Emergency Class Manager

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Outline

- Technologies
- Design
- Future Work

Emergency Class Manager

- Purpose
  - Make the process of marking students' presence in class during emergency situations or drills in Elementary Schools
- Problems Solved
  - CMCSS students are checked in class manually by teachers through a spreadsheet
    - Higher chance for errors
  - Accessible by smartphone through a web browser if teachers do not have their laptop
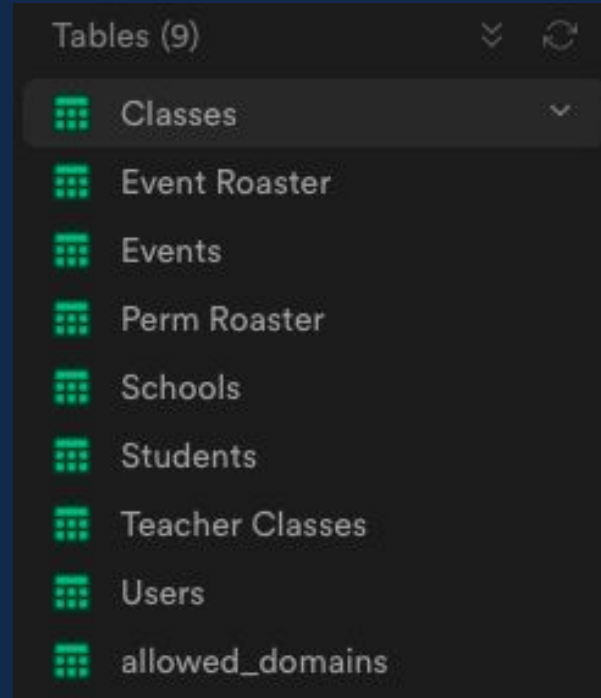
Technologies

- VSCode
- Supabase
- Vue3
- Vuetify

Database Design

- Methods
    - loadRows
    - showInfo
    - showModal Tables
    - Classes
    - Event Roster
    - Events
    - Perm Roster
    - Schools
    - Students
    - Teacher Classes
    - Users
    - allowed_domains

Tables (9)

- Classes
- Event Roaster
- Events
- Perm Roaster
- Schools
- Students
- Teacher Classes
- Users
- allowed_domains

Design

- Components
  - Confirmation.vue
  - EditClasses.vue
  - EditTeachers.vue
  - Layouts
  - AppBar.vue
  - Default.vue

- Views
  - Base Pages
    - Contact.vue
    - SignIn.vue
    - Home.vue
  - In Pages
    - Dashboard
    - Account.vue
    - Roster.vue
    - TeacherEvents.vue
    - Users.vue
    - Classes.vue
    - Events.vue
    - AddStudents.vue
    - TeachContact.vue

Contact, Sign In, and Home

- Contact
  - Contact information for Katie, Tanya, and Marcus
  - Able to send emails
- Sign In
  - Sign into the website
- Home Page
  - Shows information about the website

Welcome to Emergency Class Manager

Emergency Class Manager is a powerful website used to allow teachers and administration to efficiently manage students during drills or emergency situations, stay organized, and keep everyone safe.

Emergency Ready, Student-Focused

SIGN IN/REGISTER

Dashboard, Account, Roster, TeacherEvents, and TeachContact

- Available to everyone
- Dashboard
  - Home page showing events for today
- Account
  - All information on signed in account
- Roster
  - A place for teachers to submit reports on their classes during an event
- TeacherEvents
  - A calendar to show all events
- TeachContact
  - Contact info for all administration in the user's school
  - Able to send emails

Dashboard

- Methods
  - loadRows
  - showInfo
  - showModal

Welcome to your Dashboard, Katie!

Upcoming events:

Today's Events
Test

Items per page: 5 ▾   1-1 of 1

Account

- Methods
  - fetchUserData
  - toggleEditing
  - handleInput
  - saveChanges

My Account

Email
hoskinskatie1@gmail.com

School
Rossview Elementary

First Name
Katie

Last Name
Hoskins

Phone Number
9319803467

Emergency Contact Information
Mom

SAVE

Roster

- Methods
  - fetchUserData
  - updateStudentInfo
  - addStudent
  - loadRows
  - searchRows

TeacherEvents

- Methods
  - handleEventClick
  - fetchUserData

TeachContact

- Methods
  - openEmail
  - fetchUserData

Users, Classes, Events, and AddStudents

- Available to admin only
- Users
  - Shows and edit users
- Classes
  - Shows and edits classes
  - Add students to classes
  - Add teachers to classes
- Events
  - Create events
  - Shows calendar
- AddStudents
  - Add and delete students from the database

Users

- Methods
  - getSuperAdmin
  - loadRows
  - searchRows
  - schoolSearch
  - editRow
  - updateSchool
  - submit

userEmail	First Name	Last Name	School	admin	Edit
marcus.g.stange@gmail.com	Marcus	Stange	Barkers Mill Elementary	☑	EDIT
hoskinskatie1@gmail.com	Katie	Hoskins	Rossview Elementary	☑	EDIT
toysland.pw@gmail.com			Not Assigned	☐	EDIT
mstange@my.apsu.edu	User Marcus	Stange	Not Assigned	☐	EDIT

Search Here

Items per page: 5 ▾   1-4 of 4

Classes

- Methods
  - loadRows
  - searchRows
  - editRow
  - addRow
  - refresh

Events

- Methods
    - handleEventClick
    - addEvent
    - fetchUserData
    - insertData
    - deleteEvent
    - cancelDelete
    - openConfirmDeleteDialog

Event Calendar

Event Title

Event Date and Time: mm/dd/yyyy --:-- --

Event Description

ADD EVENT

December 2023

today

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23

AddStudents

- Methods
    - addStudent
    - deleteStudent
    - fetchUserData
    - updateData
    - confirmDelete
    - cancelDelete

Deployment

- Download Repo
  - https://github.com/Toys0125/Emergency-Class-Manager
  - npm install
  - npm run dev
- Server
  - Any website hosting provider or your own by running 'npm run build'
  - Builds a static website
- Database
  - Change supabaseUrl and supabaseAnonKey
  - Create the tables from the database

Known Bugs

Unable to add a student with the same id_number

Able to add a student to a class even if they are not assigned to that school

Able to view all classes for any school

Future Work

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- Archives page
- More school implementation
- Chat implementation
- Automatic roster submission
- Better calendar implementation

Live Demo