Emergency Class Manager Design Document Updates

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### Project Name

This project is meant to be used by schools during emergency situations or drills for emergency situations. It will be used for teachers to manage classes during these situations; therefore, we are calling it the **Emergency Class Manager**.

Group Members

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Design Description

The front-end design of our project is going to be created using Vue.js. This is a framework that will allow us to create the design of the website completely. On the website there will be multiple pages; some pages differ from the teacher to admin, and some will remain similar. When the user loads up to the website, they will be brought to the home page. This is before sign-in or registration. The page will consist of a logo, a drop-down navigation menu, and an “About Us” section to let users know about what the website is for. The navigation menu will have only two clickable items that consist of “Sign-In”, or “Contact”. If the user clicks the “Sign-In” button, they will be brought to a page where they can enter their email address. Then they will be emailed a Magic Link that will allow them to log in.

All pages will have a logo at the top of the page, that will redirect the user to a home page, and a drop-down navigation menu with seven clickable icons consisting of “Home”, “Account”, “Roster”, “Teacher Events”, “Contact Info”, and “Sign Out”. Teachers and Administration will be able to use the first five, while the admin will have access to an additional drop-down menu consisting of “Users”, “Events”, and “Classes”. Once a user has logged in, they will be sent to a dashboard page. This page will consist of a logo, a navigation menu, and a “Scheduled Events” box. This box will contain information about upcoming events for the week if there are any. This will be categorized by date, time, and type of drill. If there are no events scheduled for that week, it will say “No Events Scheduled”. The events information will be collected from the Supabase table after administration submits the events for that week.

On click of the “Account” button, the user will be sent to a mostly editable account page. This page will consist of all the information for the account including “Name”, and “Email”, which are not editable by the user, an optional “Phone Number”, and an optional “Emergency Contact”.

On click of the “Roster” button, the user will get sent to a page consisting of an editable table. The table will be stored in Supabase. The table will consist of “Student ID”, “Last Name”, “First Name”, and “Presence”. The “Student ID”, “Last Name”, and “First Name” columns will be able to be sorted by ascending or descending order. The “Presence” column will consist of a drop-down menu for each student with labels, “Present”, “Absent”, and “Missing”. This information will be saved to the “Event Roster” table in the Supabase database including the date submitted and an updated status.

On click of the “Teacher Events” button, it will bring you to a calendar implementation in which the teachers can click on any day and view details of any event past or present. The user will be able to click the box to view the information from the event. On click, a module will open where the user can view their class roster that was submitted during that event. At the top of the module will be a title for the event, a count of submissions showing if they had submitted a report from that event, a show more button where the user can view information about the event but not edit it, and a table of “Class”, “Teacher”, and an “Open” button. On click of the open button, the user will be redirected to the submitted roster for the event. The “Show More” button will open a module for the user with the event name, time of the event, and date of the event. For the “Events” button in the admin menu, the page will also show a calendar implementation just as the teachers. When the user clicks a date in the calendar implementation, a module will pop up with the name “Classes”. In this module will be an event name, a “Show More” button, a count of submitted rosters, a table with “Class ID”, “Class Name”, and “Teacher”, and an “Open” button for the submitted rosters that will take the user to a new page. All columns on the table can be sorted by ascending or descending. On click of the “Show More” button, a new module will pop up for the user that has the “Event Name”, the “Time”, and the “Date” of a new event. All fields in this box are editable. On click of the “Open” button on the “Events” page a new page would open. This page will have a list of teachers that is clickable and a search bar. When a teacher is clicked, the user will be taken to a page that shows the report that was submitted for that date. This information for upcoming and scheduled events will be saved in the Supabase table for “Events”. The “Contact Info” page will only have the name of the principal(s) as well as assistant principal(s) and their corresponding email and phone number, and rosters that have been submitted for an event are saved in the “Event Roster” table.

The Classes page is only able to be accessed by administration. This page is where administration can view classes as well as add and edit classes. On the Classes page there is a search bar, an “Add Class” button, a table consisting of “Class ID”, “Class Name”, and “Teacher”, and an “Edit” button for each entry in the table. All columns in the table can be sorted by ascending or descending. On click of the “Add Class” button, a modal will pop up for the user to add a “Class ID”, “Class Name”, and “Teacher”. All fields must be completed before submission. The user can also edit classes. If the user clicks the “Edit” button, a modal will pop up with a table with “Class Name”, “Teacher”, “Student ID”, “Last Name”, and “First Name”. All columns can be sorted by ascending or descending. There is an “Add Row” button, an “Add Teacher” button, and a “Submit” button. The table will hold all information as the roster with all students in the class. This also includes the class name and teacher though. This information will be saved in the “Students” and “Classes” tables. On click of the “Add Row” button, a new empty row will be added to the bottom of the row for new students to be added. On click of the “Add Teacher” a modal will pop up with an “Email” label and box, a “Name” label and box, and a “Class ID” label and box. All information is required in these boxes. The email must have an “@” symbol and the name must be at least two letters.

The “Users” is a page that is specifically for admins and super admins. In the admin panel there will be a search bar, a table for “Email”, “Last Name”, and “First Name”. All three columns can be sorted ascending or descending. There is an “Add User” button at the bottom. The table will hold information about users on the website which are teachers and admin for that school. When the “Edit” button is clicked, a modal is opened with an “Email” label and box, “Last Name” label and box, “First Name” label and box, and a drop-down menu for “School”. When Admins are adding a user to the table they must submit a valid email, a last name, and a first name. There is a check box as well that when checked, the user will be set the permissions for admin and that will be saved to the “Users” table.