

Attendance Management System Outline

Short Summary:

We are developing an Attendance Management System using Flutter for the app interface and Firebase for the backend. This dynamic system empowers teachers and administrators by offering comprehensive control over student and teacher information. Teachers can perform CRUD (Create, Read, Update, Delete) operations on student records within their assigned classes. Administrators have CRUD access for both teachers and students. Teachers can mark students as present or absent daily, and the system records attendance on a per-day basis. Monthly attendance reports for each student will be generated and displayed.

OVERVIEW & PURPOSE

1. Student (CRUD)
2. Login/signup (Admin/Teachers (Users))
3. Attendance Database in Firebase

Login Page :

- Teachers and admin can signup and login using google, or using email id. (some doubts are there regarding this)
- Admin can apply CRUD on teachers and student data
- Everytime Teacher will have to fill in information such as name, class taken, Email, date of joining, and some school id number for verification to register.

Teacher Name *

Donna Huber

Address *

3354 Round Table Drive, Cincinnati,
OH 45240

Email Address *

Password *

Qualification *

M.Sc

Grade *

12 - B

Date of Joining *


2019-05-01

Image *

Choose File

No file chosen

Only .jpg and .png allowed

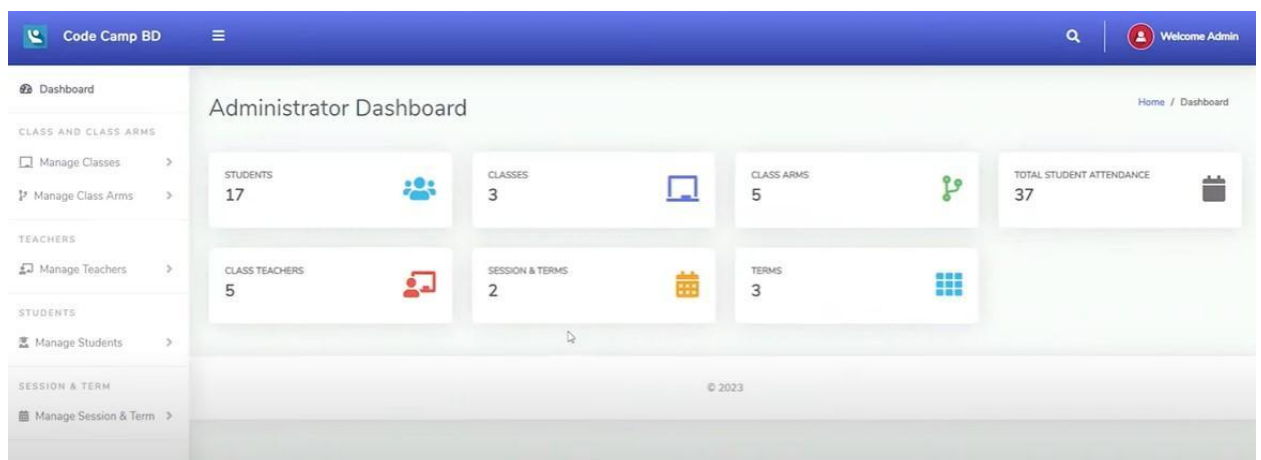


Edit

Close

PART 1 : Admin

- Initial admins will be added manually through code in the app.
- After that, only admins can add other admins
- Admin will have access to the teacher and student data as well.
- Admins can perform CRUD Operations (add, view, edit, or delete) on teachers, and students, and classes, session and terms.



The Admin will get a dashboard where he/she can manage teachers, student, attendance data .

PART 2 : Teacher

- Teachers can perform CRUD Operations (add, view, edit, or delete) on students
- Teachers will have an option/button to add/edit attendance, after which they will select a class and the student list of that class will be displayed.

Add Attendance

Grade * 12 - A

Attendance Date *

Roll No.	Student Name	Present	Absent
1	Lisa Ochoa	<input type="radio"/>	<input checked="" type="radio"/>
2	Marcus Holmes	<input type="radio"/>	<input checked="" type="radio"/>
3	Ernesto Arnold	<input type="radio"/>	<input checked="" type="radio"/>
4	Lillian Harris	<input type="radio"/>	<input checked="" type="radio"/>
5	Charles Reed	<input type="radio"/>	<input checked="" type="radio"/>

A smooth tick-based attendance system will be our goal, so that teacher can just cross-check the student and add the attendance by one click of a button.

PART 3 : Student

- Student's attendance can be viewed by the teacher, and a report can be generated as well by integrating the csv data to PowerBI and fetching the results back.
- Similarly, the report of the whole class's attendance can be generated as well by PowerBI on the original student's attendance dataset.
- The data of student, and student attendance will be exported separately as student data will be required in the library management system as well.

UI-

The ui should be simple, and smooth, and not too cluttered. The focus will be easy usage and abstracting or hiding any technical implementation.



Akshar Paul

Welcome Back

Let's get started by filling out the form below.

[Student Login](#)

[Teacher Login](#)

[Admin Login](#)

Adminlogin

Admin Login

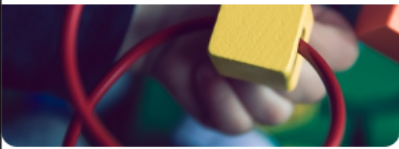
Please enter your credentials below.

Email

Password




[Log In](#)



Student Login

Email Address

Password




Login

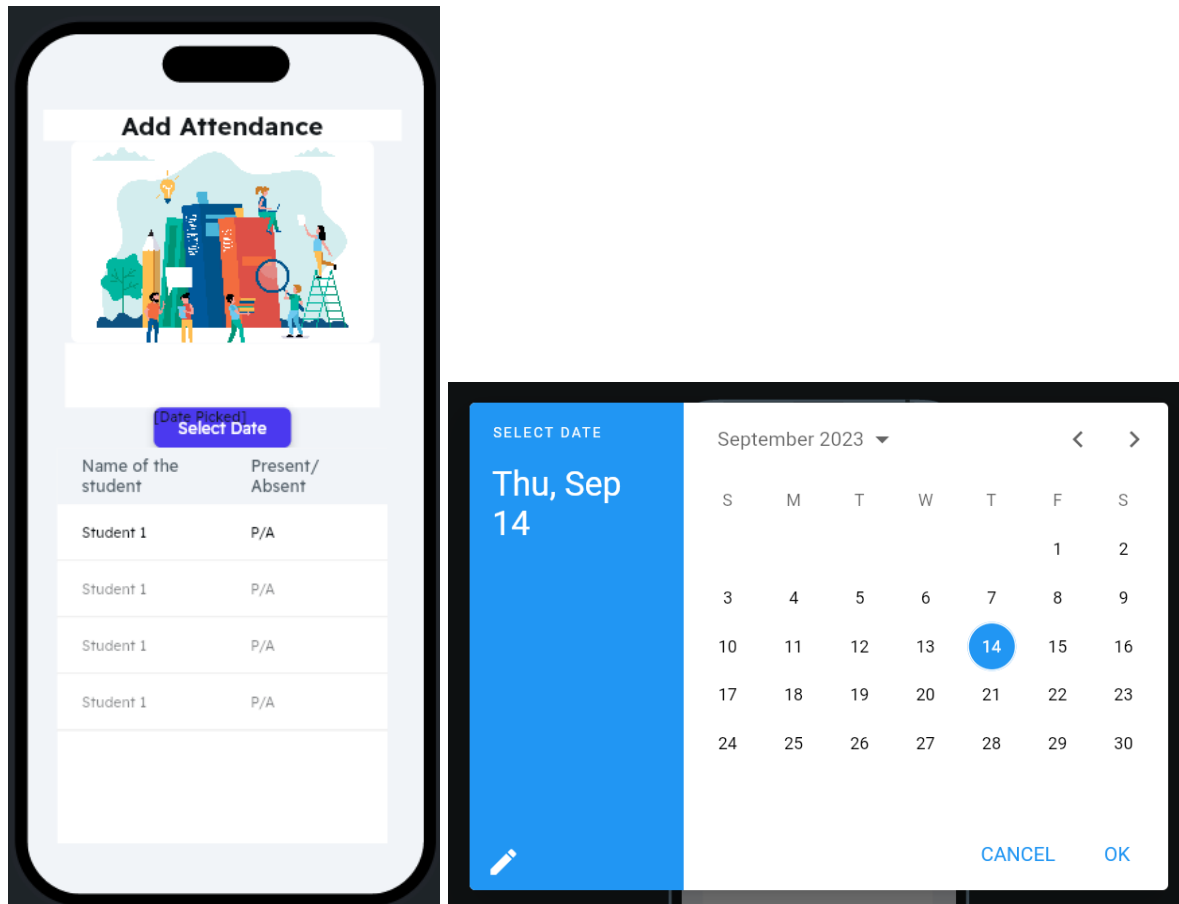
Teacher Login

Log in to your teacher account.

Password



Login



After clicking on the select date option.