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DESCRIPTION
This is a website for the fashionable but disorganized individual. Users can upload pictures of articles of clothing and the site will automatically sort those articles by type (pants, shirt, hat, etc.). The user can then save outfits, and add outfits to a calendar. It also provides the weather on the calendar to help users pick an outfit and potentially automatically generated recommendations. The website will utilize d3 in order to create a visualization of how often a user wears a certain item of clothing.
Uses: Google Cloud Vision API, Weather.com API

COMPONENT MAP
Framework:
  Bootstrap
HTML:
- frame.html
  - Base for all other templates
  - Navbar
    - Calendar
    - Closet
    - Login
    - Logout
    - Register
- login.html
  - 3 sliding images of clothes
  - Description of the website
  - Brief introduction of ourselves
  - Login tools
- signup.html
  - Form to create account
- calendar.html
  - A calendar
  - Weather of each date
  - Clothes on each date (if saved)
  - Maybe suggestion on what to wear on the day
- mycloset.html
  - All the clothes you have, separated into different categories
  - Upload section to upload images of new clothes
  - You can select top, bottom, hat, sunglasses, etc to build your custom
  - Then you can save it so that you don't have to think what to wear everyday
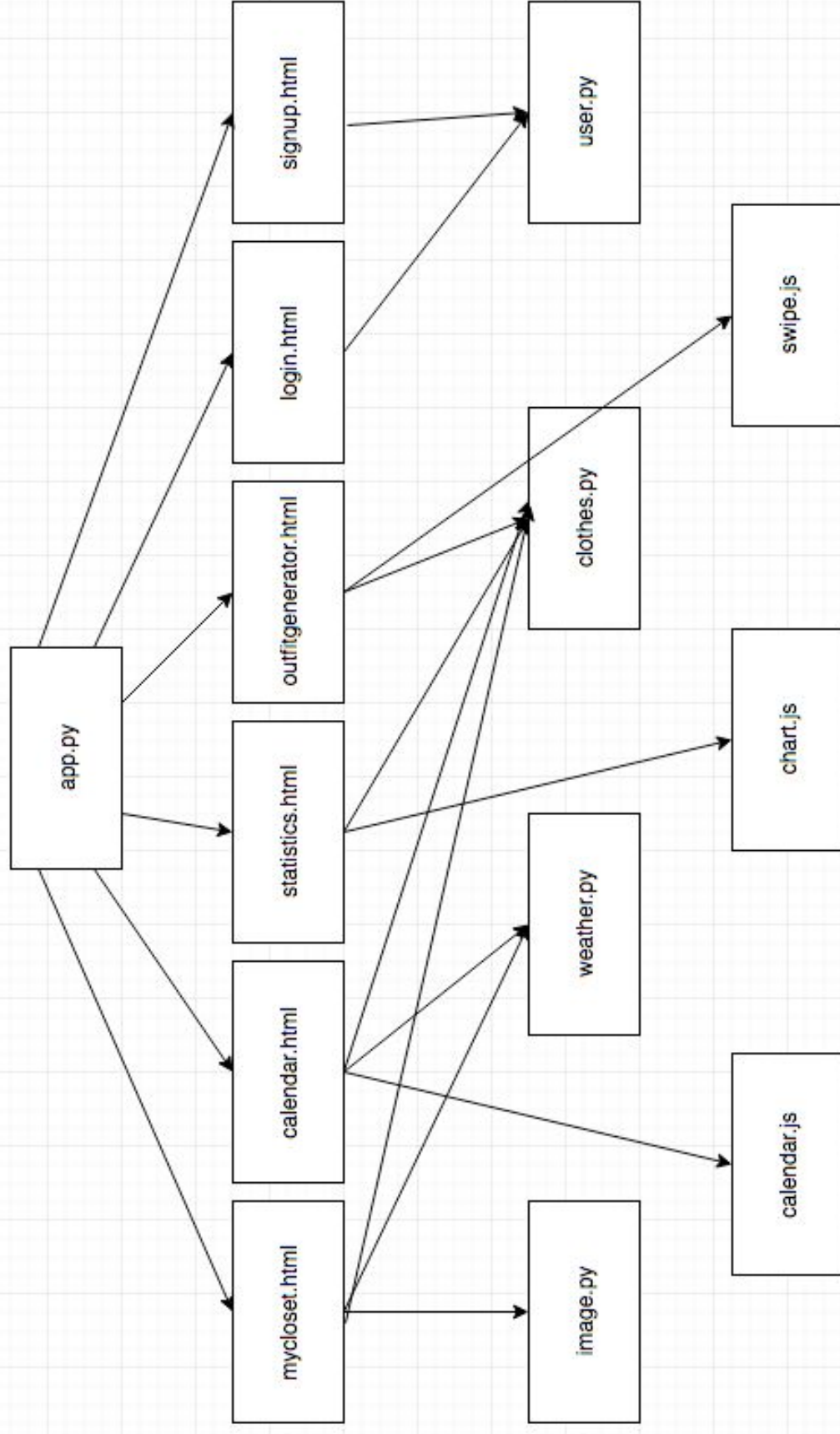- outiftgenerator.html
  - All the saved customs

- ○ You can select different custom and save it to calendar
- ● Statistics.html
  - ○ Graphs of how often user weared outfits, clothing
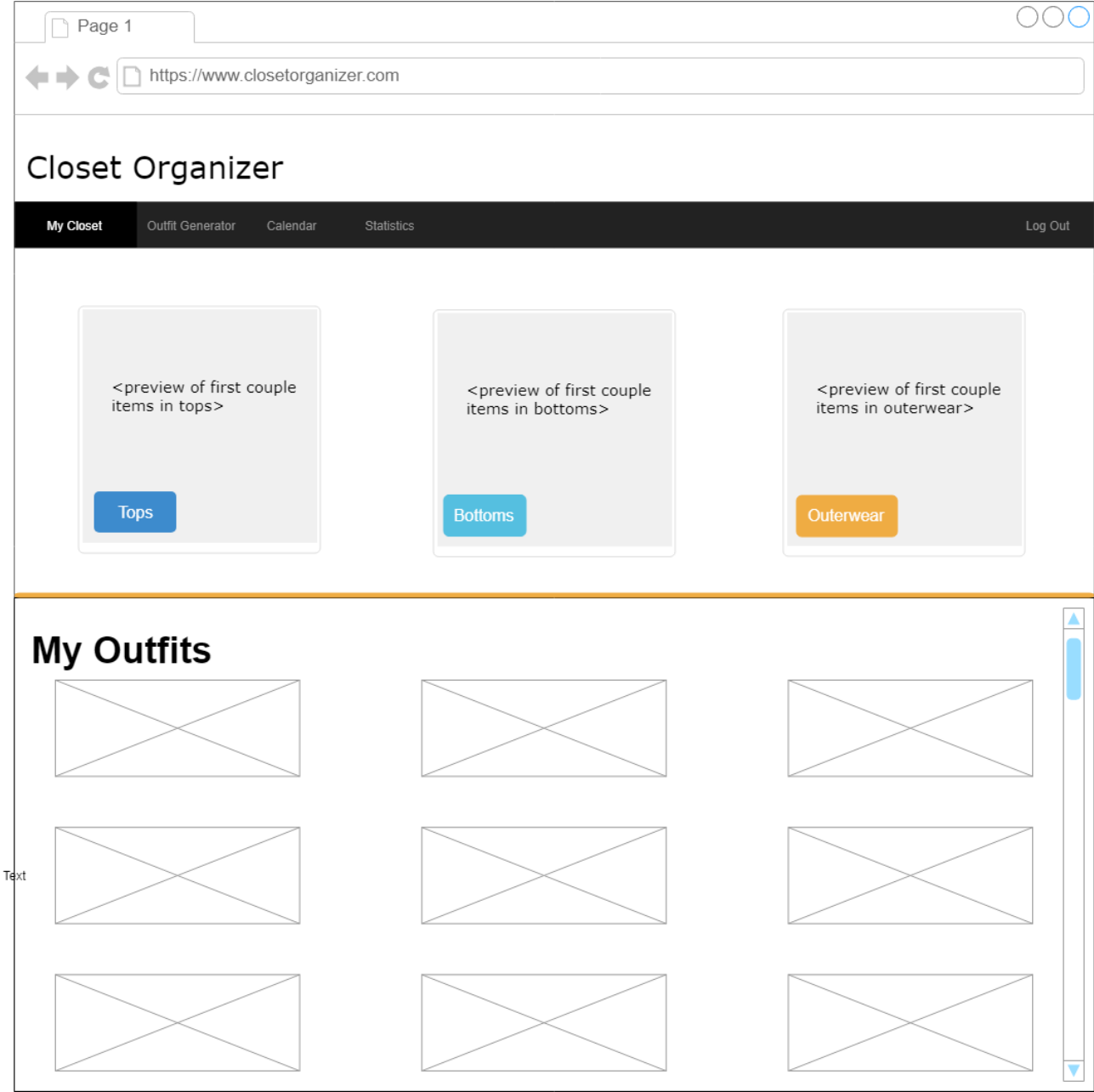
Python:
- ● App.py
  - ○ Flask app
- ● clothes.py
  - ○ Contains methods for modifying, and retrieving clothing information from databases
- ● Weather.py
  - ○ Allows for calls from Weather.com API
- ● Image.py
  - ○ Allows for calls to Google Cloud Vision API
- ● User.py
  - ○ Allows for verifying user credentials, creating new account
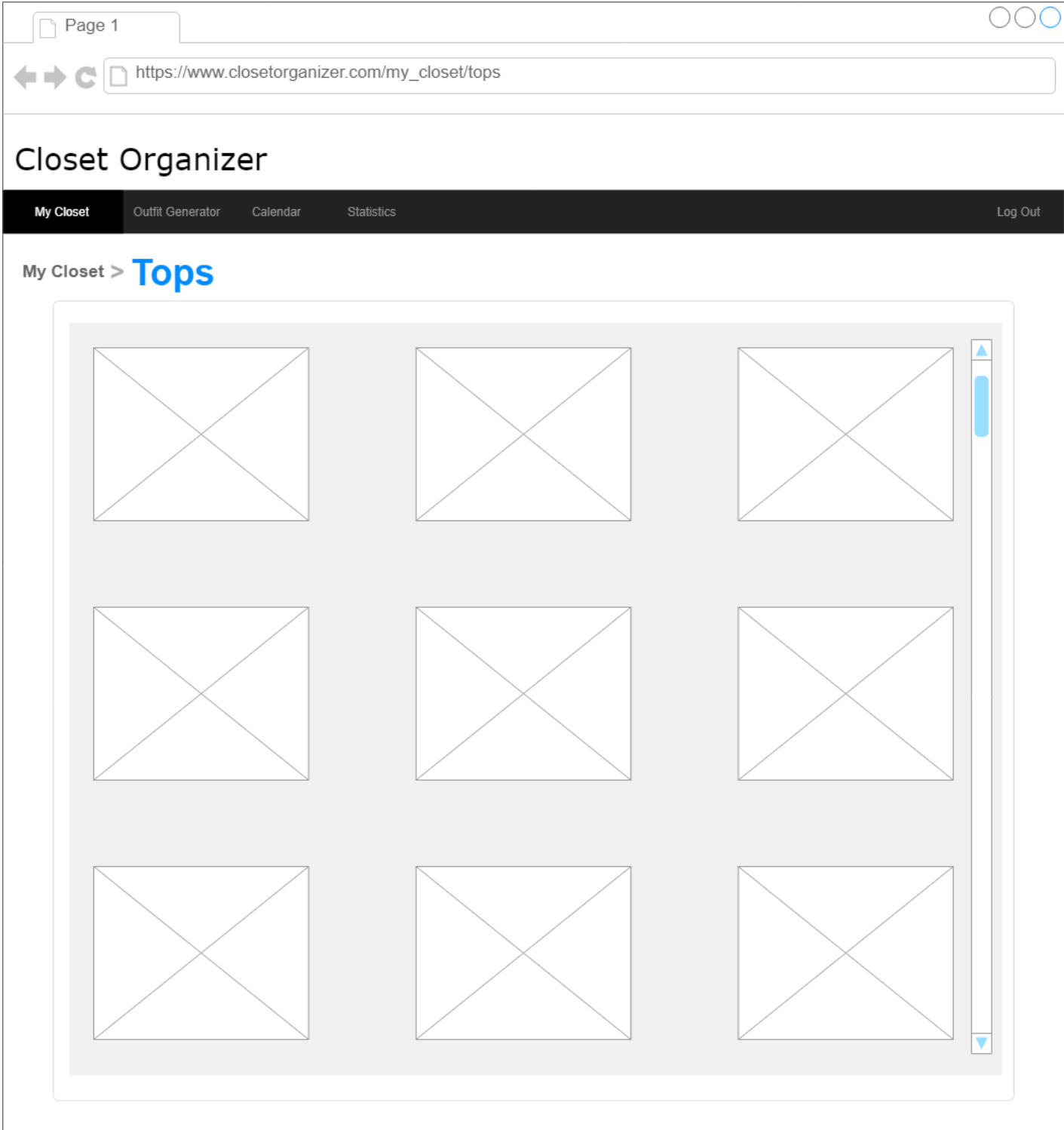
Javascript:
- ● Calendar.js
  - ○ Creates calendar
  - ○ Allows user to hover over calendar days and see which clothes were worn that day
- ● Chart.js
  - ○ Uses d3 to create charts based on user's past outfit/clothes wearing history
- ● Swipe.js
  - ○ Facilitates the selection of clothing for outfit selection in outfitgenerator.html

SITE MAP

Page 1

https://www.closetorganizer.com

Closet Organizer

My Closet   Outfit Generator   Calendar   Statistics   Log Out

<preview of first couple items in tops>

Tops

<preview of first couple items in bottoms>

Bottoms

<preview of first couple items in outerwear>

Outerwear

My Outfits

Text

Closet Organizer

My Closet   Outfit Generator   Calendar   Statistics   Log Out

My Closet > Tops

DATABASE SCHEMA

Users	
username	TEXT
password	BLOB
name	TEXT

Clothes	
username	TEXT
id	INTEGER
type	TEXT (top,bottom,outerwear,etc.)
labels	TEXT(comma separated list)
clothName	TEXT
frequency	INTEGER

Outfits	
username	TEXT
outName	TEXT
item	TEXT

Outfit History	
username	TEXT
outName	TEXT
date	TEXT

TIMELINE
May 16 - Have log in, signing up, and databases working
May 18 - Finish all templates for pages
May 21 - Users should be able to upload their clothing items and can look through them
May 23 - Users can make outfits and save them
May 25 - Adding in weather and calendar so outfits can be saved to a date
May 28 - Finishing touches added & anything missing

TASK BREAKDOWN
Project Manager: Manahal
Front End: Manahal
Database Creation: Sasha
Javascript: Sasha, Clive, Yuqi
API's: Yuqi, Sasha
D3: Clive

Routing: Yuqi