



SMART ATTENDANCE APP

We addressed this issue by introducing a new mobile app that allowed teachers to track the attendance of students simply and cost-effectively. We also used very low-cost sensor work as a counter to count the exact number entered in the class.

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Abstract

Building Smart a Smart Attendance Mobile app consider one of the most applicable solutions for University teachers, schoolteachers, and professors in the universities to reduce time-consuming and manage this process smartly and efficiently, and cost-effectively. In our project, we will use a simple sensor Ultrasonic sensor as a counter that will help us to know exactly the real number of students that attend the class and then compare it with the number of students' attendance from the mobile application.

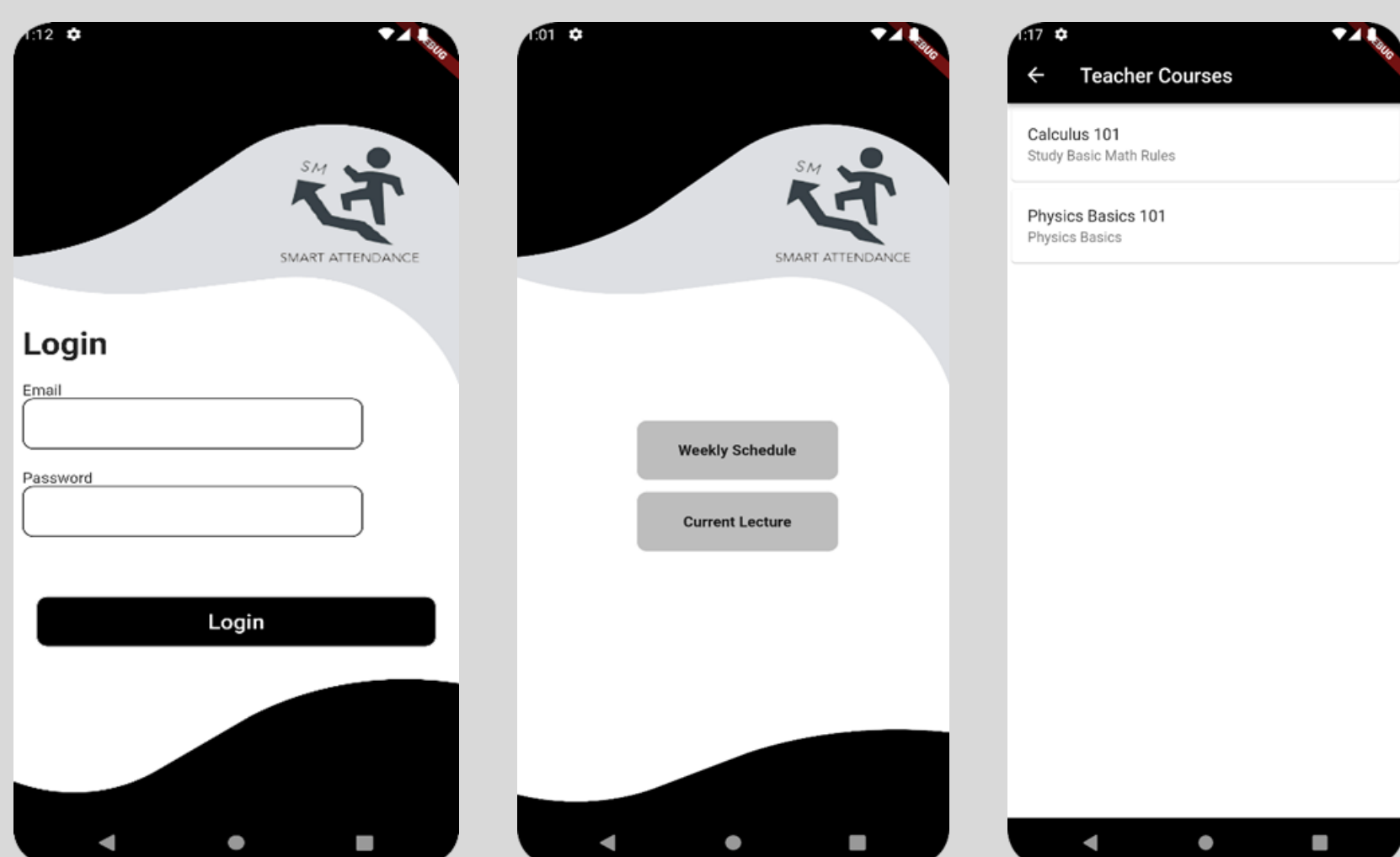
Problems

The current attendance system in most of our universities, considered very traditional, has many issues wasting teachers' time. The teacher has to call each student and make sure he is in the class, which means sometimes we lose around fifteen minutes of class time. Also, the teacher needs to record this attendance, which means, in general, losing time and losing data.

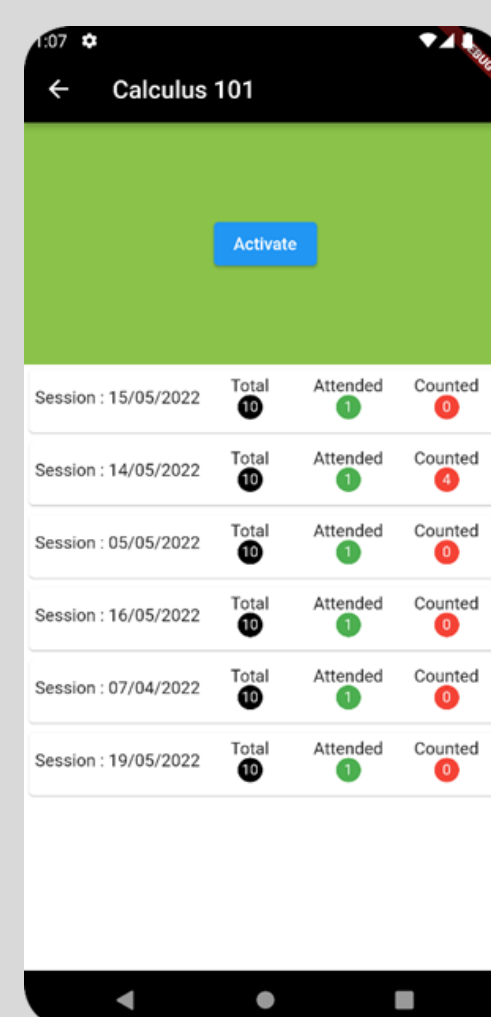
Aims and objectives

Design and build student attendance mobile app to provide attendance solutions that can be used in schools, universities. Build software-based solutions and use an affordable sensor to count the number of a student who entered the class. Saving teacher time of tracking student attendance process by making this process automated with our app. Avoid attendance manipulation between students.

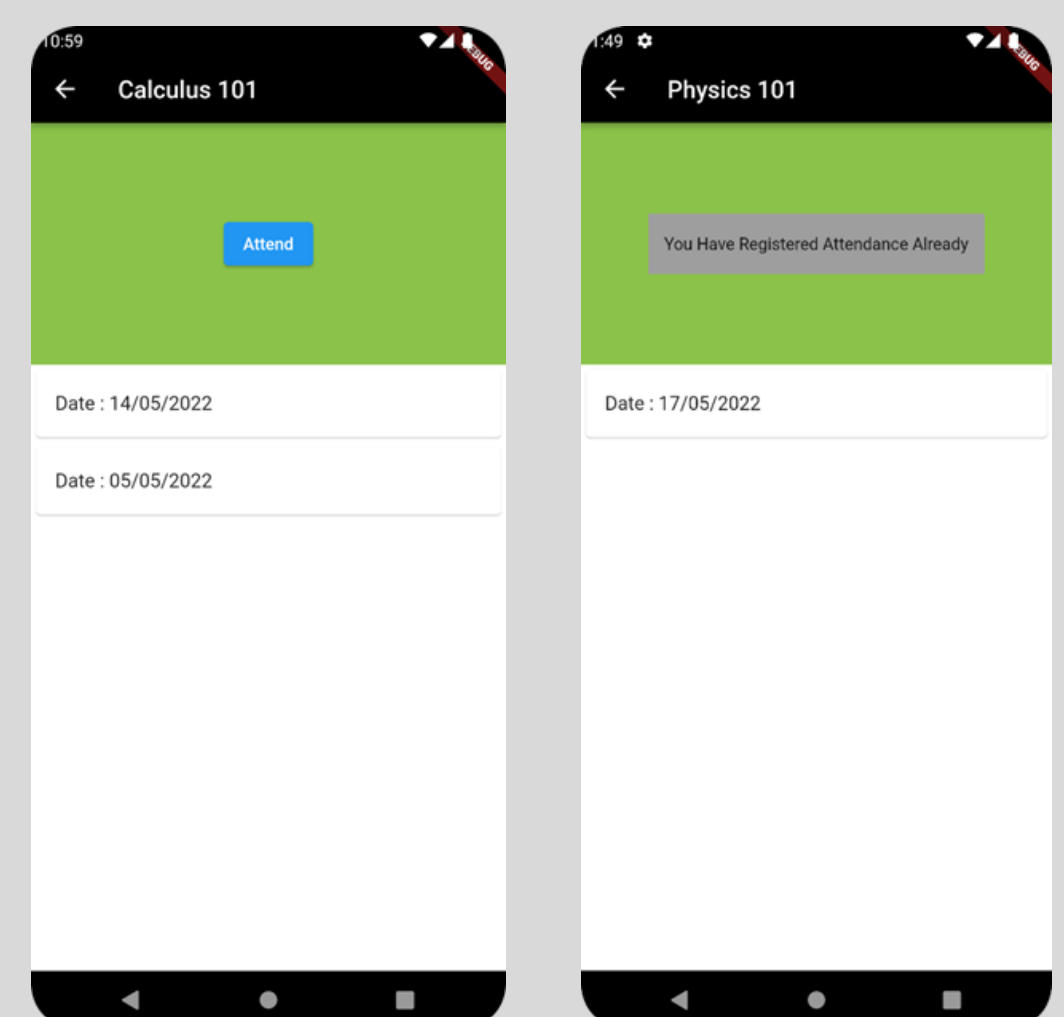
Student and Teacher



Teacher



Student



Tools



Future Plan

- Add the Arabic language to the app.
- Let students send the reason for their absence.
- Teachers can send a warning to the students who have been absent a lot.
- Students and teachers can receive notifications about class dates and times.

Conclusion

We found that most universities use the traditional attendance system, which means that all work and operations are recorded by working with the personnel manual according to the "old fashion method," which consists of a large amount of paperwork that is not effective and efficient. We had the idea of our project to build a smart attendance app, which is one of the solutions that help to promote digital transformation in order to reduce the congestion and the time spent by the teacher on the attendance of his students