

Product Vision Document

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1. Vision Statement

In light of the challenges presented by manual attendance systems, this digital system aims to explore and propose a solution that addresses these inefficiencies. The objective is to develop a more efficient, accurate, and accessible method for recording and managing attendance by leveraging modern technological solutions.

2. Stakeholders

Stakeholders in this section referred to potential users with the roles assigned to them to operate or use the system.

Role	Responsible
Student	- Obtain user account and properly check-in their attendance base on the on-going subject.
Teacher	- Oversee the classes in the teacher portal - Mark or Remark any attendance within the system. - Consolidate document and other operation.
Admin	- Oversee overall system - Create classes and subjects while assign to teachers to manage

3. Key Features

No.	Feature	Feature Detail
1	User Authentication	Students must authenticate themselves upon accessing the app. This ensures that only verified users can use the system, enhancing security and data privacy.
2	Scan QR for Check-in (Attendance)	A key feature is the ability to check into a class by scanning a QR code provided by the teacher. This system replaces manual attendance calls, allowing students to mark their presence digitally and reducing the time needed for attendance verification.

3	View Attendance History	Teacher may access the attendance marked by the students in the admin portal. Make adjustment to the attendance if necessary.
4	Class Management	Class contain teacher, students, and their attendances Class is used to generate QR for student to check in
5	Student Management	- Student Email - Passwords - Other info This is used to store student's information within the system while also creating them an account for checking in.
6	User Management	- Email - Passwords - Role

4. Process Flow

1. Student Check-in

Step	Action	Site	Description
1	Create Class	Admin Portal	Assuming class has not been created
2	Create Students	Admin Portal	Create Student in the system then save the log in credential for student to
3	Generate QR	Admin Portal	QR contain URL to the student portal page dedicate to that item.
4	Student's Log in	Student Portal	Use provided Email and Passwords to access the portal
5	Checking in	Student Portal	After successfully logged in with their account, student may check-in with optional remarks.

6	Save Screenshot (Optional)	Student Portal	After checked in successfully, student may screenshot the receipt if needed.
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2. Attendance List consolidating

Step	Action	Site	Description
1	Access Class	Admin Portal	Teacher may access any class with permission.
2	Recheck attendance	Admin Portal	Teacher may check or recheck attendance in the admin portal
3	Change Class Status	Admin Portal	Change status to inactive to end the class, making sure no more accepting any attendances.
4	Generate Report	Admin Portal	Export attendance in Excel