

[Meeting Link](#)

[Fusion 360 API](#)

Time: 2/6/2024 2:30-3:30pm

Actions Items/Questions from capstone team:

- In the presentation, it was mentioned that there are currently 10+ designs, and he also uses the term “configuration” for the signs. Are “design” and “configuration” being used interchangeably or does each design have different configurations?
 - Great Question. Some designs have one configuration, others have multiple.
 - The trend is for every design to eventually have multiple configurations.
- Are the pictures of the models provided or just the settings for each configuration?
 - Let’s discuss this together in more detail...
 - Choose colors
 - Focus on good UX design, less clunky
 - Image database
 - Think directional signage where you can choose textures for different components
 - Textures are discrete, colors more continuous, fonts, but not TOO many options
 - BONUS FEATURE: upload and position logo file
 - Thinking pngs of a certain size for db
- Should the images be saved somewhere, such as on the salesman’s account?
 - Yes, a database for users, accounts and images
 - One user, many accounts
 - One account, many images (potentially)
- Is there a database or place with a list of the salesmen?
 - No, it will need to grow organically
 - New users will need to add themselves, accounts and images
- What file formats are available for the design, and what does the database look like
 - Let’s discuss this together in more detail...
 - Different image formats
 - PNGs are my first thought
 - Find way to dynamically change colors for each component, not one image per color
 - **FUSION 360 API????**
- What software and hardware will need to work with this app
 - Let’s discuss
 - Mobile devices— apple app development might need more research
 - Client would prefer apple app
- Elaborate on previously mentioned scalability issues with growing number of designs
 - Looking for a way for customers to gain quick exposure to a variety of designs and design configurations. As the number of designs and configurations grows, I

don't want the exposure to be more difficult or take longer. Needs to be easy to expand the catalog. For example... a PDF or paper catalog would be the worst solution...

- Explore ways to improve iterative proofing process and better support salesmen
 - Allow customers to drill down to their desired custom display:
 - Choose Design
 - Choose Design Configuration
 - Add Logo
 - Choose Colors
 - Choose Fonts
- Narrow down top deliverables for this project
 1. Develop app deployable to mobile phones, shooting for apple devices
 2. Able to add users
 3. Able to add accounts to users salespeople and clients
 4. Able to add images to accounts
 5. Enables users to overlay design images over camera photo
 6. Enables users to change art elements of design images
 7. Enables users to save/send final overlaid photos

User can run through configurations for design and change things over an image, like a drag 'n' drop?

Peg board scaling

Not manipulating a 3D model, take a 2D model and perform rotations, scaling

Product image determines: 2 rotations

App determines: 1 rotation + scale

User determines: 2 positions

Make sure the app can be picked up on by future people

Team's action items:

1. Look into APIs for rendering
2. Dynamic database design
3. Apple apps):

Zach's ToDo:

1. Link to model file from Fusion360
2. Images of pegboard for testing
3. Process flow / variables involved in proofing
4. Line drawing files of design elements