

## CAD Version-Control Application

The purpose of this desktop application is to allow users to save Computer-Aided-Design files in the cloud, control the structure of the file storage, and to share the files with multiple people in a way that allows collaboration between team members on large engineering design projects.

Collaboration between team members requires several functions. The current functions are as follows:

1. Create a Project Folder in the cloud
  - a. Enter a unique name for your new project
2. Set the Working Directory
  - a. Control which cloud project you would like to work from
3. Add a user to the Project
  - a. This will grant a user with the specified email address write access to the project. In the future, it will send a link with the project name to the email of the new user.
4. Create a folder in the project folder
  - a. You can create a folder within a project by entering the folder name into the field and clicking "Create Folder". You can create a new folder within a folder by typing "base-folder-name/new-folder-name".
5. Sync a folder
  - a. This will update the cloud storage or local storage with the contents of the folder that has been updated most recently
6. Upload a file to a folder
  - a. Choose a file you would like to upload and enter the folder you would like to upload to in the working directory
7. Download a previous version of a file
  - a. This will update the local storage with the contents of the file with the given revision number.
8. Project Lock
  - a. Lock the contents of the project from updates from any added user

## 9. Project Unlock

- a. Unlock the contents of the working project for updates from any user

If you have any questions, feel free to email me at [curran@clayheartengineering.com](mailto:curran@clayheartengineering.com) or ask a question in the [slack](#) channel. I will try to respond as soon as possible. Any feedback on the functionality or design of the application is also greatly appreciated. The application is currently in beta testing, so please do not store any valuable or irreplaceable files in the cloud storage. It is currently unknown how long the application will be live.