WHO:

Camilla Lambrocco, Adrian Wong, Andrew Berumen, Conor Walsh, John Anderson

TITLE:

BuFfBoX

DESCRIPTION:

In today's business, tech, and educational environment, file sharing and collaboration are integral to any team's success. With this in mind, our team proposes to implement a system that allows CU students to share their work with each other more easily. Our idea is to use a Raspberry Pi to configure a NAS (Network Attached Storage), and then create a server (similar to dropbox) in which you can upload and share files with others. To achieve this, the server will configure permissions and login settings allowing the creation of the BuffBox file hosting service, as well as a website to enable access online. For hardware expansions, a small screen will be attached to monitor and interface with the Raspberry Pi board, with toggleable features and hardware health information. The server will also accept multiple hard drives using a RAID configuration.

VISION STATEMENT:

To build a NAS system enabling easy, cost effective file sharing for University of Colorado students.

MOTIVATION:

The future is about collaboration. Allowing students to access their files remotely from any device can greatly increase productivity in any department. Creating a CU specific file hosting server would allow for better collaboration with students in our university. Moreover, a smart interface, represented by the small screen, would give better accessibility to the NAS settings if there is a need of intervention on board.

RISKS:

- Difficulty in implementation and manipulation of data.
- Potential loss or corruption of data.
- Difficulty in controlling multiple hard drives.
- Time constraints.
- Security issues.

VCS:

For version control we plan on using Git and GitHub.

VCS LINK:

https://github.com/cala21/CSCI-3308.git