CSC584 – ENTERPRISE PROGRAMMING

PROJECT REPORT TITLE:
COUNSELING MANAGEMENT SYSTEM

Group: CDCS2664B

Submit To:
SIR MUHAMAD RIDHWAN BIN MOHAMAD RAZALI

Prepared By:
MUHAMMAD SAIFUDDIN HILMI BIN KHALID - 2022490882
MUHAMMAD AMIRUL HAKIM BIN KHALED - 2022498774
AIMAN HAKIM BIN ABD HALEM - 2022615612

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1.0 INTRODUCTION

Successful counseling services are more important than ever in a time when mental health is becoming a more public concern. The increasing prevalence of mental health issues across a wide range of persons has led to a rise in the need for counseling management systems that are easily accessible, effective, and comprehensive.

One crucial project in addressing this pressing issue is the creation of a Counseling Management System (CMS). This study stresses the cooperative efforts of a committed group while outlining the fundamental framework for the development of such a system. The goal of this project is to completely transform the way mental health services are provided by combining the knowledge of counseling experts with technology.

We will outline the importance of this kind of system, the goals it aims to accomplish, and the development process that will direct it in this introduction. In addition, we will outline the project's scope and clarify the main features and functions that are planned for the system.

The process of creating an innovative counseling management system should prove to be both enjoyable and difficult. Our group strives to significantly improve mental health services and the lives of those who are in need of support and direction by working together across disciplinary boundaries and with unwavering dedication.

2.0 PROBLEM STATEMENT

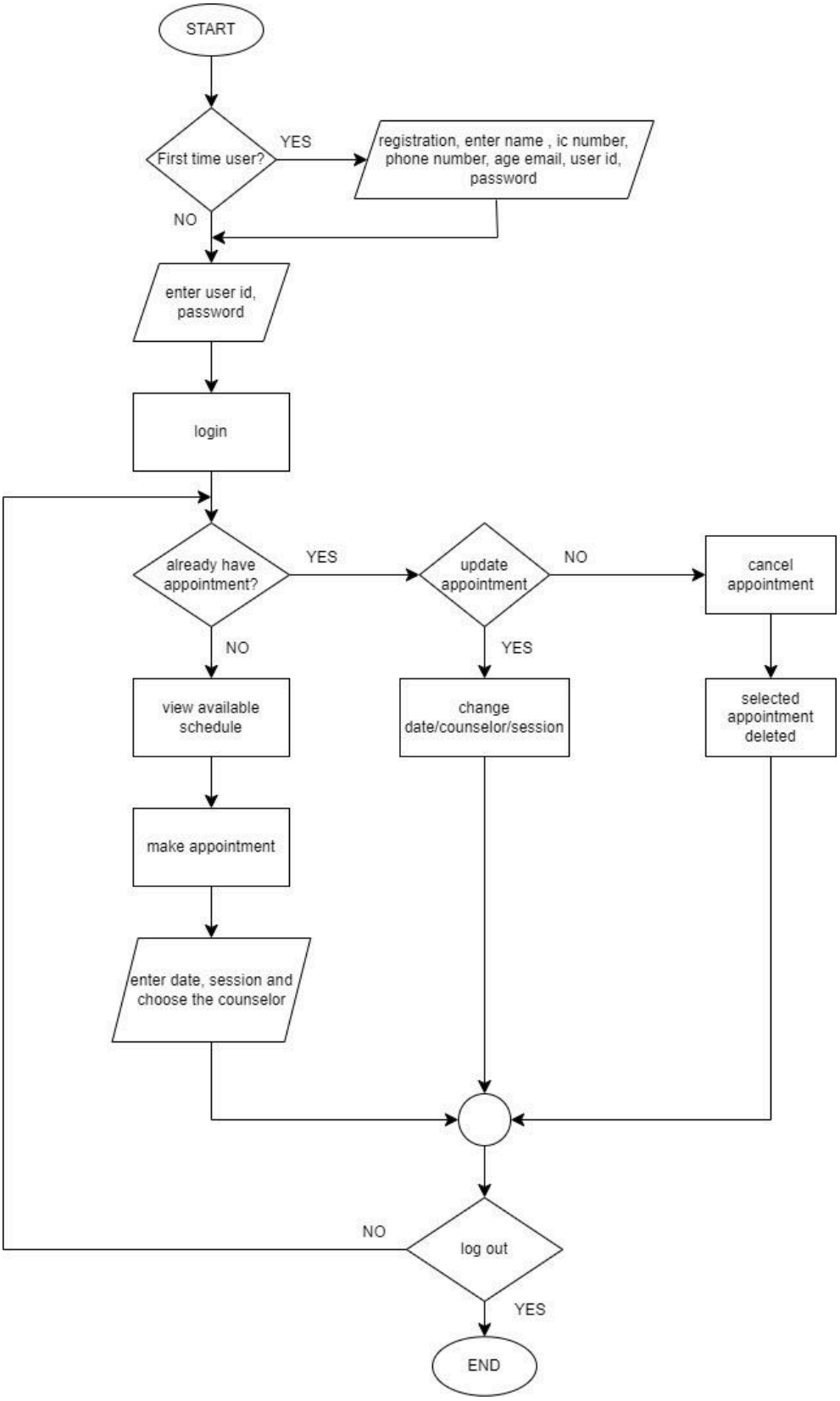
It is extremely difficult to effectively manage client information, schedule appointments, and monitor client progress in the counseling services industry. Conventional paper-based record-keeping and manual scheduling techniques take a lot of time and are prone to mistakes, which can result in inefficiencies and possible confidentiality breaches. Furthermore, the absence of a centralized system makes it more difficult for administrators, clients, and counselors to collaborate and communicate with one another, which impedes the provision of tailored and efficient interventions.

Therefore, there is a pressing need to create a solid counseling management system that tackles these issues for efficiently managing counseling services. This system offer comprehensive features for client management, appointment scheduling, session documentation, progress tracking and reporting.

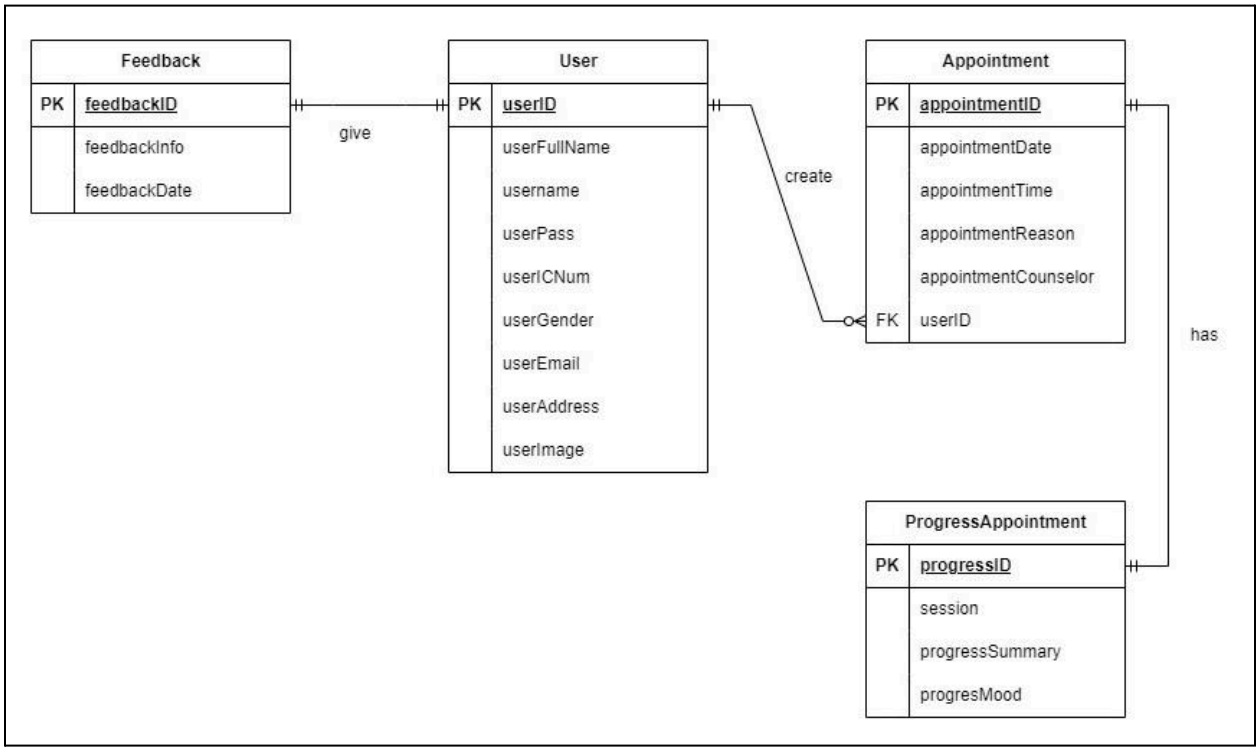
3.0 OBJECTIVE

- Develop a user-friendly and efficient counseling management system.
- Simplify the process to make an appointment with the counselor.
- Helps to handle and record data of patients through the system.
- Provide user satisfaction by using the system.

4.0 FLOWCHART



5.0 DATABASE DESIGN



The ERD contains 4 tables which are Feedback, User, Appointment and ProgressAppointment. The Feedback table has information about feedback id, info and feedback date. The primary key for Feedback is feedbackID. The second table is the User, which will contain the information about user id, user full name, user username for login purpose , user password, IC Number, gender, email, address, and image. The primary key for the User table is userID. The third table is Appointment. In the appointment table, appointmentID will act as primary key, then followed by the other attributes like appointment date, time, reason and counselor. User ID apply as a foreign key in this table. Lastly, is the Appointment Progress table, the primary key for this table is progressID. This table contains the information about progress id, session, progress summary and progress mood. The relationship between the Feedback and User is one to one relationship. One user can give one feedback each time. Then the relationship between User table and Appointment table is one to many, one user can make many appointments for himself. The last relationship is between Appointment and ProgressAppointment table , the relationship is one to one relationship. Each time appointment was make then the progress of appointment will save the data.