**Writeup For Project 3**

1. What were some challenges you faced while making this app?
   1. HTML/CSS
      1. Designing the web app to be visually appealing was a challenge. Unlike previous projects where we were more concerned about just positioning items. In this project, we were trying to see if we could use tables instead of lists to show the passwords to the user. We did not manage to implement tables but this is something we would definitely explore even after submission.
   2. React State handling and the communication between frontend and backend
      1. We found this challenging because of the “live edits” of the passwords we could make. We found this confusing how React would be able to understand which part of the web page we were trying to edit and then send this information back to the back end to make the update and have react re-render. This is just one example we feel the challenge was really following the whole flow of BOTH the data and the logic.
      2. The whole concept of the APIs and how we need to install so many things was really mind boggling. This is still a work in progress. There were so many things that Hunter installed that it would take some time to understand and be familiar with this.
2. Given more time, what additional features, functional or design changes would you make?
   1. The extra credit that Hunter suggested we do would be a start where we could add more.
   2. We could of course work on making the app more visually appealing. We feel like CSS is really the name of the game. The basics of the mechanics are working but of course it would be nice if we could for example not just save URLs but be able to save like cryto account passwords, or like vault combinations or whatever a person would like to save and have these options.
3. What assumptions did you make while working on this assignment?
   1. We just assumed it was going to be a challenging task and it really was. Initially we did assume we could just hash this out in maybe a week or 2 but it required a lot of learning along the way which made it very difficult and required a lot of willpower to actually persevere and finish up the course. Overall, it really was a fun project and something that is actually usable for us.
4. How long did this assignment take to complete?
   1. This assignment took us quite some time, we would say maybe 30 hours and even then, we did not manage to complete it as much as we would have liked. For example, we did not attempt a lot of the extra credit where we could have at least tried some. However, we thoroughly enjoyed the process of working on this project. It was very eye opening to learn how there was so much going on in the background when we simply just log in and log out of websites.
   2. Hunter’s lectures were extremely helpful in that he basically walked us through a lot of the core mechanics but it was up to us to make it more appealing like an actual website. We used a lot of resources, watching a lot of videos and consulting chatgpt.