3. External Interface Requirements

3.1 User Interfaces

3.1.1. Web design
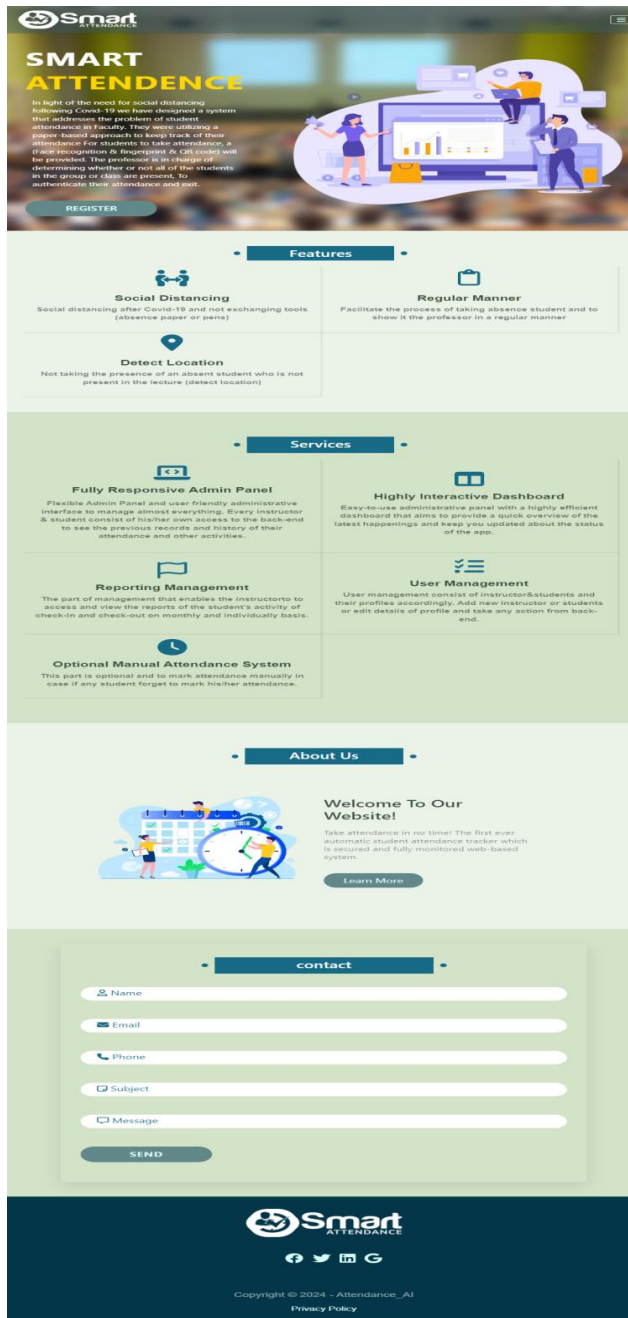

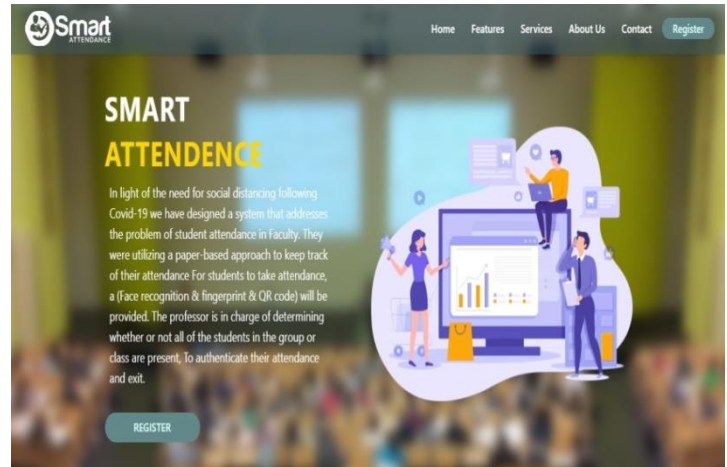Fig (3): First page

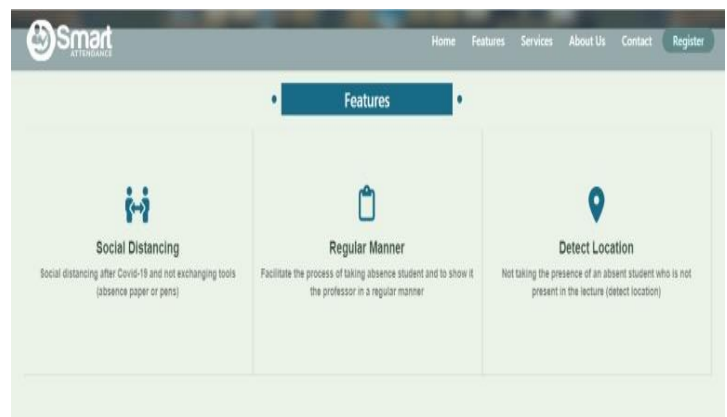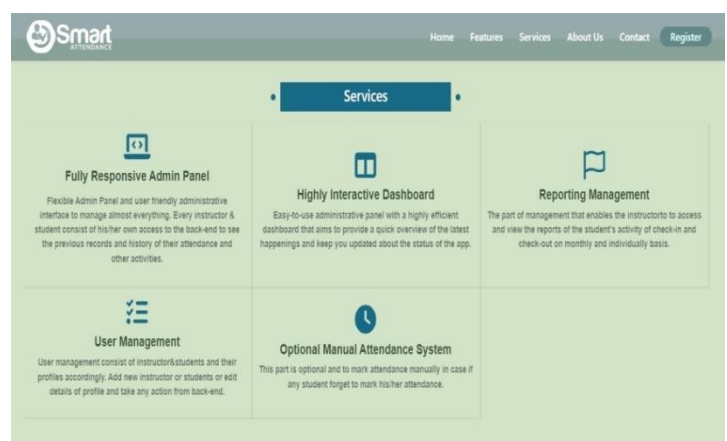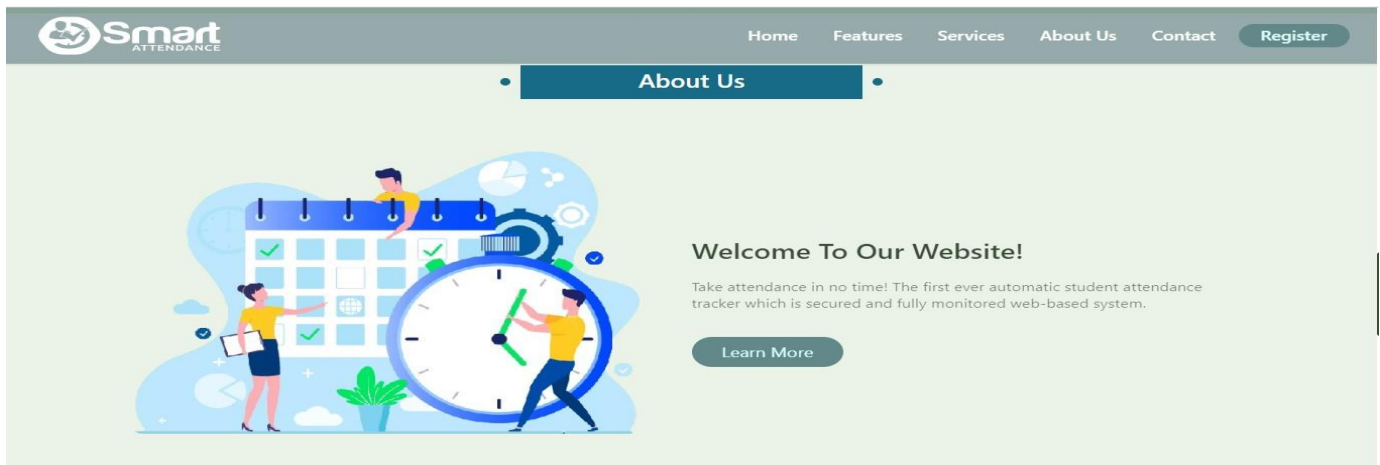Fig (4): Features

Fig (2): Intro page

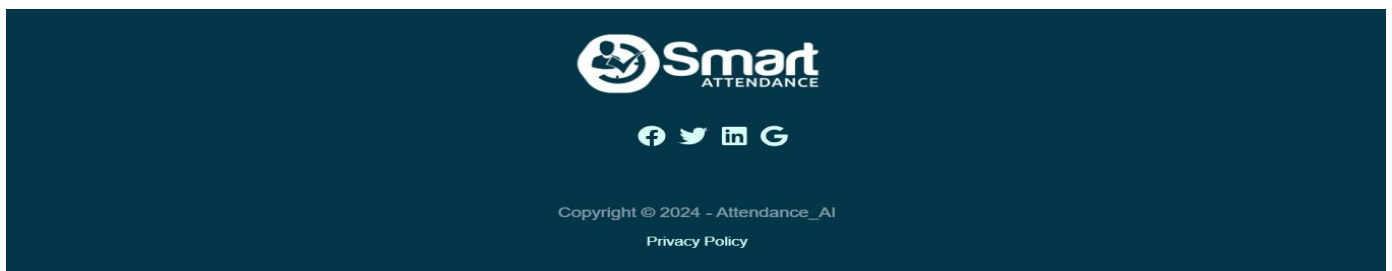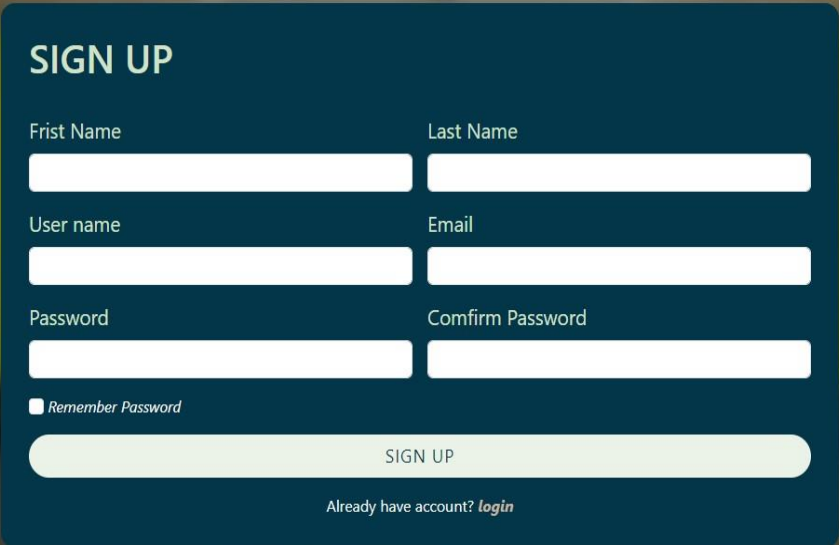Fig (5): Service

Fig (6): First about us

Fig (7): First contact

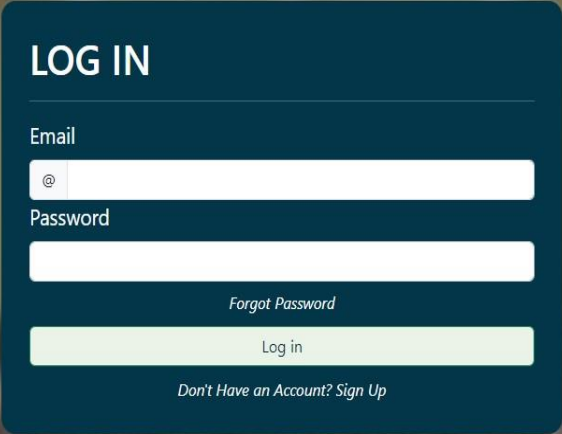Fig (8): Footer

Fig (9): Sign up page

Fig (10): Log in page

Fig (11): main page

Fig (12): Add course

Fig (13): View course

Fig (14): Add lecture
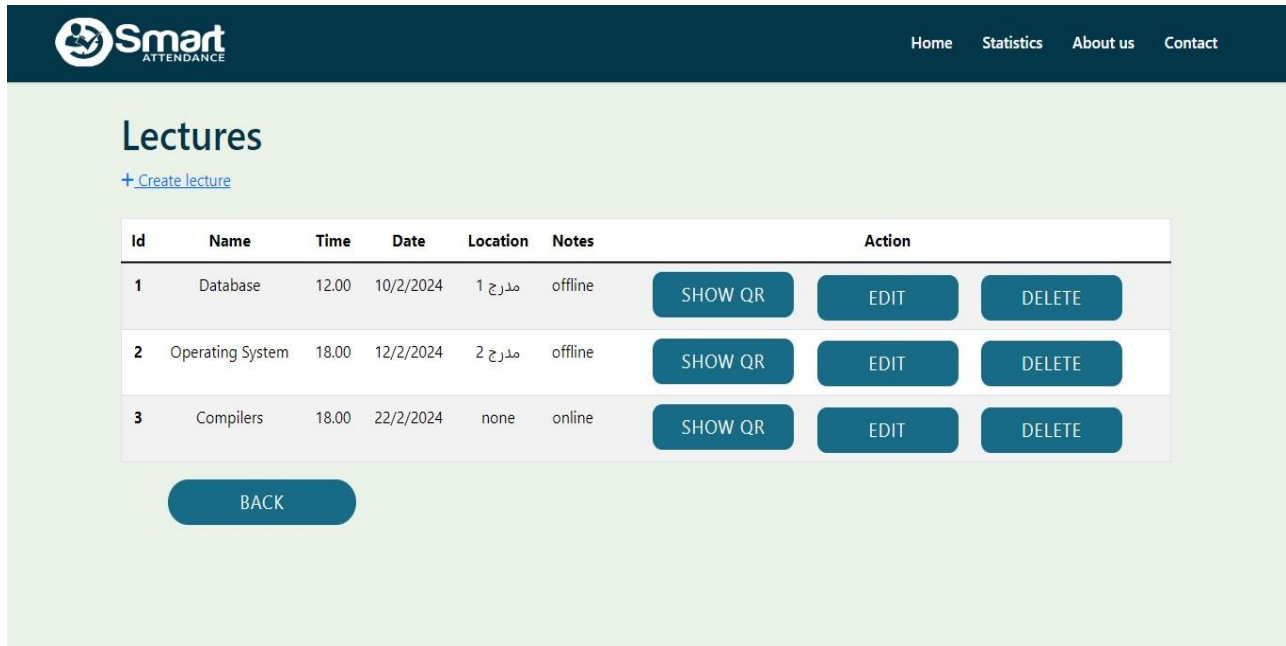
Fig (15): View lecture

Fig (16): Show QR code

Fig (17): Show sheet

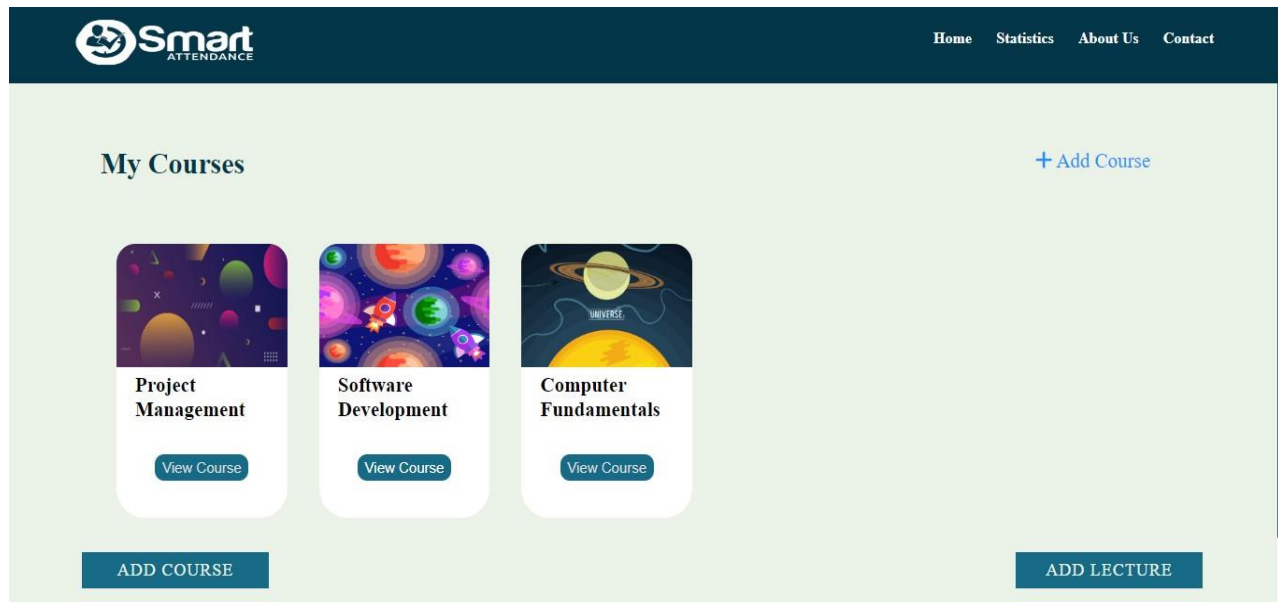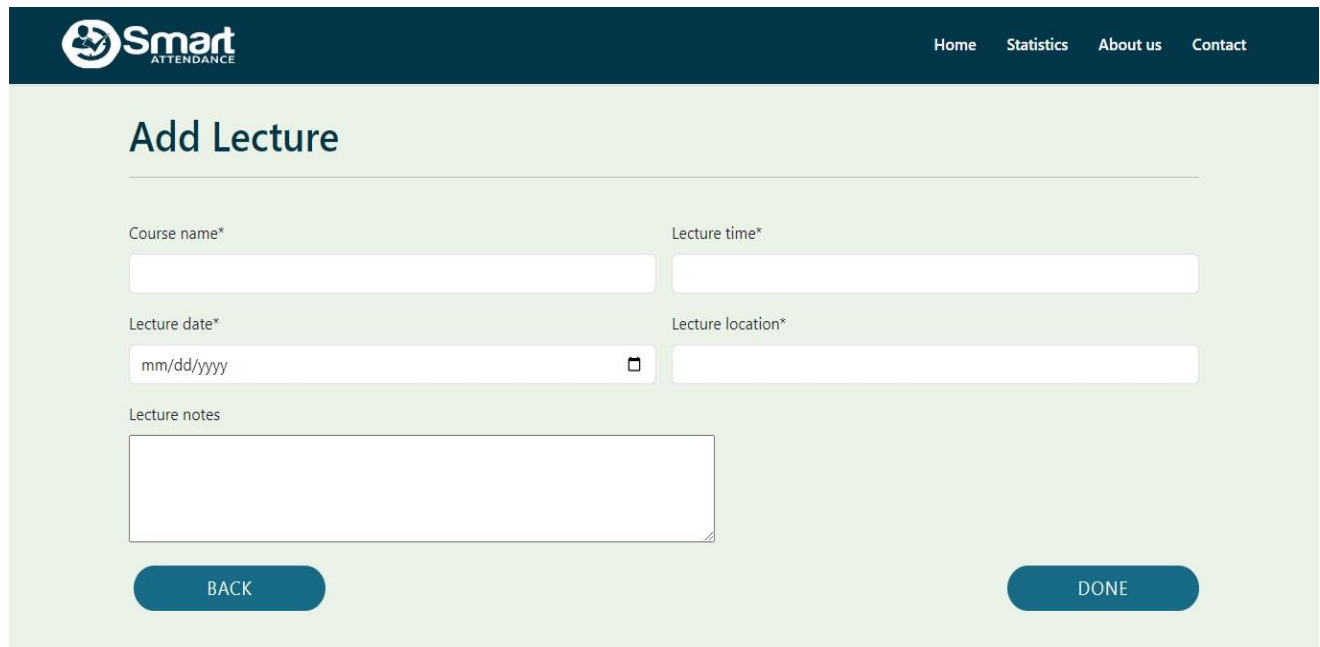Fig (18): About page

Fig (19): Contact page

3.1.2. Mobile app

Fig (20): Welcome

Fig (21): Sign up

Fig (22): Log in   Fig (23): Main page

Fig (24): Face recognition

Fig (25): Fingerprint

Fig (26): Dashboard

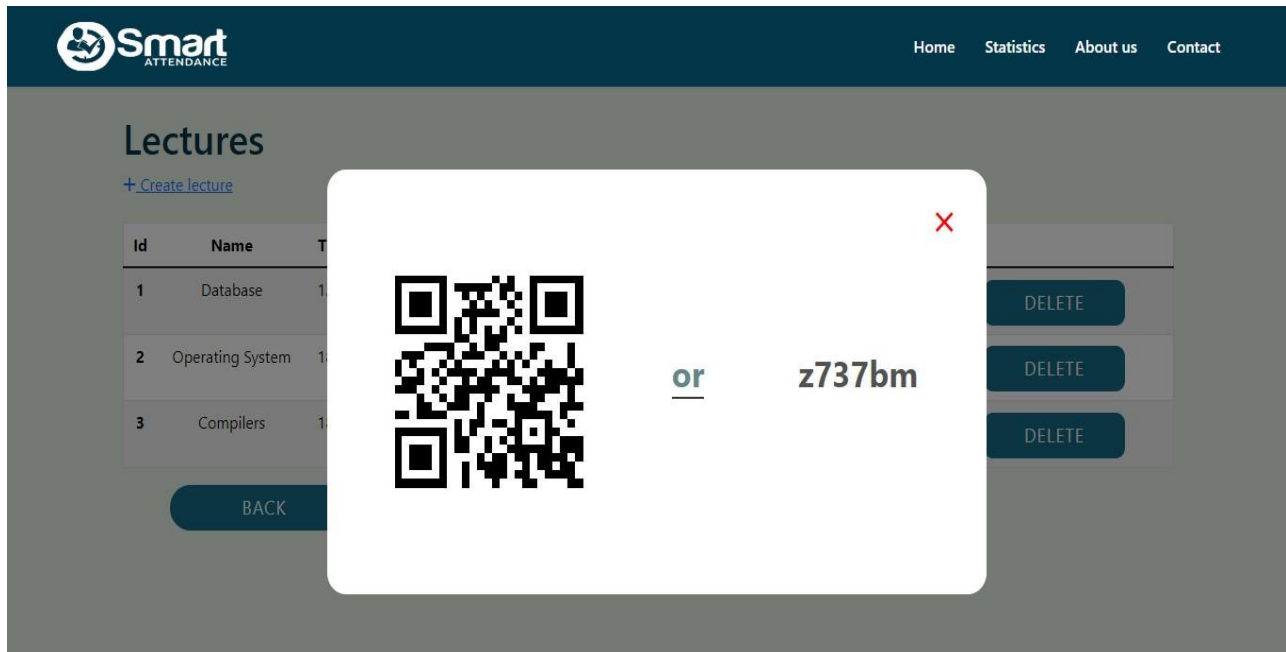## 3.2 Hardware Interfaces:

The requirements of the desktop computer where the system going to be installed. The requirements of a smartphone that has a camera or fingerprint and installing the application for the student to be able to attend.
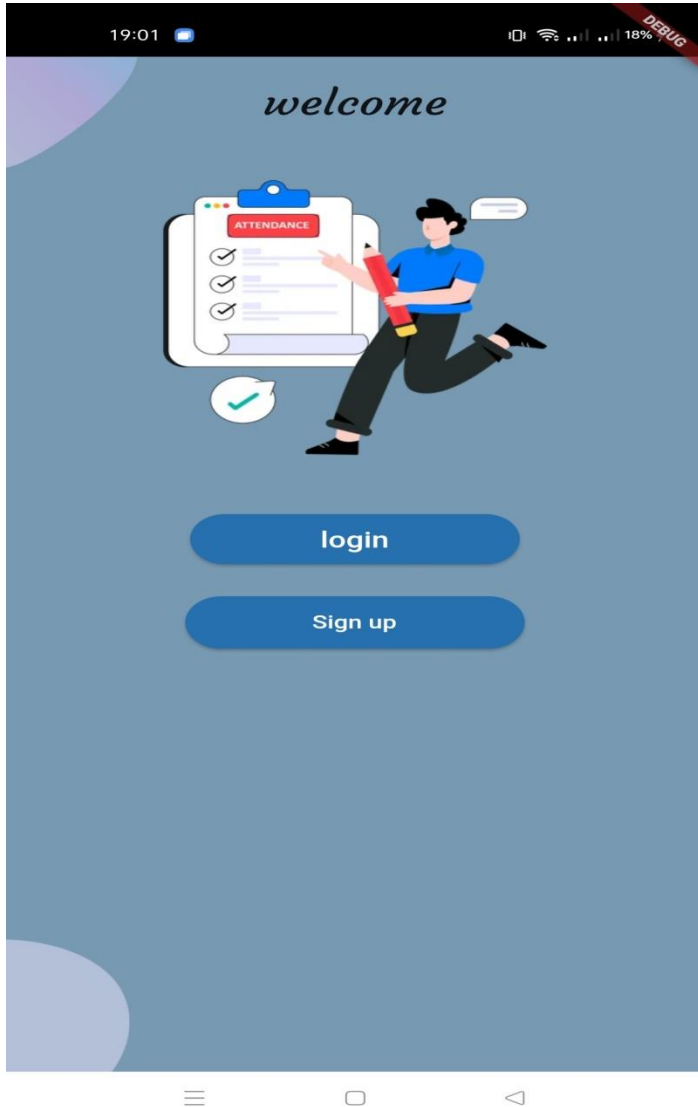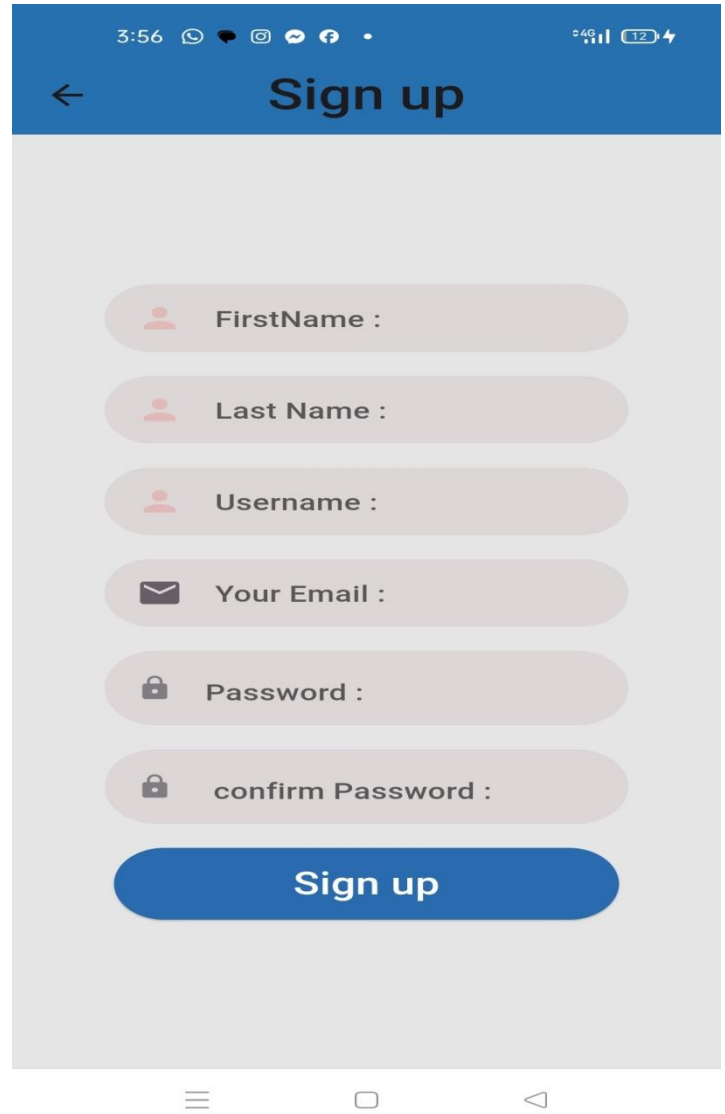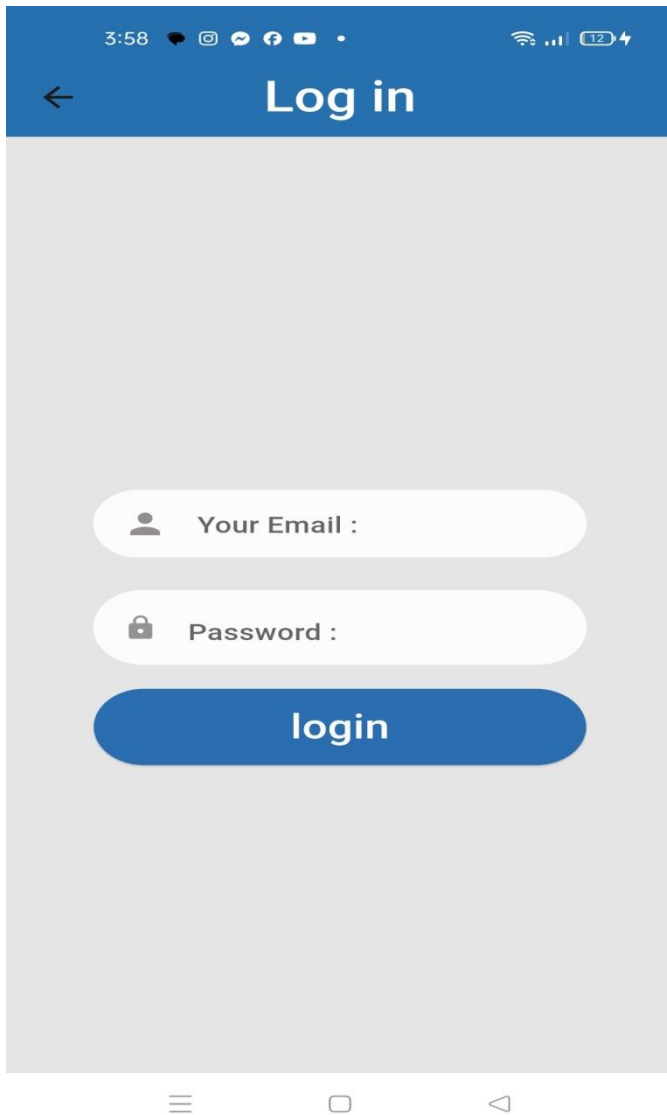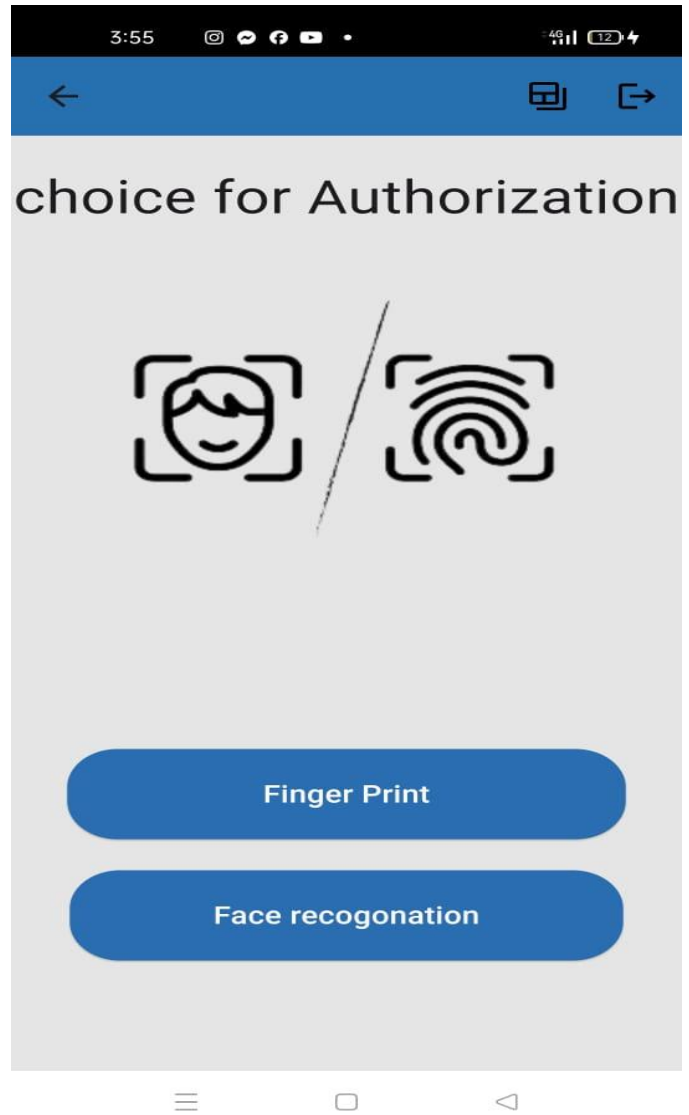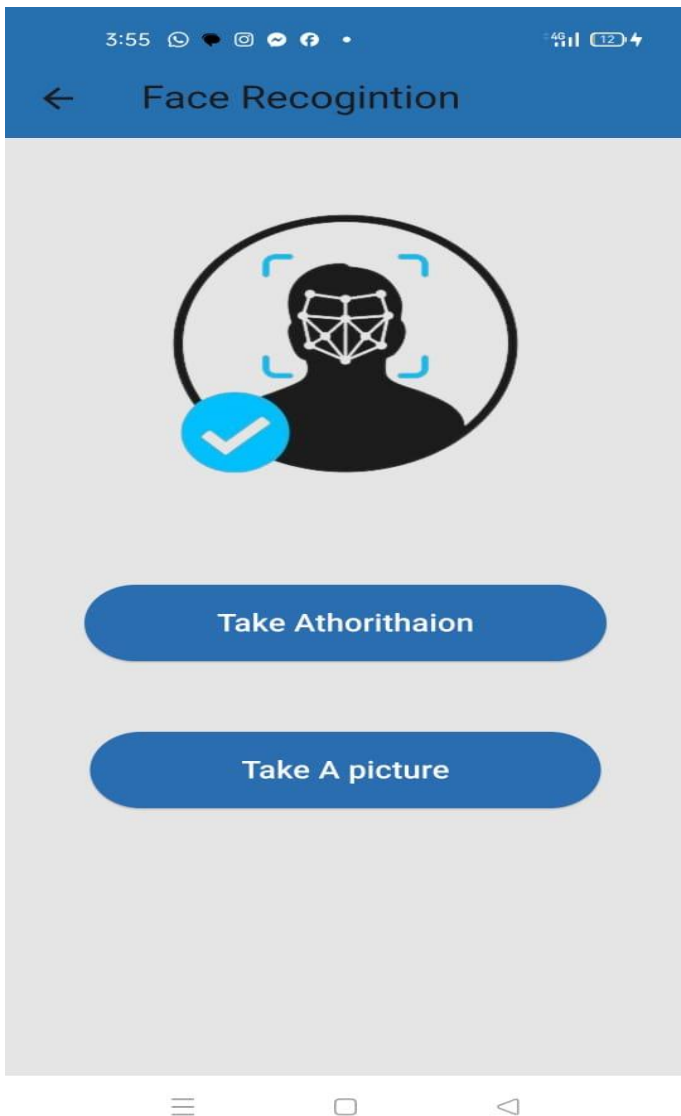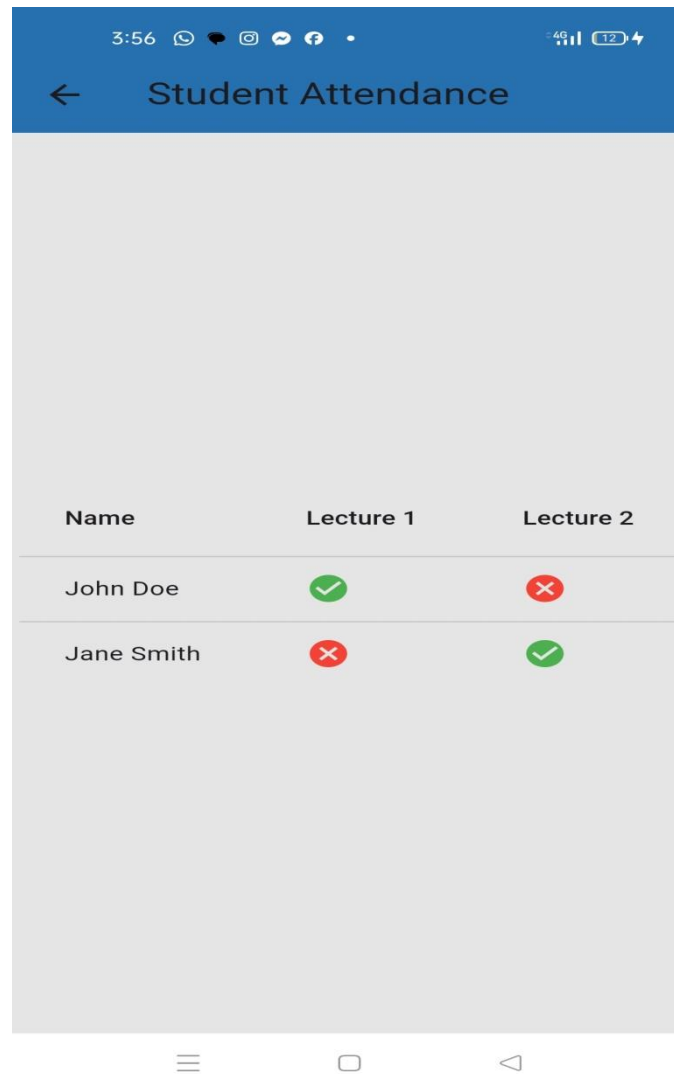
3.3 Software Interfaces:

The computer this software going to be install need to have windows 10 operating system. On that Windows platform
.Net 7.0 will be installed and that will be the platform the particular software will be run. There will be Microsoft SQL Server Management Studio 2018 that should be installed. The operating system for Mobile devices should be Android.

3.4 Communications Interfaces:

When a student scans the QR code after verifying the identity using the fingerprint or facial recognition feature, it will be registered with the professor in the attendance table.