Cart 253 Final Project Proposal
Holiday Card Simulator

Abstract

As Christmas rolls around there is nothing better than a holiday card with your loved ones. Unfortunately due to covid it might not be possible to be with your loved ones this year leaving you photoless...until now. Holiday Card Simulator allows you to upload you and your friends or families faces into an endearing holiday card all from the comfort of your home. Holiday Card Simulator is meant to bring your loved ones closer and put a smile on your face during these tough times.

Minimum Program

User gets greeted with a title screen to welcome them to the program. They press any key to start. Get users to upload files using **input accept** from html. Bug #1: where do these photos go after upload and how do I connect them to JavaScript, I cannot use an If Statement because I want the users to upload multiple so hopefully an If Statement inside of a loop will work. The program will then use an **ellipse mask** to only include the face of the person in the program. Bug #2: while using masking ImageMode: Center is most common, however I cannot assume the user's face will be in the center of the photo. So I will need to find a way to get the user to choose what part of the image is masked. Preferably with a pop up window but from there on I am lost, will need to do more research independently and with Sharon or Pippin. After the image is masked properly, a simple drag and drop function must be implemented for the user to place the photos correctly. Bug #3: I know that in css you can adjust the order of images using z-index so hopefully the I can connect the users uploaded photos to css.
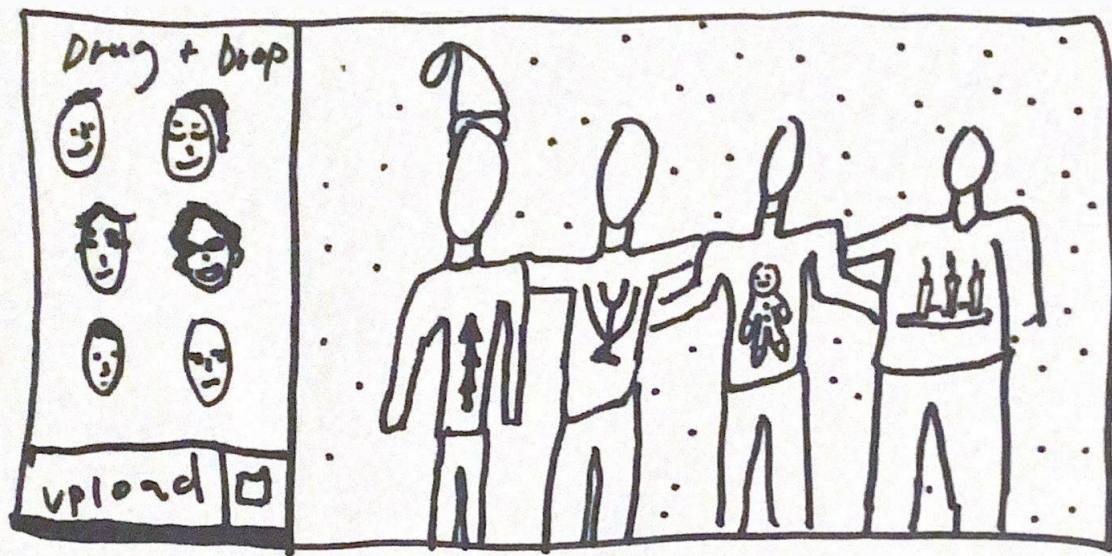
Complexity To Add

Changing the photo, having multiple photos for different holiday celebrations, different amounts of people, a range in skin tone, until this step the default photo will be as neutral as possible. The changing of the background will be chosen in the title state of the program.

Save the image, a button that will screenshot the entire program and download it to their computer.

Webcam element, user will be able to take a photo via their webcam to add into the program, this will be the last step as I do not think this is very necessary. This option will be in the ending state of the program when the user clicks 'done'.

https://cronuthunter.github.io/Cart253/prototype/
https://github.com/cronuthunter/Cart253/tree/main/prototype

Drag + drop

upload

Title

* Welcome *
to Holiday
card sim!
how many are you?

2 people | 3 people | 4 people

choose the amount of
people that will be
in the photo.

Advanced
Drag + Drog menu

face | props | text

add
props
+
text
pngs
to drag
+ drop

webcam
feature

upload | capture