Emergency Class Manager: Requirements Document

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### **Appendix 9**

### Project Name

Our website is for schools or school districts that want to use a simple website instead of a basic spreadsheet to keep track of students in emergencies. It allows for teachers and administrators to manage their class which is why we came up with the name **Emergency Class Manager**.

### Team Member Names

See **Figure 1** in the appendix for a detailed description.

### Abstract

The Emergency Class Manager project will allow teachers to have a centralized space to keep track of their students in emergency situations. Teachers will have the ability to access the website on mobile or on a computer. They will have a place to check off students as present, missing, or absent and then submit that information to the administration. This will be a more streamlined process for teachers as well as administrators to keep track of students. The reports will be sent to the administrator at the end of the drill or emergency. When the need arises, this will be a much simpler and more effective way of accounting for students.

### Tools and Technologies

See **Figure 2** in the appendix for a detailed description.

### Requirements List

### Registration Form

* 1. The registration form will be one component with the following:
     1. A hamburger-style pop-in with a clickable button for Sign-in and Registration.
     2. A clickable box for registering with OAuth
     3. A label for First Name
     4. A box for First Name
        1. The box will accept a first name of at least two letters
           1. On invalid input, the user will be notified that there must be at least two letters in the first name
        2. The box will only accept characters
           1. On invalid input, the user will be notified that there may only be characters used in the first name
        3. The box will be marked as required with an \*
     5. A label for Last Name
     6. A box for Last Name
        1. The box will accept a last name of at least two letters
           1. On invalid input, the user will be notified that there must be at least two letters in the last name
        2. The box will only accept characters
           1. On invalid input, the user will be notified that there may only be characters used in the last name
        3. The box will be marked as required using \*
     7. A label for an email address
     8. An input box for an email address
        1. The box will accept a valid email address through the school system
           1. Emails must contain an @ symbol
           2. The email must end in the domain cmcss.net
           3. The email will be verified by the server
        2. The box will be marked as required using \*
     9. A label for Password
     10. An input box for Password
         1. The box will only accept valid passwords
            1. A password must be at least 8 characters long
            2. A password must contain at least one capital letter
            3. A password must contain at least one lowercase letter
            4. A password must contain at least one special character
         2. The user input will be hidden using \*
         3. The box will be marked as required using \*
     11. A label for Verify Password
     12. An input box for Verify Password
         1. The user input must be the same as the input in the Password box
            1. If the input is not the same, the user will be prompted with a message in a display box

The message will say “Passwords do not match”

* + - * 1. If the input is the same, no message will be displayed
      1. The box will only accept valid passwords
         1. A password must be at least 8 characters long
         2. A password must contain at least one capital letter
         3. A password must contain at least one lowercase letter
         4. A password must contain at least one number
         5. A password must contain at least one special character
      2. The user input will be hidden using \*
    1. A button labeled “Create Account”
       1. On click, the email is checked to make sure an account with that email has not already been created
          1. If there is an existing account with that email, a message will be shown in a display box

The message will say “Email already taken”

* + - * 1. If there is no existing account, no message will be displayed
      1. If any of the fields are left empty, a dialog box will show containing the message, “Please fill out the required fields”
      2. If all required fields are filled out, no message will be output
         1. All information will be submitted to the back-end servers
         2. The user will be logged into the account
      3. The application will get sent to the home page