Writeup #4

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During our implementation of our website, we grew to appreciate the ease of which Firebase allowed us to create and handle users' information. Although we sacrifice some control, for our small website it allowed us to create and manage users with ease without sacrificing user experience. We chose to implement our sign in functions using Vanilla JS, because we found it to be suitable for our basic website needs and did not want to take the unnecessary performance hit by importing jQuery.

As our website started getting more and more pages, even with a simple website like ours, it became apparent that well-formed, valid HTML would make our job as developers a lot simpler. Also separation of scripts and good coding practices helped us maintain and edit our code amongst group members. We found that having the HTML be well formed made our job when dealing with CSS and Javascript much easier, as the DOM would be edited predictably.

Our website abides by the project guidelines of CRUD (Create, Read, Update, and Delete), by having a list of presidents every user manages. Essentially the creation is the list, read would be the action querying Firebase to view the list of favorites, Update would be additions to the list, and deletion would be removal from this favorite list. As a side, our website also supports editing of password.

Along with implementing users, we found that managing users presented challenges that we didn't foresee dealing with. For example, cases where users signed out on one page but had an active session still in progress. Additionally, we realized we had to constantly check at every page load if a user was logged in and had the correct credentials. We were unsure if this

was the optimal way to go about this, but after login, any action which required interaction

with the database.