**CWEB 280 Final Project Proposal**

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**Project Description:**

For the final project, we are implementing all the requirements necessary to achieve the goal of this project. We will be extending our previous project 3 to fulfil all the requirements with this project, related to our Weather Dashboard. The features include authentication, validation, Vue.js, MongoDB, props/emits, and an interactive user interface. Using authentication, when the user is in the Vue, there will be a feature that you will be able to click on and it will take you to our login page. From there, the user will either be able to login if they are already registered, then from there they would be added to the MongoDB, in the specific entity labelled “users.” The authentication will be based on the type of access level you have to see if you would be authorized to use some of the CRUD functionality we already have displayed, throughout the application in the main page, through the comments page or being redirected back to vue.js page when you are authenticated. You must have the level of write or admin access strictly to use the create, update, delete features of the CRUD functionality. To have read, then the access level will be read pertaining to what you choose when registering for our webpage. We aim to create an intuitive interface that adapts dynamically using Vue.js props and emits to manage state and communication between components. We will implement a Vue.js component with CRUD operations as well as we have CRUD operations within the backend of the project when logging into our webpage, there is a comment page feature that you can create, update, delete comments based on if you have the required access level of write or admin. The Vue.js component with CRUD operation is based on listing all the users that are already in the database, with that information you will be able to read, update, and delete them, with the register page in the backend being the part of the login page you can create a new user from in the page. Through the description of this project, we hope to provide an engaging and well thought out project for the users.

**Class Diagrams:** 