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# **Quick Response (QR) Code-Based**

## *Attendance System*

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**USER MANUAL**

# ABOUT THIS GUIDE

This guide will guide you on how to use the QR Code-Based Attendance System Application from signing up, signing in, importing class list, scanning and exporting the generated record.

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# THE DEVELOPERS

From Bachelor of Science in Computer Engineering 1-2, Batch 2. The first one is Hanznyl Vission T. Gatdula from Indang, Cavite. Next is Kurt Jalen M. Jonson from Tanza, Cavite and the last one is John Emmanuel C. Pacomio from General Mariano Alavarez, Cavite.

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# STORY BEHIND THE APP

The original plan of the developers was to develop an attendance system using Radio Frequency Identification (RFID). But due to the lack of funding and materials, the team revised their plan to a simpler and cheaper way. Barcode scanner and QR Code scanner were the two choices and since the barcode is often used for goods and other material things, the developers decided to develop an application that can record the attendance of the class by scanning a QR Code.

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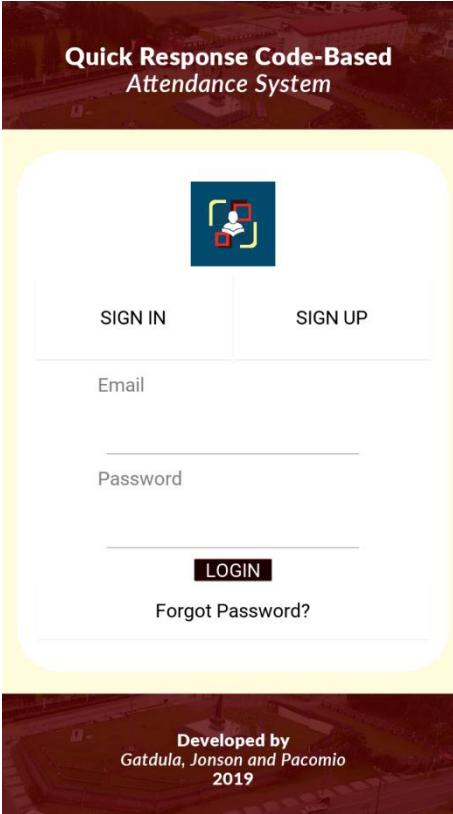
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## Introduction to QR Code-Based Attendance System

QR Code-Based Attendance System is an application that works on laptops and mobile phones. Through it, university instructors will have an organized and computerized attendance record, wherein the student's full name becomes the basis to create a QR code. Once the generated QR Code gets scanned under the application, the student will be put into a list under the date of scan. The application can export an excel file containing the data and send it to an email provided by the instructor.

## Creating an Account

In launching the application, you'll be directed to the login page.



The image shows a mobile application interface for a QR Code-Based Attendance System. The top header is dark red with the text "Quick Response Code-Based Attendance System" in white. Below the header is a yellow background with a white rounded rectangle containing the login form. At the top of the form is a QR code icon. Below it are two buttons: "SIGN IN" and "SIGN UP". Under these are input fields for "Email" and "Password". A "LOGIN" button is positioned below the password field, and a "Forgot Password?" link is at the bottom of the form. The bottom of the screen features a dark red footer with the text "Developed by Gatdula, Jonson and Pacomio 2019" in white.

To create an account, press sign up and follow the steps below:

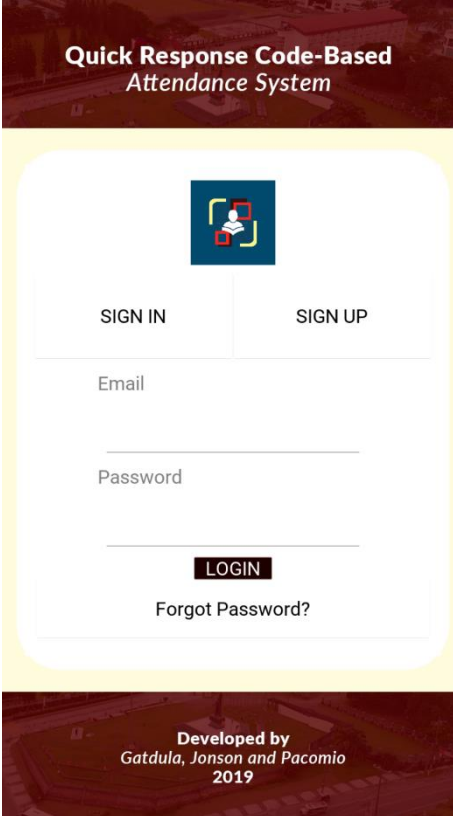
**Step 1:** You will be asked to fill up the form containing your personal information. Make sure to fill up all the information. The email must be valid (with @email.com). Once you are done, press **CONFIRM**.

The image shows a mobile application interface for entering professor information. At the top, there is a dark red header bar with the word 'BACK' in white. Below this is a yellow background area containing a white rounded rectangle form. The form is titled 'PROFESSOR'S INFORMATION' in bold black text. It contains five input fields: 'First Name', 'Last Name', 'Email' (with the placeholder text 'sample.email@gmail.com'), 'Password', and 'Confirm Password'. At the bottom of the form is a dark red button with the word 'CONFIRM' in white. The form is framed by a grey border at the top and bottom.

**Step 2:** After pressing CONFIRM a pop-up message will tell you that you can sign in. You can now go back to the login page by pressing the button on the top left.


## Signing In

In signing in, you should be on the login screen to enter your details. Make sure to enter correct details (please enter correct email and password) to proceed with the selection of class before pressing 'LOGIN'.



The image shows a mobile application interface for a 'Quick Response Code-Based Attendance System'. The interface is divided into three main sections: a header, a central form, and a footer. The header is a dark red banner with the title 'Quick Response Code-Based Attendance System' in white. The central form is a white rounded rectangle on a yellow background. It features a QR code icon at the top, followed by 'SIGN IN' and 'SIGN UP' buttons. Below these are input fields for 'Email' and 'Password', a 'LOGIN' button, and a 'Forgot Password?' link. The footer is a dark red banner with the text 'Developed by Gatdula, Jonson and Pacomio 2019'.

**Quick Response Code-Based Attendance System**



**SIGN IN** **SIGN UP**

Email

Password

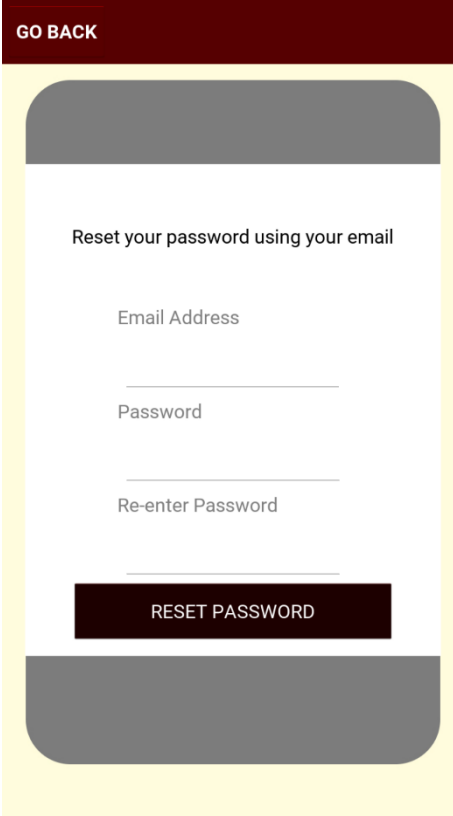
**LOGIN**

[Forgot Password?](#)

**Developed by**  
Gatdula, Jonson and Pacomio  
2019

## Forgot Password

In case you forgot your password, click the 'Forgot Password?' button under the 'LOGIN' to set a new password for your account. In resetting the password, you must need to input the email you entered when you answered the sign-up portion of the application. Otherwise, you cannot reset your password if you entered a wrong email address.



The image shows a mobile application interface for resetting a password. At the top, there is a dark red header bar with the text "GO BACK" in white. Below this is a light yellow background. In the center, there is a white rounded rectangle containing the text "Reset your password using your email". Below this text are three input fields: "Email Address", "Password", and "Re-enter Password". Each input field has a horizontal line below it. At the bottom of the white rounded rectangle is a dark red button with the text "RESET PASSWORD" in white. The entire form is framed by a light yellow border.

## Selecting a Class and Importing Class List

After a successful login, you will be directed to a new window wherein you can choose where to put your class list and scan. You only have 5 classes available for input.

Quick Response Code-Based Attendance System

Class 1

Class 2

Class 3

Class 4

Class 5

After choosing a class, you can enter the section name on the upper portion. In entering the class list, it must be copied from a text file or manually entered in the text input. For synchronization, the names must be like this:

Input Class Section

Enter Student Names

IMPORT RECORD OF THE CLASS

START SCANNING

INPUT EMAIL BEFORE EXPORT

EXPORT ATTENDANCE TO EMAIL

When you're done entering the class list, make sure to press 'IMPORT RECORD OF THE CLASS' to save it to the database.



## Scanning of QR Codes

The QR Codes must be similar to the names on the Class List. To start scanning, press 'START SCANNING'. If the name in the class list is **DELA CRUZ, JOHN MIGUEL**, the name on the QR Code must also be **DELA CRUZ, JOHN MIGUEL** to be recognized by the program. The program will also not record the names that are not on the class list. To end the scan, press s or back.

## Exporting the Attendance Sheet

In exporting the attendance file for the day of scan, you can get the excel file on the folder where this application is installed. Or you can send it to an email address by entering an email on the text input before pressing the button 'EXPORT ATTENDANCE TO EMAIL'.

The screenshot displays a mobile application interface with a yellow background. At the top, there is a dark blue header bar with the text 'Input Class Section'. Below the header, the interface is divided into several sections. The first section contains a light gray text input field labeled 'Enter Student Names' and a dark red button labeled 'IMPORT RECORD OF THE CLASS'. The second section is a solid dark gray bar with the text 'START SCANNING' in white. The third section contains another light gray text input field labeled 'INPUT EMAIL BEFORE EXPORT' and a dark red button labeled 'EXPORT ATTENDANCE TO EMAIL'.

The attendance file name is the 'Attendance + number of class.xls'. The sample attendance file is shown below:

	A	B	C	D	E
1	December 4, 2019				
2	ASURNAME, ANAME I.				
3	BSURNAME, BNAME I.				
4	CSURNAME, CNAME I.				
5	DSURNAME, DNAME I.				

## Extra Panel

In case you need help or you want to know about the developers, you can press the double line button on the upper left of the application.



## Help

### How to enter my class list?

First, select class. Then paste or enter student names like the picture below.

BAK, STEPHEN C.  
 ALFON, ROBERT C.  
 AMALIANO, WYNNE JUSTIN B.  
 ARELLANO, MARCELO D.  
 BRIGANT, JUSTINE GLENN F.  
 CARDONA, JOHN HENRY P.  
 CELIS, KRISTIE R.  
 COLARDO, MARK LOUIS C.  
 CRIVIANO, CHRISTIAN EDWIN E.  
 GARCIA, PHILIPINE JOHN B.  
 DE VERA, EDUARDO  
 DELA, MARCEL C.  
 DOMIN, CHARLES S.  
 DOMINIC, PETER EDWARD J.  
 ESCOBAR, MARK PETER R.  
 ESCOBAR, ADRIAN J.  
 GARCIA, RICHARD MARCO T.  
 GATDULA, HANZNYL VISSION T.  
 GONZALEZ, MARK VINCENT C.

Click the button after all the names are entered. Doing this will save the names on the database.

### How to start and end scan?

Click the button 'START SCANNING' and scan the QR Code of the students. Make sure that the name on the QR Code is the same as the name entered on the class list. If you entered 'APPLE, JOHN' the name on the QR Code must be 'APPLE, JOHN' too.

To end the scan, press back or type the letter 's'.

### How to get the excel file?

After scanning, an excel file will be generated on the file portion of this app. The file name of the file is Attendance (and the number of class).xlsx.

If you want to receive it on your email account, type your email first before selecting export attendance to email.

## About the Developers



### Hanznyl Vission T. Gatdula

Graduate of St. Gregory Academy, From Indang, Cavite



### Kurt Jalen M. Jonson

Graphic Designer, Photographer, Journalist, Graduate of Our Lady of the Holy Rosary School, From Tanza, Cavite



### John Emmanuel C. Pacomio

Class Representative of BSCpE 1-2, Graduate of General Mariano Alvarez Technical High School, From GMA, Cavite