” Screen between patient and doctor |   **Alternative Scenario:** N/A  **Exception:**   * When internet connection has problem, the system will ask user for trying again.   **Relationship:** N/A  **Business Rules:** N/A | | | | |

### 3.2.2.4. Functional Requirement 4 – Show Webcam

### 3.2.2.4.1. Use Case-4 Diagram



### 3.2.2.4.2. Use Case-4 Specification

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| **USE CASE - 4 SPECIFICATION** | | | | |
| **Use-case No.** | UC\_004 | **Use-case Version** | | **1.0** |
| **Use-case Name** | Show Webcam | | | |
| **Author** | DangTH | | | |
| **Date** | 29/05/2014 | **Priority** | Normal | |
| **Actor:** Patient  **Summary:** This use case is about Showing webcam for a patient.  **Goal:** Patient can request showing webcam.  **Triggers:** Patient clicks “Webcam**”** button on **Patient** page.  **Preconditions:** User must log in with role “Patient”.  **Post-Conditions:** Request showing webcam successfully.  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User logins with role patient and clicks “Webcam” button on chatting windows with doctor. |  | | 2 |  | Send request into doctor. | | 3 | Doctor denies/accepts request |  | | 4 |  | Show message “Request denied” for patient.  Show webcam of both patient and doctor. |   **Alternative Scenario:** N/A  **Exception:**   * When internet connection has problem, the system will ask user for trying again.   **Relationship:** N/A  **Business Rules:** N/A | | | | |

### 3.2.2.5. Functional Requirement 5 – Upload Attachment

### 3.2.2.5.1. Use Case-5 Diagram



### 3.2.2.5.2. Use Case-5 Specification

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| **USE CASE - 5 SPECIFICATION** | | | | |
| **Use-case No.** | UC\_005 | **Use-case Version** | | **1.0** |
| **Use-case Name** | Upload Attachment | | | |
| **Author** | DangTH | | | |
| **Date** | 29/05/2014 | **Priority** | Normal | |
| **Actor:** Patient  **Summary:** This use case is about Uploading attachment for a patient.  **Goal:** Patient can upload attachment.  **Triggers:** Patient clicks “Upload**”** button on **Patient Profile** page.  **Preconditions:** User must log in with role “Patient”.  **Post-Conditions:** Upload successfully.  **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User logins with role patient and clicks “Upload” button on **Patient Profile** page. |  | | 2 |  | Show “Upload” Screen. This screen will include “Choose file” button to choose file upload, textbox for saved as name and author name, dropdown list for choosing license. | | 3 | Input suitable fields and click “Upload” button. |  | | 4 |  | Validate input data.  Show message “No files attached” if no files was attached. | | 5 |  | Upload file into server.  If upload successfully, system will show message “upload successfully”.  If happen errors about system/internet connection, system will show “upload fail”. |   **Alternative Scenario:** N/A  **Exception:**   * When internet connection has problem, the system will ask user for trying again.   **Relationship:** N/A  **Business Rules:** N/A | | | | |