

**Senior Design Project
Blockheads
Credentials and Identity Manager**

1. Group information

- i. Title/Name of your project. This should be descriptive and not "My Senior Design project."

CredHub: Protecting Your Credentials

- ii. All members of your group.

Megan Steeves, Selma Samet, Kellen Mentock, and Tamara Linse

2. Develop Your Team "Brand" [name/tagline] & Bio (This will also be your Group Name.)

**Blockheads
Tagline: You've Got Cred**

BlockHeads is creating the next-gen identity and credentials manager CredHub. Our team includes programmers Selma Samet, Megan Steeves, Kellen Mentock, and Tamara Linse of the University of Wyoming.

**Our project
CredHub: Protecting Your Credentials
Tagline: You've Got Cred**

3. Project Summary

- i. Summary of the project

CredHub is an identity and credentials management website and service that gives users full control over their personal data and credentials. It relies on either an API or physical confirmation to verify each ID or credential with the issuing organization. It uses blockchain smart contracts and data storage for the user to establish and maintain their credentials and to provide secure credentials to outside parties.

- ii. What problem the project aims to solve or what niche it intends to fill. E.g., why would someone who to use your project.

The problem: We as a society are transitioning our lives to the digital world, but our IDs and credentials are still in paper form. CredHub aims to solve this problem.

Why would someone want to use CredHub:

- **Accessibility and convenience**
- **Security and privacy of sensitive data**
- **Organized personal information that is easy to track thanks to the blockchain technology**
- **Reduction in the amount of paperwork needed to get a task done**
- **One-stop shop for all verification needs and simplification of daily tasks, which saves time and energy**
- **Quicker processing**

- iii. Major components used by the of the project and any resources you plan to use for the project.

Web server (for now)

4. What do you specifically plan to do. A very rough project planning and timeline. Remembering you only have until mid-April to complete this project.

January: Develop each of our portions, divide work, and start building the website.

February: Continue development process as well as reach out to resources and mentors for assistance. Making changes according to the feedback provided.

March: Finalize our project, bring it all together, and start vigorous testing.

First two weeks of April: Bug fixes, finalize presentation, and put everything together.