

*7th February 2025*  
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*CART 263*

## **FINAL PROJECT PROPOSAL - Prototype name: File Archive**

### **Scope:**

To create an interactive website using HTML, CSS, and Javascript libraries/tools such as React and Three.js. The website will hold information (TBD what the topic will be) in a modeled file cabinet that can be explored, opened and accessed in fully real time 3D space.

### **Details:**

- The cabinet will be modeled in Blender and will contain drawers full of files and information that can be accessed by clicking on the drawer and perusing its contents.
- The core demonstration at play is a use of Javascript and HTML to create a data storage website that is interactive and responsive, making the browsing of the site fun and engaging as well as convenient and well-catered to playful user experience
- The design is meant to be modular, whereas any model and animation can be used with this method to store and display information on a website in an interactive way using Three.js and React tools.
- It also shows an apt use of both Jack and Aidan's specialties and our learning experiences with HTML and coding. Aidan's 3D experience and Jack's artistic vision can help us both in creating a project and learning more about our tools and how to use them effectively in the process.

### **Challenges:**

- Creating an interactive model that plays different animations based on the current state of the website and having those animations play as real time reactions will be difficult.
- Integrating responsive 3D design (highlighting elements, changing cursors, interactive 3D animations) will be a challenge, as well as seamlessly incorporating flat 2D content with 3D interaction. We're looking to find a playful balance that blends the two.
- The project is very asset-intensive, requiring not only the art and modeling to make the site have a cohesive style and vision, but also the content that the site will contain will also need to be fairly substantial in order for it to require such a robust and stylized storage system. This is why we will begin to brainstorm what the actual content of the site will be immediately.

## Prototypes/Concepts

