Introduction - Accomplished finding a general to specific problem and its solution

1. General Problem - Cenar, Tobias, Formalejo
2. Specific Problem - Silao, Ramirez, Tobias
3. Introduce your solution - Cenar, Tobias, SIlao

Introduction

<General Problem>

- In some schools, checking the attendance during class hours can become time consuming, especially when the teachers/professors call their students' names one by one. Including forgery on an attendance sheet, some students find ways to sign the attendance sheet even if the student is not present during class hours.

<Specific Problem>

- The main problem is the lack of an efficient and automated way to record and view attendance data. Manual checking causes delays, inaccuracies, and even loss of records. It also makes it hard to generate attendance summaries or reports quickly, which are important for performance monitoring or compliance purposes. Our focus point is to make checking attendance more effective and efficient for teachers/professors to lessen the time spent when checking the attendance per subject/course.

<introduce your Solution>

- The proposed solution is to create an Attendance Report System that can automatically record, store, and generate attendance reports. The system will allow users to log attendance through a digital interface, making the process faster and more accurate. It will also include features like data summaries, date filters, and report generation to help teachers or administrators easily monitor attendance records anytime.

The Project - Cenar, Formalejo, Ramirez, Silao, Tobias

- Clearly discussed how the project will work

The Project

<Discuss how the project works THOROUGHLY>

- By using digital methods to record when individuals time in and time out. Using the data to automatically collect, track and be used to generate reports.This collected data is then stored and processed to calculate the total hours of the student that is present before, during and after the class hours and in every subject/course.

Objectives - Made progress on what objectives will be focused on

1. General Objectives - Cenar, Formalejo, Ramirez, Silao, Tobias
2. Specific Objective 1 - Cenar, Tobias, Ramirez
3. Specific Objective 2 - Silao, Formalejo

Objectives

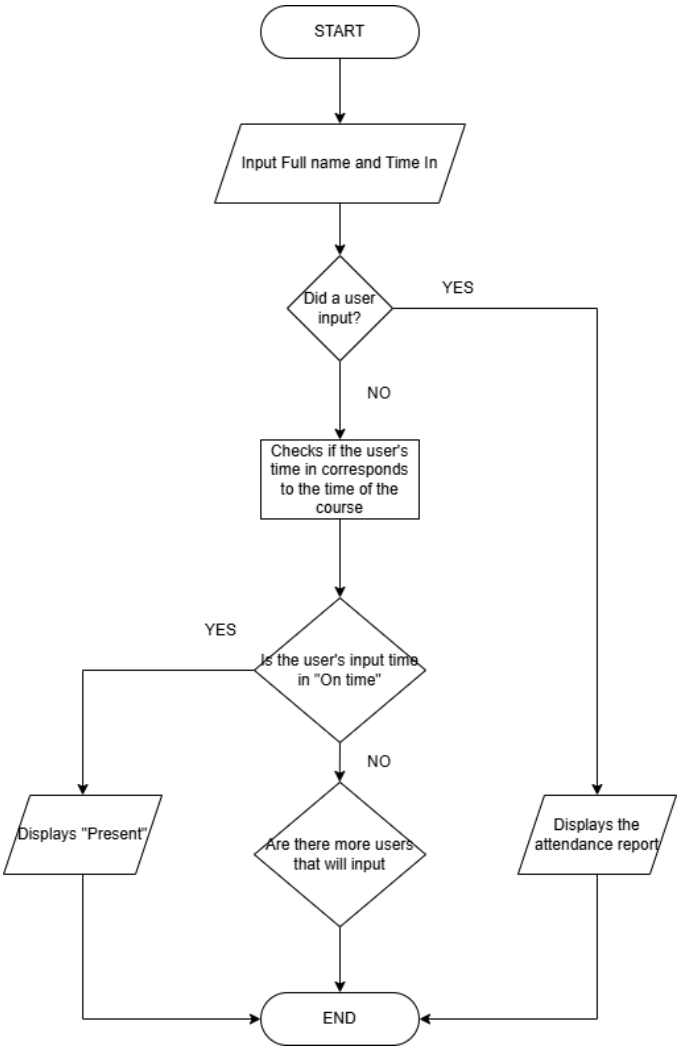
<General Objectives>

- The project aims to develop an Attendance Report System to automate the attendance tracking process. Specifically, the project aims to:

    1. Develop a system that:
        a. Input the user's time in
        b. Status of user's time in (Present, Late, or Absent)
        c. To display an attendance report

    2. Test and evaluate the system's accuracy

Flowchart of the System - Accomplished a general outline of how the code will work and its description which is a more in depth explanation of the flowchart. (Cenar, Formalejo, Ramirez, Silao, Tobias)



Pseudocode - Accomplished this section (Formalejo)

Pseudocode

- The pseudocode explains how the Attendance Report System works.
- You input your full name and time in.
- The system checks if your name is entered.
- If no input is found, you are marked absent.
- If your time matches or is earlier than the course time, you are marked present.
- If your time is later than the course time, you are marked late.
- The process repeats for each user until all names are entered.
- When finished, the system shows the attendance report.
- This process helps make attendance checking faster and more accurate.

```
START

REPEAT
    DISPLAY "Enter Full Name: "
    INPUT FullName

    DISPLAY "Enter Time In (HH:MM):"
    INPUTTimeIn

    IF FullName = "Then"
        Display "Automatically Absent"
    ELSE
        IF TimeIn <= CourseTime Then
            Display "Present"
        ELSE
            Display "Late"
        ENDIF
    ENDIF

    DISPLAY "Are there more users to input? (Yes/No)"
    INPUT Answer

Until Answer = "No"

DISPLAY "Generating Attendance Report"
DISPLAY "Attendance Report Shown"

END
```

Data Dictionary - Accomplished this section (Formalejo)

Data Dictionary

Paragraph 1: It defines each variable's name, size, type, and purpose to ensure clarity and consistency in system design.

Paragraph 2: The table below lists all the data names and their corresponding descriptions used in the pseudocode.

Table 1: Data Dictionary

Data Name	Size	Data Type	Description
FullName	35	String	Stores the complete name of the user
TimeIn	5	String	Records the user's time in (HH:MM format)
CourseTime	5	String	Holds the scheduled start time of the class
Status	7	String	Displays the user's attendance status (Present, Late, Absent)
Answer	3	String	Stores the user's response if there are more inputs (Yes or No)

Code - Accomplished this section (Cenar, Formalejo, Ramirez, Silao, Tobias)

```cpp
#include <iostream>
#include <string>
using namespace std;

int main() {
    string fullName;
    string timeIn;
    string courseTime = "07:30";
    string answer;
    string status;

    do {
        cout << "Enter Full Name: ";
        getline(cin, fullName);

        if (fullName == "") {
            status = "Absent";
            timeIn = "None";
        } else {
            cout << "Enter Time In (HH:MM): ";
            getline(cin, timeIn);

            if (timeIn <= courseTime) {
                status = "Present";
            } else {
                status = "Late";
            }
        }

        cout << "\nAttendance Report:\n";
        cout << "Name: " << fullName << endl;
        cout << "Time In: " << timeIn << endl;
        cout << "Status: " << status << endl;

        cout << "\nAre there more users to input? (Yes/No): ";
        getline(cin, answer);

    } while (answer == "Yes" || answer == "yes");

    cout << "\nGenerating Final Attendance Report" << endl;
    cout << "Attendance checking complete." << endl;

    return 0;
}
```

Results and Discussion - In progress
Conclusion - No progress yet
References - In progress