

BlockHealth Handoff Documentation

New Project Owner: Frank Martinez, Last Mile Engineering

Handoff Timeline:

- Product walkthrough demo May 6, 2022
- Final handoff May 27, 2022

Project Documentation

The purpose of this Capstone project is to explore and implement solutions that allow users to leverage the blockchain to represent earned credentials. As it exists now, there are few reliable solutions for people earning credentials to represent their skills in a meaningful and trustworthy manner of which they have autonomous ownership. Our goal was to use the security afforded by blockchain to create unique credentials with reliable provenance that employers could trust, and users would own.

Our research encompassed multiple distinct phases that allowed us to continually ideate towards our solution. Initially, we explored existing solutions to understand their shortcomings and what things they were successful at. We also explored the fundamentals of the blockchain (a previously unfamiliar topic to us all) to understand the parameters within which we would be working. We conducted user research to understand our stakeholders, learning key information about their comfortability with tech, what they liked or disliked about our proposed solution and how this product would influence their current situation. From here, we continued to develop our product, continually researching blockchain and existing resources to refine our prototypes. After making significant changes based on our previous research, we conducted a second period of user testing to ensure that our direction and solution were in line with user expectations and wants. The above research is reflected in the decisions we made and was invaluable to shaping our final product.

Design and UX direction were frequently in the spotlight of our team meetings. Our team lacked a design expert, and we were made aware of the impact of this during our first round of user testing. Rebounding from some important constructive criticism, we refocused some of our technical energy on design and UX. These two items were not our primary objective because we wanted to focus on the highly technical blockchain elements of our project, yet we tried to create a user experience that was not inhibitive to understanding our product.

On the code side of the project, there was much to be learned. We continually researched to understand the connection between traditional Web2 sites and the Web3 backend that we were striving to put in place. We were successful in this effort, but there are areas to improve upon in future versions of this project. The most evident area needing further development lies in how the functionality is created. Certain areas of our final product needed to be hard coded to function properly on our end, preventing new users from successfully using the site. We succeeded in creating a site that accomplished our overarching goals, but it must be iterated upon to be usable by a larger audience.

Notices:

A notice has been posted on our project home page and stakeholders have been notified of our pending handoff of ownership.

Repository Transfer: We will transfer technical ownership of the final product by the May 27th final handoff date.

Github: <https://github.com/chance-landis/RuntimeError>