

# Auto Attend

## Team Members

Ahmed Marzuq, Abdulrhman Saeed, Mazen Mohsen, Thamer Thib, Abdulmohsen Mohammed, Rayed Eidan

### 1.Introduction

In the beginning, let us review the problems, how much the Lecturer loses time for attending, and sometimes he mistakes another Student, but our project idea can solve it. What about the Students They mistake things that the project can solve, such as what is the proper hall and is that my Course; if the project has rich for the highest compilation, we can use it for things other than the university, such as Cafés, restaurants and touristic places, this project can have many ideas involving (area information and sending it for the user)

### 2.Abstract

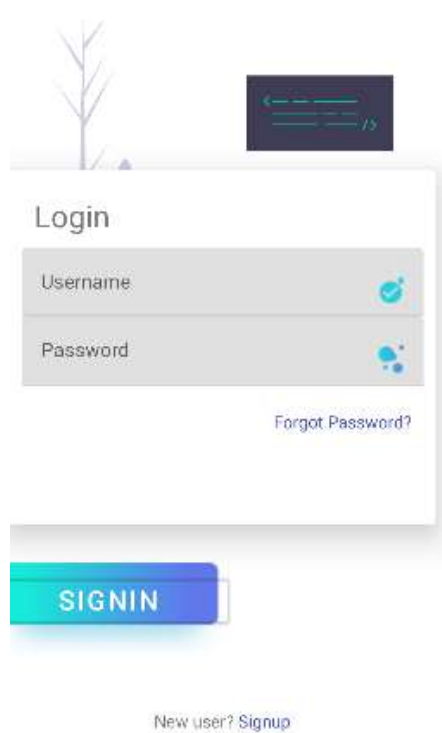
It is a smartphone software whose main objective is to facilitate various tasks that used to take both the student and the lecturer a lot of time. And it's easy to use just hold your phone to the NFC Tag and it'll set you attended. The App could used not just for university and students, but it's also could used for any organization with its employees.

### 4. Advantages

- Attendance and absence for all students automatically.
- Temporary for the duration of the student's lecture attendance.
- Hall status, is there a lecture or not.
- Fetching the information of the current hall, for example (the lecturer, the Lecturer start timer)
- Hall Lectures.
- Print the student attendance record for only the lecturer...

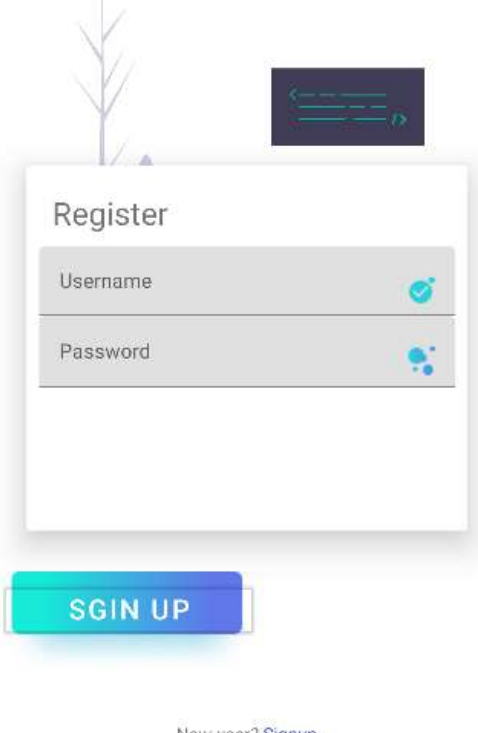
### 8. Results :

Login page :



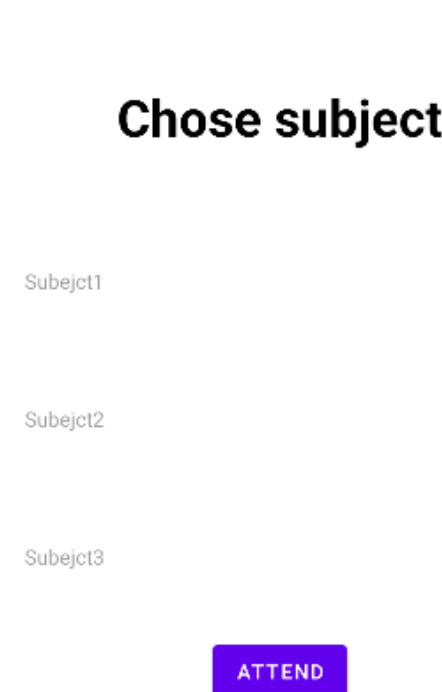
In this page the student need to Enter the user name and the password and the app code will match it with the firebase database  
If there is no account then click in sign up text

Register Page:



In this page the student need to Enter the user name and the password and the app code will add it with the firebase database  
Now we can go back to login page

Subject page :



In this page the student need to chose the subject to attend then click on attend bottom

Scan page :



In this page the student need to scan NFC tag in hes phone and then automatically the app take take the student to the attend page

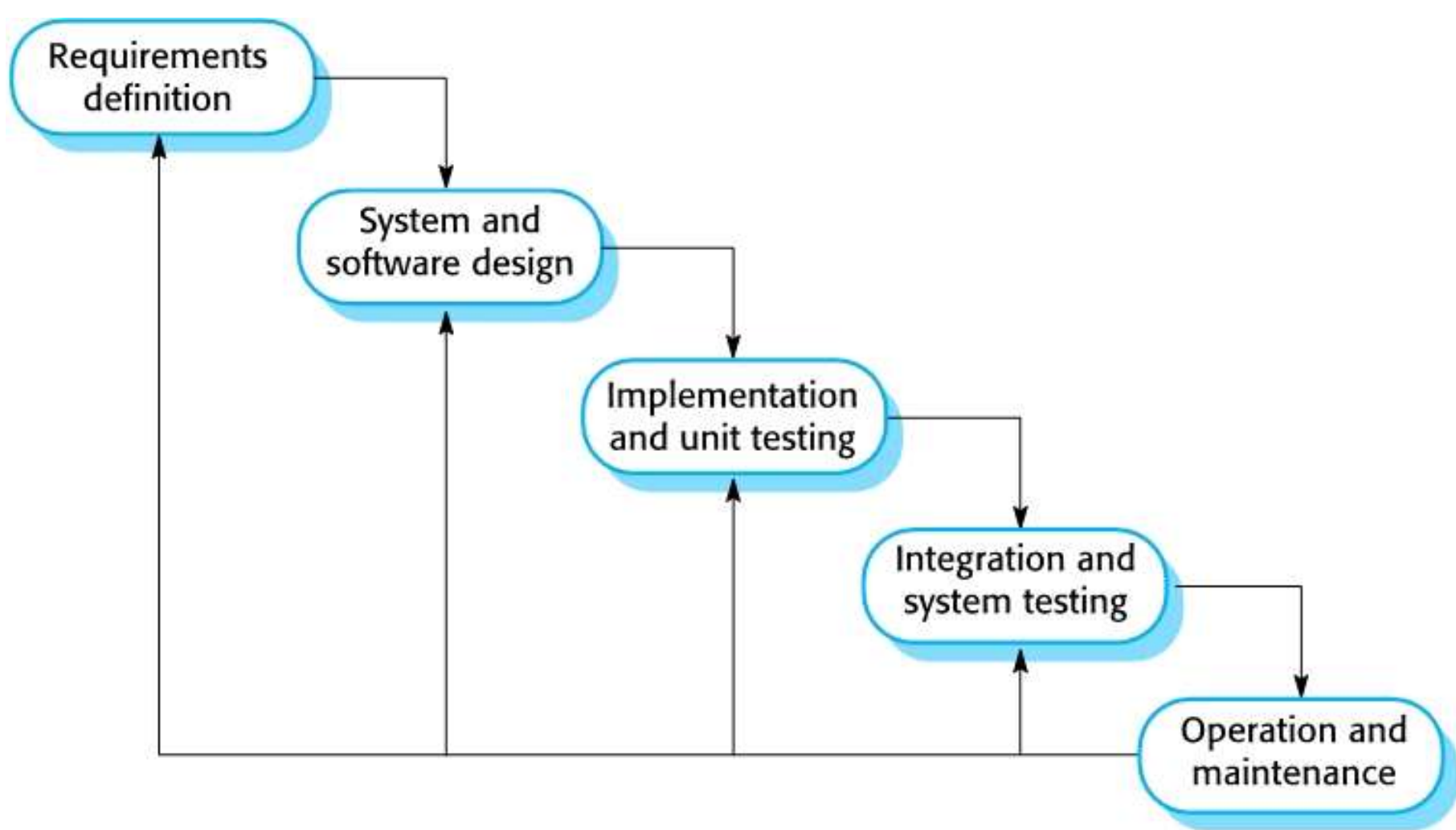
Attend page :



In this page a message will show the student that he is attend and the app will send to the firebase database the attend status

### 5. Methodology

Waterfall project management will be used. The waterfall technique is a project management strategy that places a focus on a straight line from the start to the finish of a project. This practice is frequently used by engineers, who are front-loaded to rely on careful planning, thorough documentation, and diligent execution. The Waterfall process usually includes stages:

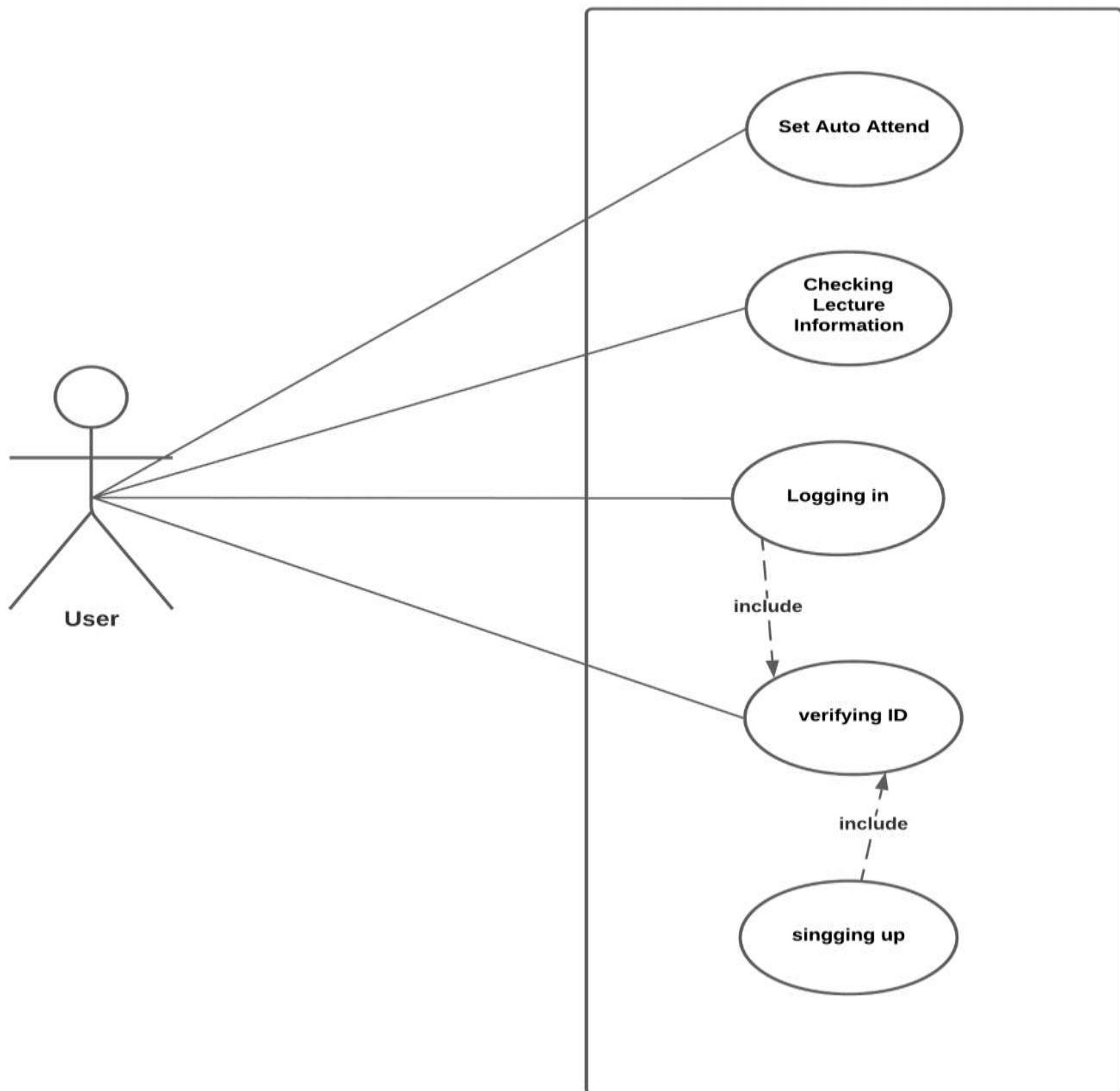


### 7. Tools :

Android Studio :  
is the official integrated development environment (IDE) for Google's Android operating system, built on JetBrains' IntelliJ IDEA software and designed specifically for Android development, and support java and kotlin language.

Firebase database :  
is an app development platform that helps you build and grow apps and games users love. Backed by Google and trusted by millions of businesses around the world, is first product was the Firebase Realtime Database, an API that synchronizes application data across iOS, Android, and Web devices, and stores it on Firebase's cloud. The product assists software developers in building real-time, collaborative applications.

### 6. Use case Diagram



### 3. Aims and Objectives

Therefore, we are working on an application for university students to facilitate the connection and save time for students to find halls and teachers.

Auto-attendance and timer for the duration of the student's lecture attendance.

Our system will save the teacher and student time. Also, the conflict with Student's name will not be an issue.

### 9. Conclusion

In conclusion, it's evident that the goal of this project was to enhance the productivity and effectiveness of the teaching and learning process. By developing a system that helps to keep teachers focused on their lectures, it has become easier for them to maximize the time spent on imparting knowledge to students. The implementation of this system has led to an increase in the productivity of both teachers and students. By freeing up the teacher's time, they can now concentrate solely on their