

# **CMSC 128: Introduction to Software Engineering**

## Software Architecture Document

University of the Philippines Baguio - Health Service Office  
Integrated Database for Consultation Records

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06/13/2023

## Revision History

Version	Description of Versions/Changes	Date
1.0	<p><b>Prototype 1</b></p> <ul style="list-style-type: none"> <li>- Initialization of database and tables</li> <li>- Basic login system</li> <li>- User interface for login window</li> <li>- Initial user interface for the dashboard</li> </ul>	03/24/2023
2.0	<p><b>Prototype 2</b></p> <ul style="list-style-type: none"> <li>- User interface for the following windows:             <ul style="list-style-type: none"> <li>- Add New Patient Record</li> <li>- View Patient Record</li> <li>- Edit Patient Record</li> <li>- Add New Consultation Record</li> <li>- Edit Consultation Record</li> <li>- View Database/Medical Records</li> </ul> </li> <li>- Error handling: Error prompt for invalid or empty input for required fields</li> <li>- Functions for adding new patient data into the database</li> </ul>	05/05/2023
3.0	<p><b>Prototype 3</b></p> <ul style="list-style-type: none"> <li>- Improvement of existing user interface</li> <li>- User interface for the following windows:             <ul style="list-style-type: none"> <li>- Dashboard</li> <li>- View Recent Consultations</li> <li>- View Single Consultation</li> </ul> </li> <li>- Integrated database of patient information data in view database window with working functions:             <ul style="list-style-type: none"> <li>- View</li> <li>- Edit</li> </ul> </li> <li>- Functions for adding new consultation data into the database</li> <li>- Execution of window controls:             <ul style="list-style-type: none"> <li>- Minimize</li> <li>- Close</li> </ul> </li> <li>- Functional window buttons:             <ul style="list-style-type: none"> <li>- Confirm</li> <li>- Cancel</li> </ul> </li> </ul>	05/24/2023

	<ul style="list-style-type: none"> <li>- Back</li> <li>- Account logout</li> </ul>	
4.0	<p><b>Final Prototype</b></p> <ul style="list-style-type: none"> <li>- Improvement of existing user interface</li> <li>- User interface for the following windows: <ul style="list-style-type: none"> <li>- Recycle Bin</li> <li>- Deleted Patient Records</li> <li>- Deleted Consultations</li> </ul> </li> <li>- Integrated database of patient information data in view database window with working functions: <ul style="list-style-type: none"> <li>- Delete</li> </ul> </li> <li>- Integrated database of patient consultation data in view recent consultation window with working functions: <ul style="list-style-type: none"> <li>- View</li> <li>- Edit</li> <li>- Delete</li> </ul> </li> <li>- Functional window buttons: <ul style="list-style-type: none"> <li>- Refresh</li> <li>- Deleted records</li> <li>- Database</li> <li>- Recycle bin</li> </ul> </li> <li>- Sort by course functionality in view database window</li> <li>- Search functionality in view database and view recent consultation windows</li> <li>- Success prompt for adding new patient and new consultation record</li> <li>- Confirm changes pop-up message box with password authentication for confirmation of data being updated</li> <li>- Move to recycle bin pop-up message box for confirmation of data deletion in database</li> <li>- Deleted patient records window with working functions: <ul style="list-style-type: none"> <li>- Restore</li> <li>- Delete</li> </ul> </li> <li>- Deleted consultations window with working functions: <ul style="list-style-type: none"> <li>- Restore</li> </ul> </li> </ul>	06/13/23

	<ul style="list-style-type: none"><li>- Delete</li><li>- Search functionality in deleted patient records and deleted consultations windows</li><li>- Restore pop-up message box for confirmation of data restoration</li><li>- Delete permanently pop-up message box with password authentication for confirmation of permanent data deletion</li><li>- Logout pop-up message box for confirmation of account logout</li></ul>	
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## Software Architecture Document

### 1. Introduction

This document provides a high-level overview and explanation of the architecture of the UPB-HSO Integrated Database for Consultation Records. The document goes into detail about the software architecture document, the use cases that support the system, the architectural styles, and software features. The document offers an explanation for the architectural and design choices taken from the initial concept through their execution.

#### 1.1. Purpose

The University of the Philippine Baguio - Health Service Office (UPB-HSO) Integrated Database for Consultation Records software application enables the administrators and staff of the office to gather data during consultations and store patient records in an integrated database system for higher security and easier accessibility. The software application provides a comprehensible graphical user interface that should help user to navigate through the database, and manipulate data.

The computer program application advances the current manual data entry and processing system of the UPB-HSO and hence depletes the chances of issues including inaccurate information due to human error, damage or misplacement, longer retrieval time to make changes, and lack of security.

This document offers an in-depth architectural summary of the UPB-HSO Integrated Database for Consultation Records software application. It uses two architectural viewpoints: the Use Case View and Deployment View, to represent various system components. This document is intended to document and convey the vital architectural choices that have been implemented in the system.

Use case diagrams/views are used to describe the scope and high-level functions of a system. The interactions between the software application and its actors (eg. the administrators/staff of the UPB-HSO) are also depicted in these diagrams. It describes what the system does and how the actors utilize it, but not how the system operates internally. On the other hand, the technical infrastructure needed to run the software application is described in the Deployment View. It is used to visualize the hardware processors, nodes, devices, their communication paths, and the location of the software files on that hardware.

#### 1.2. Scope

The scope of this SAD is to explain the architecture of the UPB-HSO Integrated Database for Consultation Records.

This document describes the various aspects of the UPB-HSO Integrated Database for Consultation Records software application that are considered to be architecturally significant. These elements and behaviors are fundamental for guiding the construction of the UPB-HSO Integrated Database for Consultation Records software application and for understanding this project as a whole. Stakeholders who require a technical understanding of UPB-HSO Integrated Database for Consultation Records are encouraged to start by reading the Project Proposal and Software Architecture Document documents developed for this project [PP, SAD].

### 1.3. Definitions, Acronyms and Abbreviations

- UPB-HSO - University of the Philippines Baguio - Health Service Office
- SAD - Software Architecture Document
- XAMPP - localhost web server used to access the database
- Apache - web server that accepts and sends requests
- MySQL - database management system used for the application
- Visual Studio - software application used for front-end and back-end development including application building and testing
- C# - programming language used for front-end and back-end development of the application
- Database - structured collection of data stored and accessed digitally
- Admin - permitted UPB-HSO staff who has credentials to access the application
- Patient - refers to students of the university which are the main clientele of UPB-HSO
- Consultation - process of assessment of patient's current health condition with UPB-HSO medical staff

### 1.4. References

[PP]: Project Proposal

*Use Case Diagram Tutorial (Guide with Examples)* | Creately. (2022, December 2).

<https://creately.com/guides/use-case-diagram-tutorial/>

## 2. Architectural Representation

### Use Case View

**Audience:** all users of the software application (UPB-HSO administrators and permitted staff)

**Area:** description of scenarios of interactions between the user, the software application, and the database. It provides a high-level view of the system which highlights the roles that interact with the system and the functionality of the application. Further, it identifies the internal and external factors.

**Related Artifacts:** Use Case Model, Use Case documents

### Deployment View

**Audience:** all users of the software application (UPB-HSO administrators and permitted staff)

**Area:** Topology: explains how the software is mapped to the hardware and displays the system's diversified elements. The diagram shows a configuration of run-time processing nodes and the components that live on them.

**Related Artifacts:** Deployment Model

### 3. Architectural Goals and Constraints

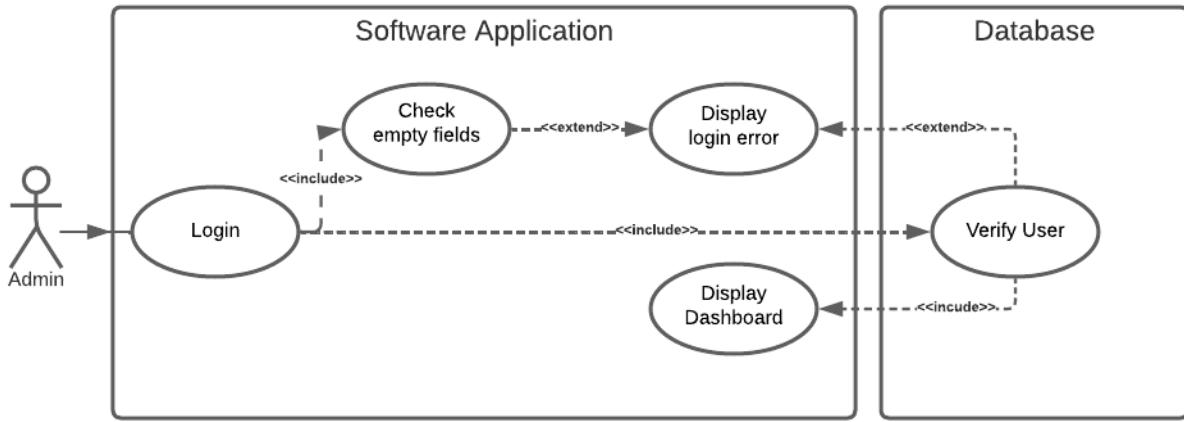
The system requirements and constraints for the software application are listed here. The system constraints can be improved upon in future developments.

1. The application will be developed for a desktop computer and it would be programmed to be usable on the operating system available (Windows, MacOS) on the client's personal computer. The installation and configuration of the software on the client's desktop will be done and a pre-orientation regarding the basics and usage of the software will also be provided. This will act as their guide in using the software.
2. The software application should deliver a streamlined data entry system for UPB-HSO medical consultations wherein the database system should efficiently upgrade the existing manual data entry system using its main database functionalities such as adding new data, modifying existing data, deleting information, and updating the database.
3. The software application should provide a comprehensible graphical user interface for the client to easily understand the database functionalities. The user interface should help the user in database navigation, data modification, and saving of data.
4. The software application should have a secure database system. The data should be secured and only the administrators of the office and permitted personnel must have access to the database. This will be done with the implementation of a login and logout system where UPB-HSO staff will be provided with credentials of username and password that they need to enter before having access to the database.
5. The display of our developed software application may vary depending on the device used and their specifications. The application has a specific display resolution of 1300 pixels width and 720 pixels height. The application does not offer display resizability since it is designed to have a compact layout in order to maximize space for information or data output.

## 4. Use Case View

The following enumerates and discusses the use case view that illustrates the functionality of the software application. Moreover, this part discusses the flow of events corresponding to the expected behavior of the functionality.

### 4.1. Login Use Case View



**Figure 4.1** Use case diagram for the login function

#### 4.1.1. Name and Description of the Use-Case View

Figure 4.1 illustrates the use case diagram that describes the processes that are included in the login system of the software application. The login system allows the user to access all the other functionalities of the software and verify credentials for security purposes.

#### 4.1.2. Flow of Events of the Use Case View

The login window appears as the initial window of the software application once clicked open. It has two input fields for the username and password and one button for login. The following sub-flows present the next events to finish login into the system.

##### 1. Check empty fields

The software application checks if any of the input fields (username or password) is empty. Once the login button is clicked, the software application verifies that the required input fields are not empty before proceeding to the verification. If not, the application shows an error message.

## **2. Verify login credentials**

This subflow begins when the user clicks the login button. The software application verifies the login credential from the database by passing the input value of the username and password.

## **3. Display login error**

This subflow begins when the user clicks the login button. If the inputted username and password do not match the stored login credentials in the database, the software application shows a login error.

## **4. Display dashboard**

This subflow begins when the user clicks the login button. If the inputted username and password match the login credentials in the database, the software application opens the dashboard window.

### **4.1.3. Relationships Among Use Cases**

This part discusses some relationship that exists between some use cases. As shown in the diagram, and is also evident in the flow of events, the main use case for this activity is the login system. The subflow of events such as checking empty fields, verifying user credentials, display login error, and display dashboard are flows that are essential to login into the system, access the database and execute other functions of the application.

## 4.2. Patient Record Management Use Case View

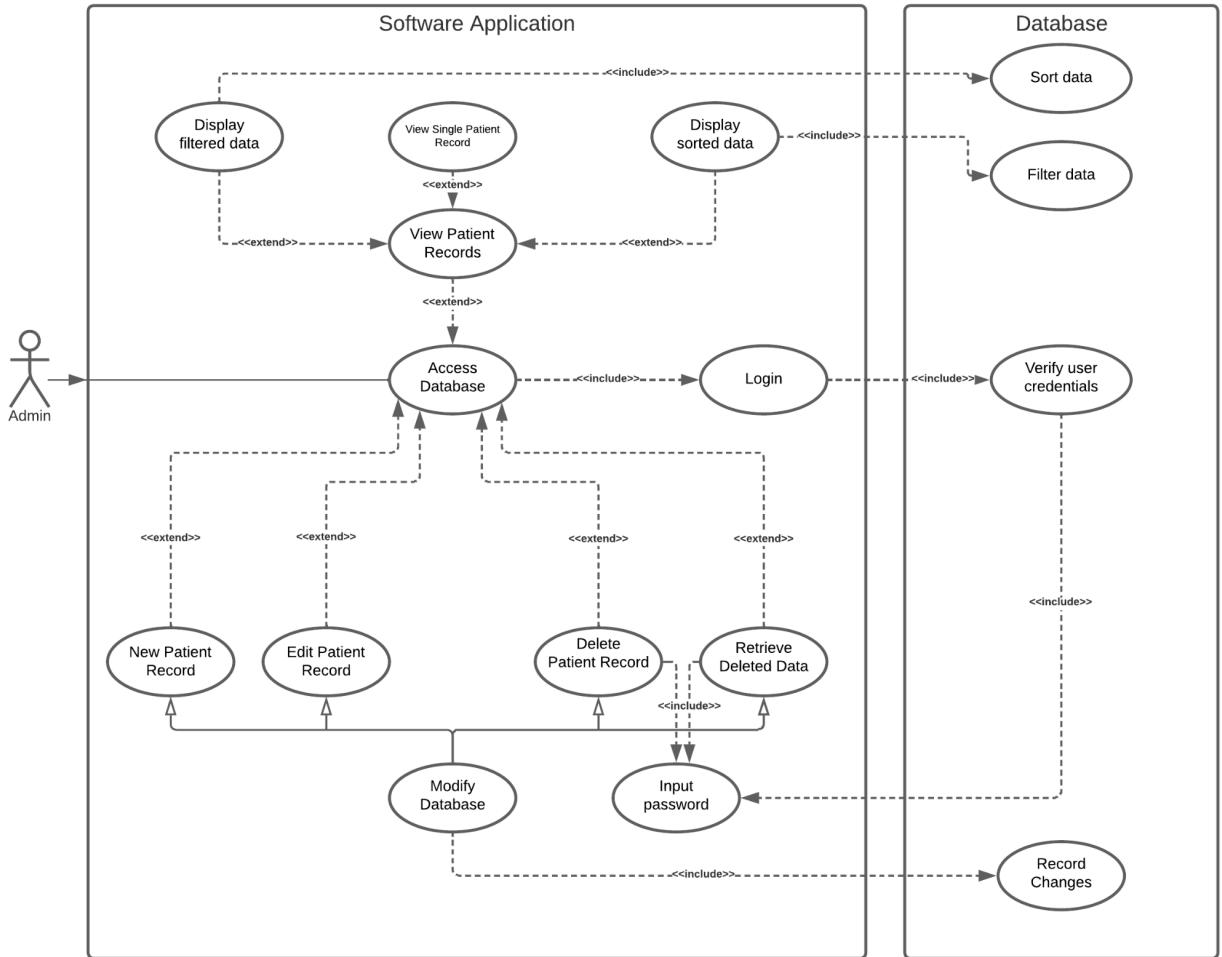


Figure 4.2 Use case diagram for patient record management

### 4.2.1. Name and Description of the Use Case View

Figure 4.2 illustrates the use case diagram for the management system of the patient records. The figure describes the functions that are included in accessing the database for the patient records and the needed inputs to access and modify the database (eg. password and login).

### 4.2.2. Flow of Events of the Use Case View

The main flow of the use case diagram starts with the login of the admin into the software application that was verified by the database. For patient record management, the software application can either view the database, making displayed data more specific (by sorting and filter searching) or modify the database (by adding new patient records, editing, or deleting). These subflows will be discussed individually.

#### **4.2.2.1. Access Database**

As seen in Figure 4.2, the main flow of events is the access database. When the user logins into the system through the software application, he/she has the right to access the database by viewing and making changes.

##### **4.2.2.1.1. View Database**

The subflow begins when the user clicks the view database button on the dashboard window. The view database window displays all the patients currently registered in the database. The data displayed on the tables on the window are the patient name, student number, and course only. Further, the window has buttons and input fields for the filter search and sort data. These features allow the user to request the software application to display only the necessary information on the window.

More than that, the admin can also view all information about the patient (eg., Full Name, Address, Contact Number, Contact Person etc.) through clicking the view button on each individual row on the table.

###### **4.2.2.1.1.1. Filter Search**

The user can filter search results. This subflow begins when the user types in key word/s into the search input field and clicks on the search button. The view database window then filters the data displayed based on the available registered patient records on the database.

###### **4.2.2.1.1.2. View Individual Patient Record**

The admin can view each individual patient record and see every consultation made by the patients. This subflow begins when the user of the software application clicks on the view button of each row in the view patient records database window.

###### **4.2.2.1.1.3. Sort Data**

The user can sort the data displayed on the table in the view database window. This subflow begins when the user clicks the dropdown button to choose the ways to

sort. The data can be sorted by course (eg., BS Computer Science, BA Language and Literature) and by college (eg., College of Science, College of Arts and Communications, College of Social Sciences).

#### **4.2.2.1.2. Modifying Database**

Accessing the database includes the ability to make changes in the current database. The user can add a new patient record, edit an existing patient record or delete it.

##### **4.2.2.1.2.1. Add New Patient Record**

When the patient (eg. new student, new staff) has no patient record in the database yet, the UPB-HSO admin adds a new record for the patient. This subflow can be accessed on the dashboard window and on the view database window.

##### **4.2.2.1.2.2. Edit Patient Record**

The admin can modify the information of each patient record on the database. This subflow can be accessed on the view database window and the view (individual) patient record window.

##### **4.2.2.1.2.3. Delete Patient Record**

The admin can delete patient records in the database. For this subflow, the admin must input the login password to make changes to avoid accidental deletion of data. This subflow begins when the user clicks the delete button in each row in the view database window of the application.

##### **4.2.2.1.2.4. Retrieve Deleted Patient Record**

Patient records that have been deleted are still stored in the database. When a record has been deleted, especially in the chances of accidental deletion, it can still be retrieved by the admin. For this subflow, the admin must input the login password for confirmation.

#### 4.3. Consultation Record Management Use Case View

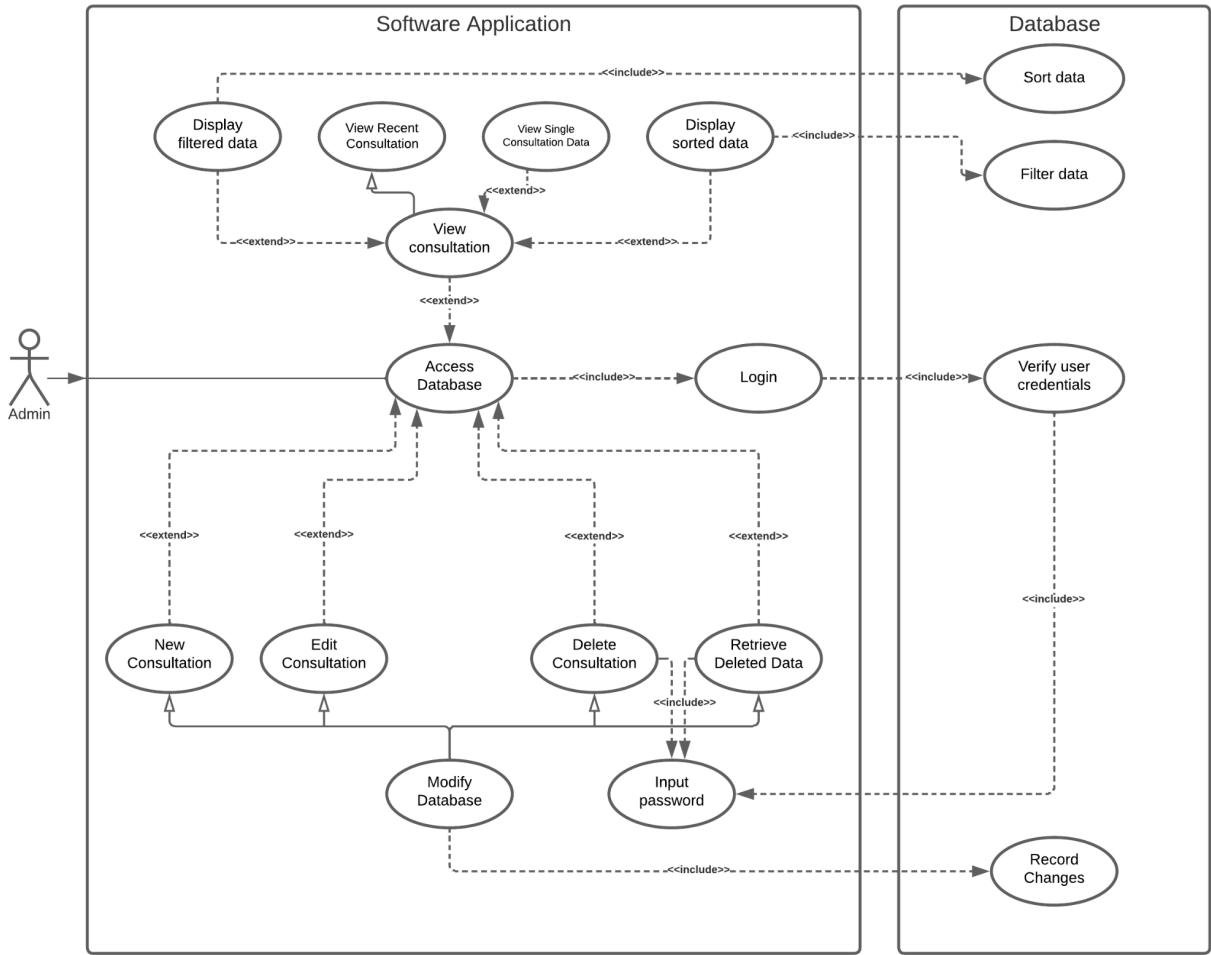


Figure 4.3 Use case diagram for consultation record management

#### 4.4. Name and Description of the Use Case View

Figure 4.3 illustrates the use case diagram for the management system of the consultation records. The figure describes the functions that are included in accessing the database for the consultation records and the needed inputs to access and modify the database (eg. password and login).

#### 4.5. Flow of Events of the Use Case View

The main flow of the use case diagram starts with the login of the admin into the software application that was verified by the database. For consultation record management, the software application can either view the database, making displayed data more specific (by sorting, filter searching and viewing single consultation records) or modify the

database (by adding new patient records, editing, deleting, or retrieving). These subflows will be discussed individually.

#### **4.5.1. Access Database**

As seen in Figure 4.3, the main flow of events is the access database. When the user logins into the system through the software application, he/she has the right to access the database by viewing and making changes.

##### **4.5.1.1. View Consultation Records**

The subflow begins when the user clicks the view consultations button on the dashboard window. The view database window displays all the consultations that have been made in the office and are registered in the database. The data displayed on the tables on the window are the patient name, student number, course, and date and time of consultation only. Further, the window has buttons and input fields for the filter search and sort data. These features allow the user to request the software application to display only the necessary information on the window.

More than that, the admin can also view all information about the consultation made by the patient (eg., Physical findings, management, and more information about the patient) by clicking the view button on each individual row on the table.

###### **4.5.1.1.1. Display filtered data**

The user can filter search results. This subflow begins when the user types in key word/s into the search input field and clicks on the search button. The view database window then filters the data displayed based on the available registered consultation records on the database.

###### **4.5.1.1.2. View recent consultations**

The software application contains a window that displays all recent consultations. This subflow begins

when the user clicks on the view recent consultations button from the dashboard window.

#### **4.5.1.1.3. View single consultation data**

The admin can view each individual consultation record and see more details about the patients. This subflow begins when the user of the software application clicks on the view button of each row in the view consultation database window.

#### **4.5.1.1.4. Display sorted data**

The user can sort the data displayed on the table in the view database window. This subflow begins when the user clicks the dropdown button to choose the ways to sort. The data can be sorted in alphabetical order.

### **4.5.1.2. Modify database**

Accessing the database includes the ability to make changes in the current database. The user can add a new consultation, edit an existing consultation record, delete a record, or retrieve a deleted consultation record.

#### **4.5.1.2.1. New consultation**

When a patient makes a new consultation in the UPB-HSO, the admin adds a new consultation data and records it as part of the patient record. This subflow can be accessed on the dashboard window and in the view individual patient record window.

#### **4.5.1.2.2. Edit consultation**

The admin can modify the information of each consultation record on the database. This subflow can be accessed on the view consultation records window and the view individual consultation record window.

#### **4.5.1.2.3. Delete consultation**

The admin can delete consultation records in the database. For this subflow, the admin must input the

login password to make changes to avoid accidental deletion of data. This subflow begins when the user clicks the delete button in each row in the view consultation database window of the application.

#### **4.5.1.2.4. Retrieve deleted records**

Consultation records that have been deleted are still stored in the database. When a record has been deleted, especially in the chances of accidental deletion, it can still be retrieved by the admin. For this subflow, the admin must input the login password for confirmation.

### **4.5.2. Relationships Among Use Cases**

This part explains some relationships that exist between some use cases. As shown in Figure 4.3, and is also evident in the flow of events, the main use case for this process is accessing the database by either viewing consultation records or modifying data.

Moreover, the consultation record use case view is connected to the patient record user case view as it is recorded in the database and each data are stored in the way that they are linked to each other.

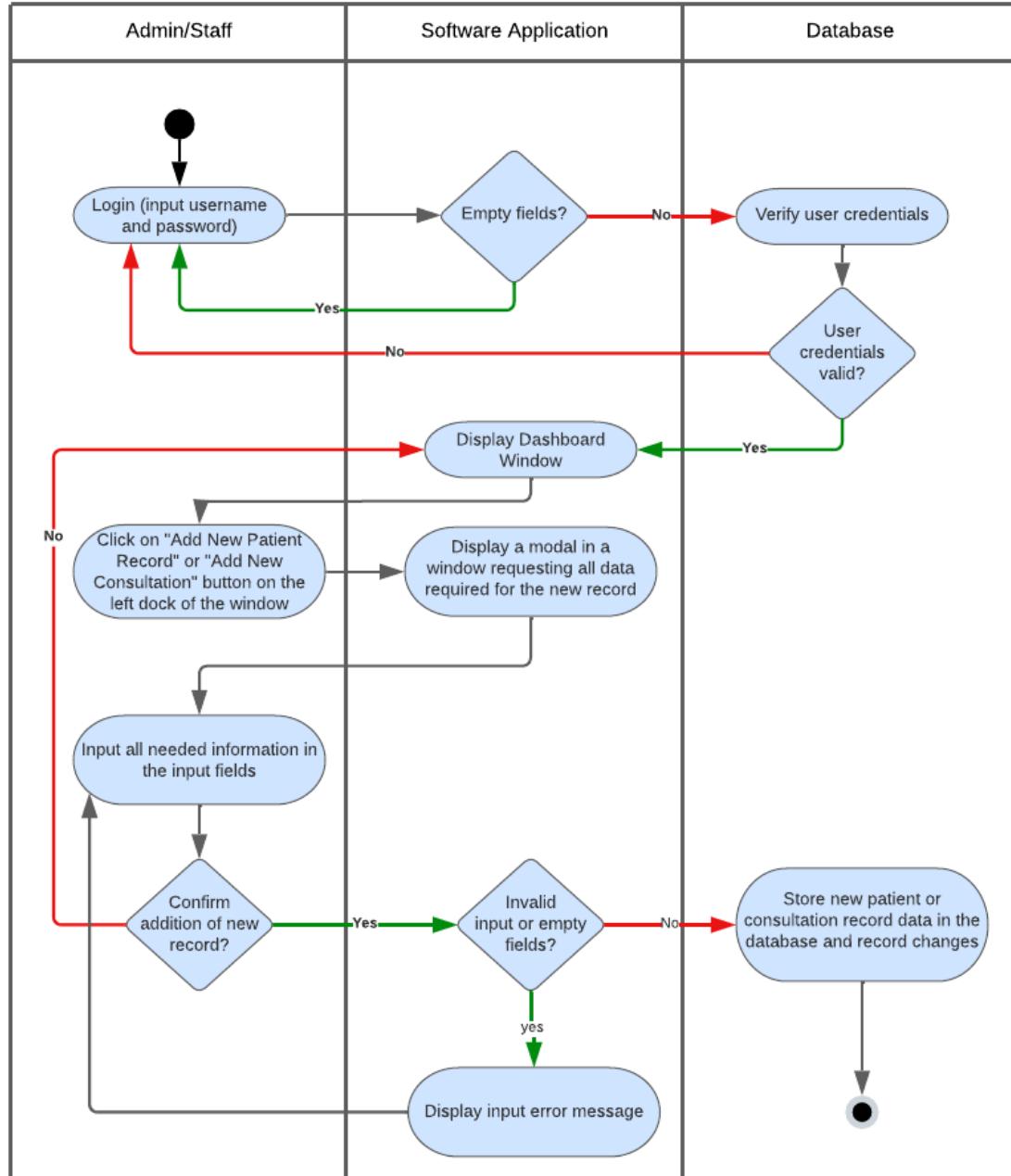
## **5. Activity Diagram**

An activity diagram is a vital behavioral diagram that describes the dynamic aspects of the system. This part illustrates the activities that can be performed given the distinct functionalities of the software. The diagram uses a swimlane in order to demonstrate the interaction mainly between the system and the users of the software application.

The following activity diagram illustrates the flow of events for both patient records and consultation records. The process applies to both.

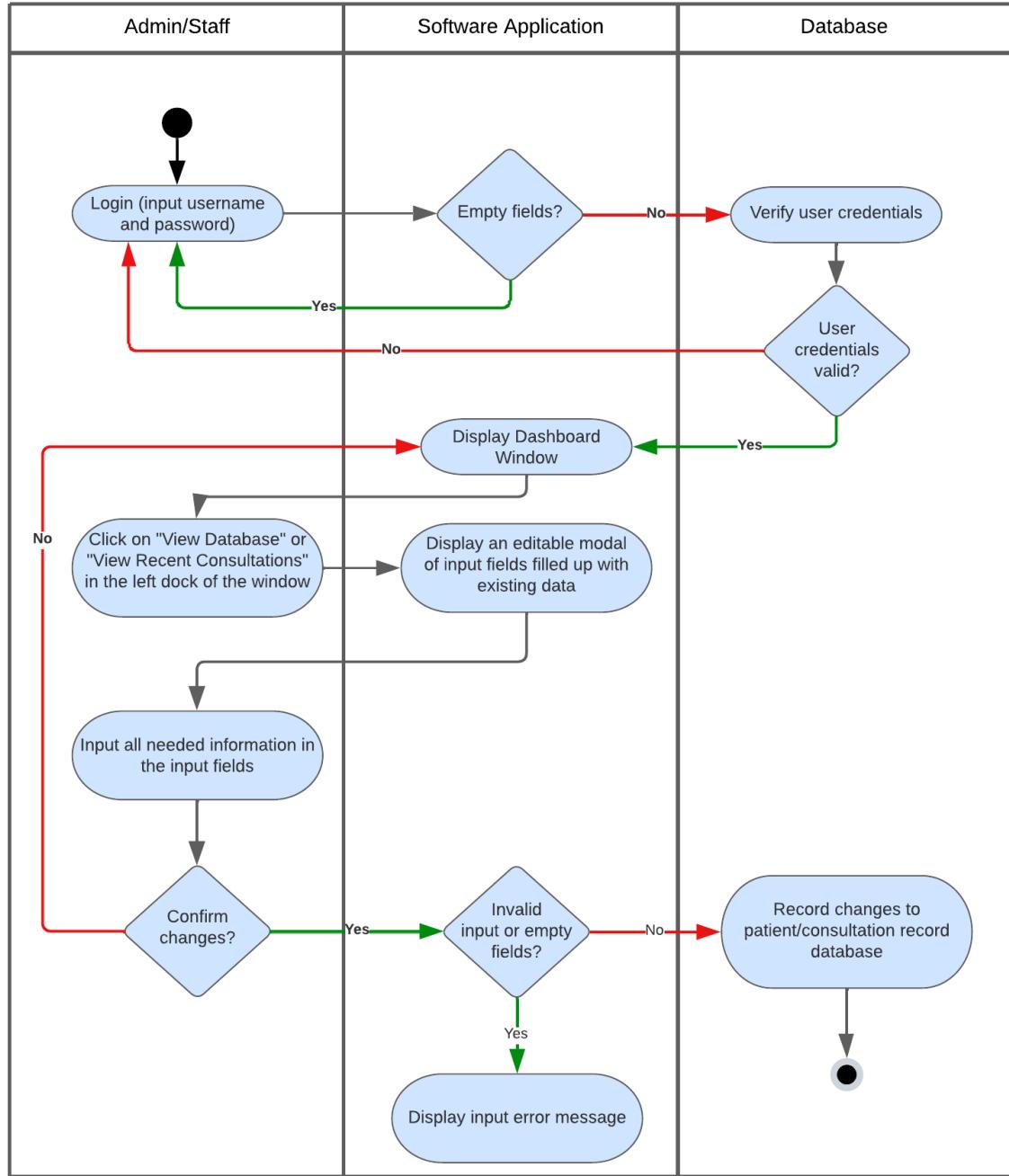
## 5.1. Modifying Records

### 5.1.1. Add New Record



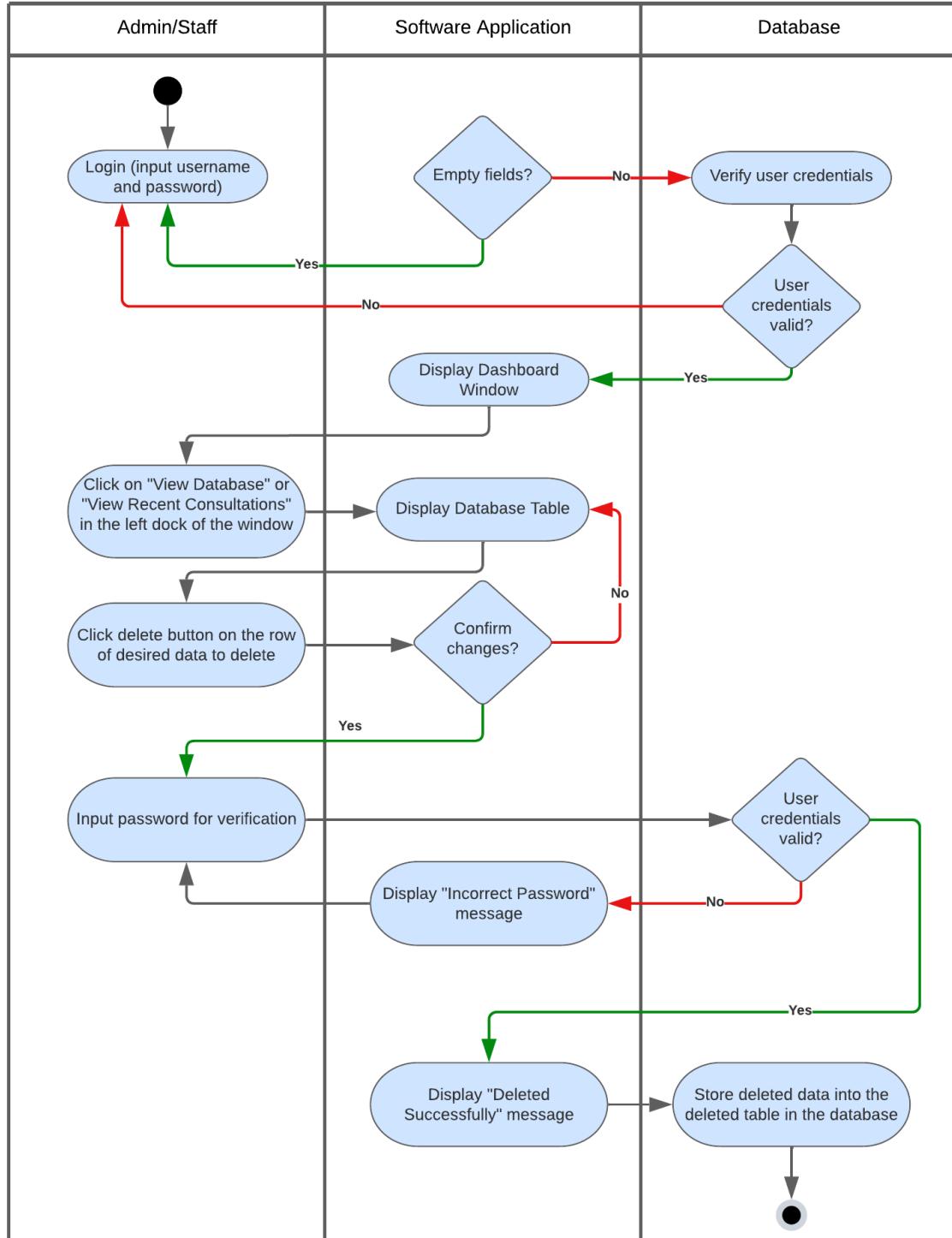
**Figure 5.1** Activity diagram for adding new records

### 5.1.2. Edit Existing Record

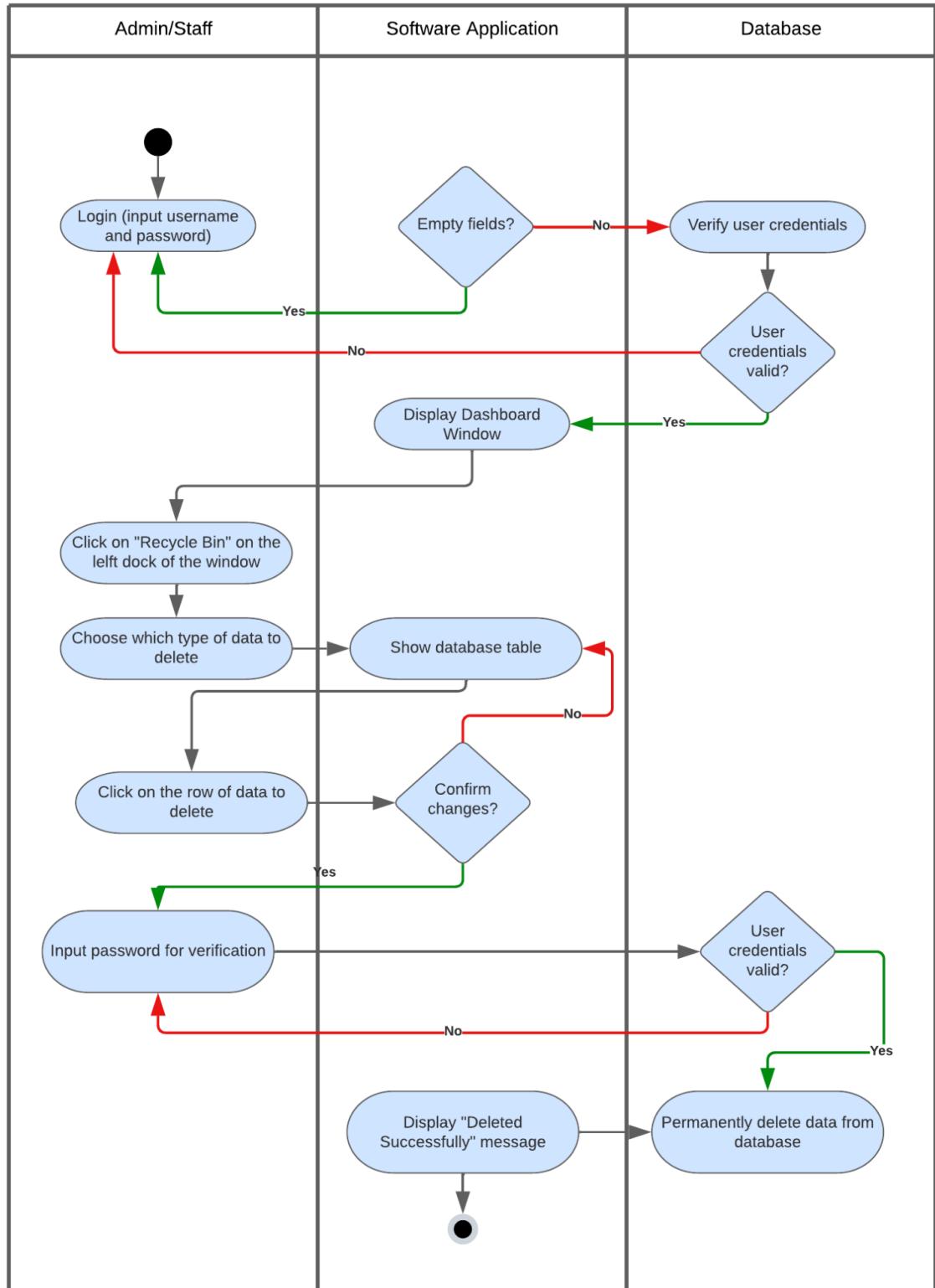


**Figure 5.2** Activity diagram for editing existing records

### 5.1.3. Delete Record



#### 5.1.4. Retrieve Deleted Record



## 6. Size and Performance

The software application and XAMPP software will be both installed on the same server PC/network. The local Apache and MySQL servers will be launched by the host network using the XAMPP software. However, one constraint of the developed UPB-HSO Integrated Database for Consultation Records is the inability to be installed and synced on different PCs/devices. For future development, it is recommended to have the database uploaded to the cloud/internet for the data to be synchronized and the software application to be installed on different PCs.

Size of the software application: 58.5 MB

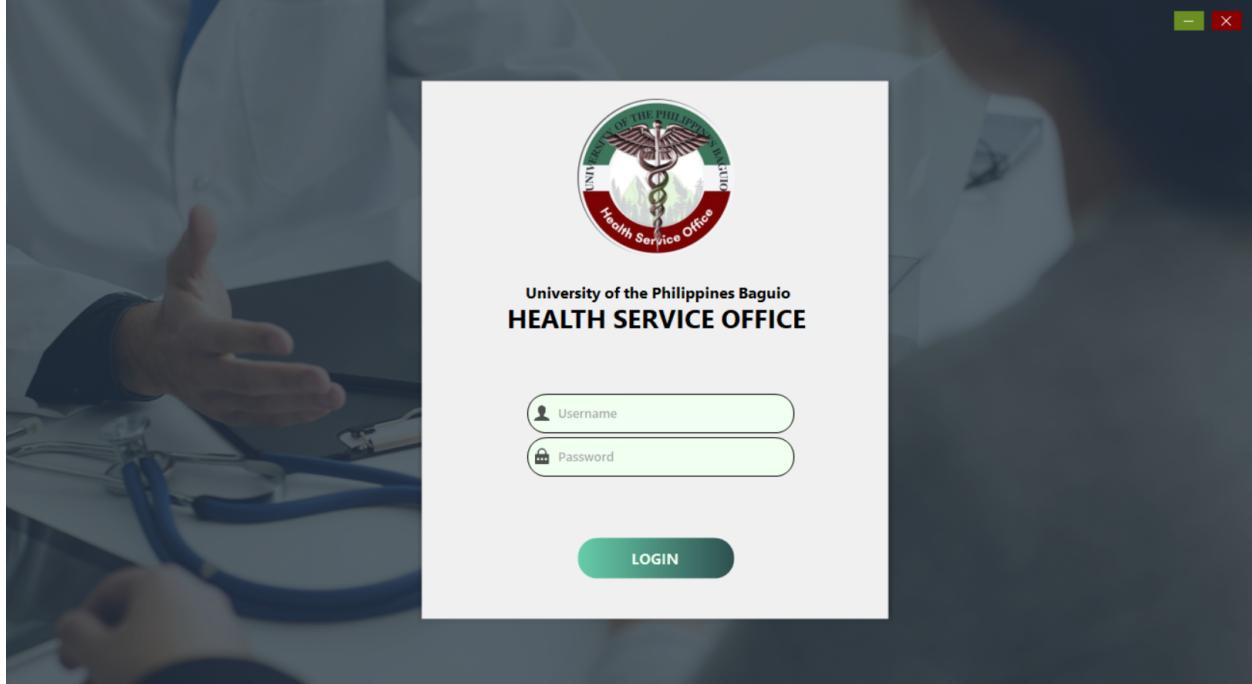
## 7. Quality

The UPB-HSO Consultation Records support the quality requirements:

- The software application is resilient and stable, eliminating crashes and hangs to help ensure that software is more predictable, maintainable, performant, and trustworthy.
- The software application supports security and privacy measures to maintain the integrity of the operating system.
- The software application has a clean, reversible installation process.
- The software application supports 64-bit and 32-bit versions of Windows.

## Appendices

### Appendix A - Login



### Appendix B - Dashboard

A screenshot of a web browser showing the dashboard for the University of the Philippines Baguio Health Service Office. On the left is a vertical sidebar with icons and text for "Medical Records", "New Patient", "New Consultation", "Recent Consultations", and "Recycle Bin". At the bottom of this sidebar is a "LOGOUT" button. The main area displays the university's logo and the text "University of the Philippines Baguio" and "HEALTH SERVICE OFFICE". In the background, there is a photograph of medical equipment, including a syringe and a stethoscope.

## Appendix C - Storing Data

**University of the Philippines Baguio  
HEALTH SERVICE OFFICE  
NEW PATIENT RECORD**




**PATIENT'S INFORMATION\***

Last Name	First Name	Middle Name	SN/EN: 20XXXXXX
Address			
Contact Number	Age	Birthdate	Thursday, 30 March 2023
College / Office	Sex	Civil Status	
Course			

**CONTACT PERSON'S INFORMATION\***

Contact Person	Contact Person Number
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**FAMILY HISTORY**

- Hypertension
- Diabetes
- Cancer
- Bronchial Asthma
- Stroke
- Heart Disease

**PAST MEDICAL HISTORY\***

**HISTORY OF ALLERGIES\***

**CANCEL** **CONFIRM**

**University of the Philippines Baguio  
HEALTH SERVICE OFFICE  
NEW CONSULTATION**




**PATIENT'S INFORMATION\***

Student / Employee Number	DATE OF CONSULTATION*
	Wednesday, 31 May 2023
	TIME OF CONSULTATION*
	11:04:16

**PHYSICAL EXAMINATION AND LABORATORY FINDINGS\***

**DIAGNOSIS AND MANAGEMENT\***

**CANCEL** **CONFIRM**

## Appendix D - Access to Database


**University of the Philippines Baguio  
HEALTH SERVICE OFFICE  
DATABASE**


Sort by  Filter Search 

STUDENT / EMPLOYEE NO.	LAST NAME	FIRST NAME	COURSE	VIEW	EDIT	DELETE
20200000	Kim	Hwiyoung	BA Communication	<a href="#">VIEW</a>	<a href="#">EDIT</a>	<a href="#">DELETE</a>
201909000	Leqaspi	Myla Jean	BS Computer Science	<a href="#">VIEW</a>	<a href="#">EDIT</a>	<a href="#">DELETE</a>
202077777	Kanq	Seulqi	BA Language and Literat...	<a href="#">VIEW</a>	<a href="#">EDIT</a>	<a href="#">DELETE</a>
202011111	Im	Changkyun	BA Language and Literat...	<a href="#">VIEW</a>	<a href="#">EDIT</a>	<a href="#">DELETE</a>
202012063	Revilla	Patricia Mae	BS Management Econom...	<a href="#">VIEW</a>	<a href="#">EDIT</a>	<a href="#">DELETE</a>
202012345	Avelino	Monique	BS Computer Science	<a href="#">VIEW</a>	<a href="#">EDIT</a>	<a href="#">DELETE</a>
201900209	Seo	Johnny	BS Management Econom...	<a href="#">VIEW</a>	<a href="#">EDIT</a>	<a href="#">DELETE</a>
201900001	Fernandez	Chien Carisse	BA Communication	<a href="#">VIEW</a>	<a href="#">EDIT</a>	<a href="#">DELETE</a>

 DELETED RECORDS
[BACK](#)
[REFRESH](#)


**University of the Philippines Baguio  
HEALTH SERVICE OFFICE  
RECENT CONSULTATIONS**


Filter Search 

STUDENT / EMPLOYEE NO.	DATE	CONSULTATION TIME	LABORATORY FINDINGS	DIAGNOSIS AND MANAGEMENT	VIEW	EDIT	DELETE
202012063	2023-06-05	12:00:00	Hyperacidity	Gaviscon	<a href="#">VIEW</a>	<a href="#">EDIT</a>	<a href="#">DELETE</a>
202011111	2023-06-04	16:36:00	Asthma	Inhaler	<a href="#">VIEW</a>	<a href="#">EDIT</a>	<a href="#">DELETE</a>
201900209	2023-06-03	15:04:00	Ankle sprain	Painkiller	<a href="#">VIEW</a>	<a href="#">EDIT</a>	<a href="#">DELETE</a>
202012063	2023-05-22	13:49:00	Headache	Advil	<a href="#">VIEW</a>	<a href="#">EDIT</a>	<a href="#">DELETE</a>
202012063	2023-04-29	17:28:00	Fever	Biogesic	<a href="#">VIEW</a>	<a href="#">EDIT</a>	<a href="#">DELETE</a>

 DELETED RECORDS
[BACK](#)
[REFRESH](#)

## Appendix E - Modification of Data

**University of the Philippines Baguio  
HEALTH SERVICE OFFICE  
PATIENT RECORD**




**PATIENT'S INFORMATION\***

Last Name	Revilla	First Name	Patricia Mae	Middle Name	N/A
Address	San Vicente			Contact Number	09088729569
Age	21	Birthday	Friday, 19 October 2001	Sex	Female
		Civil Status	Single		
College / Office		Course	BS Computer Science		

Student / Employee Number      202012063

**CONTACT PERSON'S INFORMATION\***

Name	Name	Contact Number	09123456789
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**PATIENT'S MEDICAL HISTORY\***

Family History	<input checked="" type="checkbox"/> Hypertension <input checked="" type="checkbox"/> Diabetes <input checked="" type="checkbox"/> Cancer <input checked="" type="checkbox"/> Bronchial Asthma <input type="checkbox"/> Stroke <input type="checkbox"/> Heart Disease	Past Medical History	Pneumonia	History of Allergies	N/A
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DATE REGISTERED      2023-05-29

DATE AND TIME EDITED      2023-06-06 16:03:02

CANCEL
CONFIRM

**University of the Philippines Baguio  
HEALTH SERVICE OFFICE  
CONSULTATION INFO**




**PATIENT'S INFORMATION**

Student / Employee Number	202012063
---------------------------	-----------

DATE OF CONSULTATION     

TIME OF CONSULTATION      12:00:00

**PHYSICAL EXAMINATION AND LABORATORY FINDINGS\***

Hyperacidity

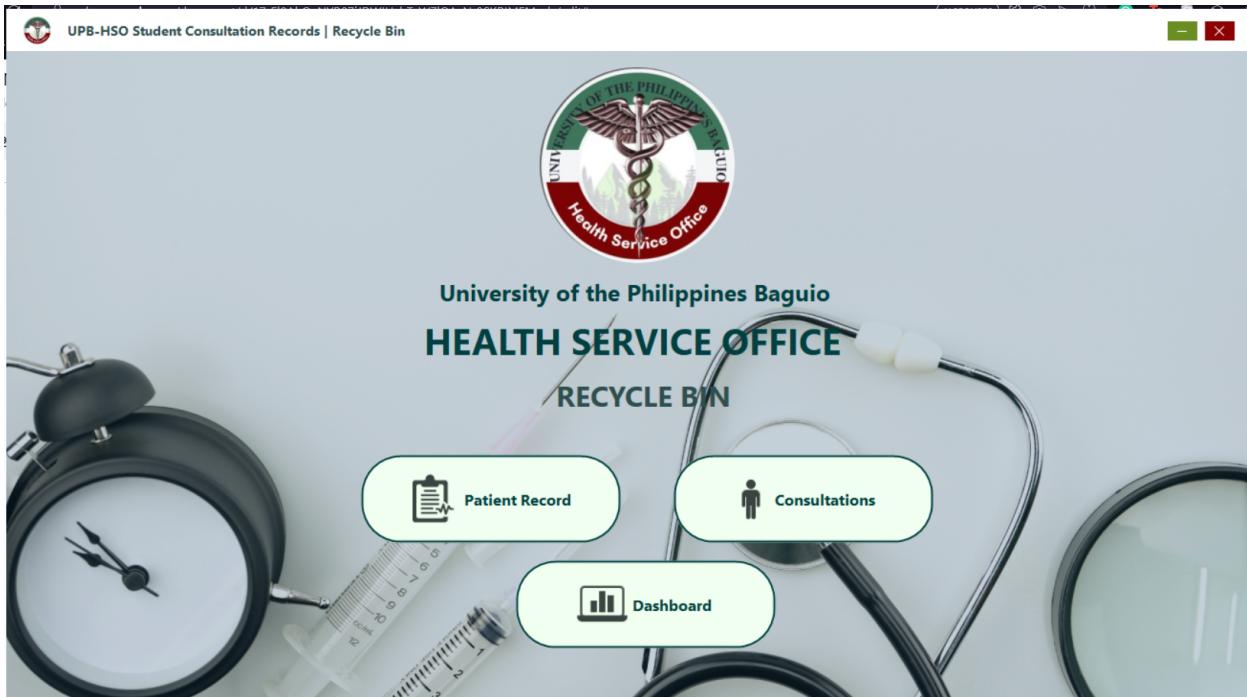
**DIAGNOSIS AND MANAGEMENT\***

Gaviscon

DATE AND TIME EDITED      2023-06-13 17:51:57

CANCEL
CONFIRM

## Appendix F- Retrieval of Deleted Data



University of the Philippines Baguio  
**HEALTH SERVICE OFFICE**  
**DELETED PATIENT RECORDS**

DATE DELETED	TIME DELETED	STUDENT / EMPLOYEE NO.	LAST NAME	FIRST NAME	COURSE	RESTORE	DELETE
2023-06-13	17:41:04	202077777	Kang	Seulqi	BA Language a...	<button>RESTORE</button>	<button>DELETE</button>
2023-06-07	16:50:38	201900001	Fernandez	Chien Carisse	BA Communica...	<button>RESTORE</button>	<button>DELETE</button>

Filter Search

RECYCLE BIN DATABASE REFRESH


**University of the Philippines Baguio  
HEALTH SERVICE OFFICE**  
**DELETED CONSULTATIONS**

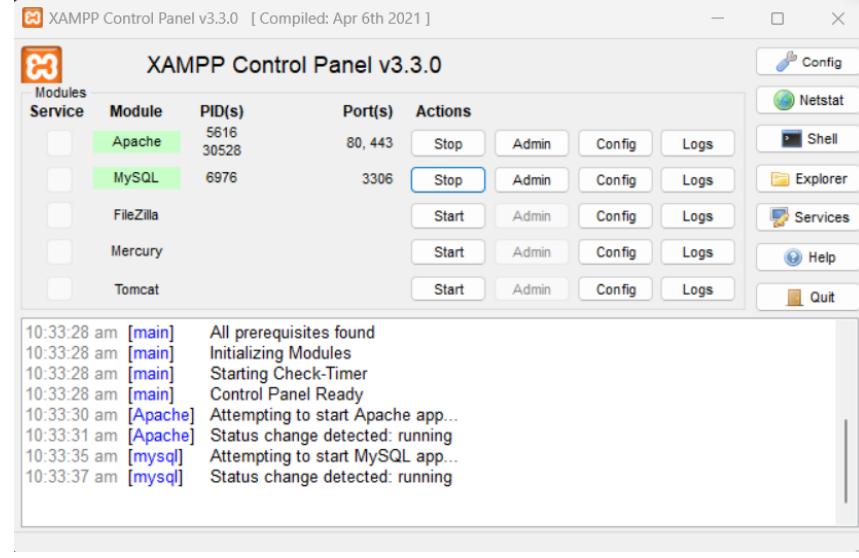


SEARCH

ID	DATE DELETED	TIME DELETED	STUDENT / EMPLOYEE NO.	EXAMINATION AND FINDINGS	DIAGNOSIS AND MANAGEMENT	RESTORE	DELETE
16	2023-06-13	17:42:37	202012063	Headache	Advil	<span style="border: 1px solid #ccc; padding: 2px 5px;">RESTORE</span>	<span style="border: 1px solid #ccc; padding: 2px 5px;">DELETE</span>
17	2023-06-13	17:42:40	202012063	Hyperacidity	Gaviscon	<span style="border: 1px solid #ccc; padding: 2px 5px;">RESTORE</span>	<span style="border: 1px solid #ccc; padding: 2px 5px;">DELETE</span>
14	2023-06-05	21:48:33	202012063	Fever	Biogesic	<span style="border: 1px solid #ccc; padding: 2px 5px;">RESTORE</span>	<span style="border: 1px solid #ccc; padding: 2px 5px;">DELETE</span>

RECYCLE BIN
DATABASE
REFRESH

## Appendix G - Database



**XAMPP**  
(Please start Apache and MySQL modules before running the program)

Table	Action	Rows	Type	Collation	Size	Overhead
admin_creds		1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
consultation_recycledbin		2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
patient_consultation		3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
patient_info		6	InnoDB	utf8mb4_general_ci	16.0 KiB	-
patient_medicalhistory		5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
patient_recycledbin		2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
6 tables	Sum	19	InnoDB	utf8mb4_general_ci	96.0 KiB	0 B

## **Appendix H - UPB-HSO FORM 2B**

**UPB-HSO MEDICAL FORM 2B**

Revised July, 2019

**UNIVERSITY OF THE PHILIPPINES BAGUIO**  
**Health Service Office**

Patient's Name:	Student #	
Address:		
Contact No:	Age:	Civil status:
Contact person:		
Contact person's no:		
Family History: ( )Hypertension ( )Diabetes ( )Cancer ( )Bronchial Asthma ( )Stroke ( )Heart Disease		
Past Medical History:		

**History of Allergies:**