Tasks to complete:

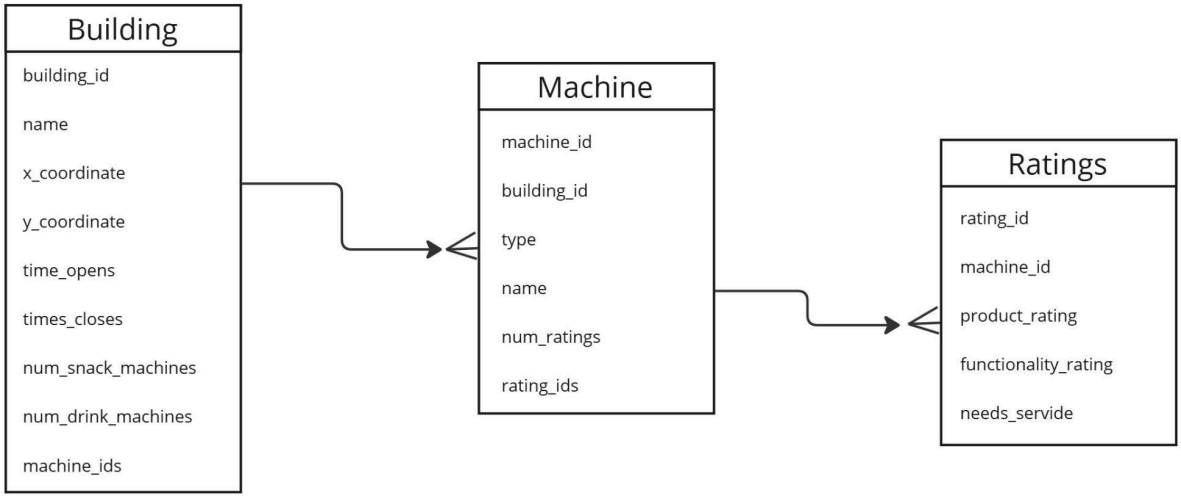
----------Necessary Features----------

Get all pictures / machine info: in progress

- Add pictures from each building to google photos database
- ***Will need someone to research the hours of operation of each of our buildings of interest (buildings with vending machines)***

Decide on database formatting: in progress

- Contains the Name, food, drink, coordinates, pictures



- Current structure follows this format
  - 1 building → many machines (or the potential for many); 1 machine → many ratings (or potential for many)
- Creating database using ~~PostgreSQL~~ MySQL
  - Learn SQL yayy!
- Decide on whether or not we want to include a description field in the database

Add all entries to the database: in progress

- Add each machine with info to database → connect with each building

Get basic website running: done

- Get logo, map, and very basic windows displaying
- Store all assets in GitHub to be accessed from anywhere

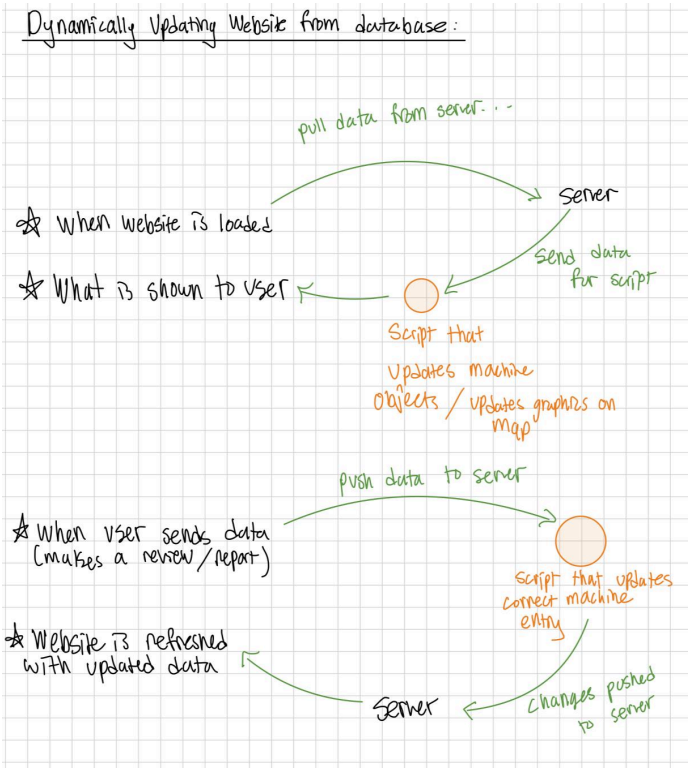
Decide on standard UI layouts for each screen: not started →(Mike)

- Develop a document that outlines the window sizes, asset sizes, image sizes etc... to be used throughout the entire website
- Test different sizes and choose the best one

Fix common UI Errors: not started →(Mike)

- Make sure all fonts, windows and images are scaled correctly
- Certain similar assets have different dimensions. (For example “food&drink” logo has dimensions of 467x234 whereas the warning variation of that logo has dimensions of 467x287 → this causes images to be stretched / squished)
- Need to develop script to properly scale all assets OR need to change images to all have same dimensions

Loop database & Update graphics on map (connecting backend and frontend): not started

- Write code to loop through the database, get info for each building, and update the graphics and info at each location on the map (probably need to write specific javascript script to do this, also need a building and machine object)
- We will need to use PHP/node.js (or another supported language) to connect the database to the frontend javascript and CSS elements
- 

Send info from website to database: not started

- Write code that takes in input for a specific machine profile, and then sends it to our database, puts the input in the correct location, and allows us to review the text and make changes (such as marking a machine as closed) on the map.

- **Sub task: Make a feature that allows us to easily look over the reports, and "approve" them: not started**
    - Allow us to scroll through the reports, and be able to click "approve", then have that update the map & database. This is a backend / internal feature only for us to use.

Machine profiles, get them working with each building: not started

- Create a machine profiles object that can be dynamically updated by looping through databases. These profiles also need to be searchable / sortable by name, ratings etc.
    - **Sub task: Auto generated description + Corresponding asset:**
        - Write an algorithm that automatically generates a description and connects it with the assets in the profile shown (for example "this machine accepts cash" would be the text associated with the green cash icon)

Search feature (search for a building and see corresponding machines): not started

- Create a search feature for users to search for a building name, and be able to scroll through machine profiles.
- Users can click a machine in the "search" window, and it will take them to the corresponding location on the map.

Develop review / ratings feature: not started

- Create a reviews feature, allow users to make comments about each vending machine
- Create a ratings system where the user can select "cookies" to rate each machine
- Make sure all reviews are being sent to server
    - **Sub task: Clean language comments: not started**
        - Develop an algorithm that prevents users from using inappropriate language in comments / automatically deletes and detects "spam" comments → maybe python script??

Develop sorting based on reviews: not started

- Allow the user in search to sort machines by rating

Get all features developed in the frontend: not started

- Move all features (if developed separately) working with UI elements

User testing: not started

- Ensure all machine info is correct
- Test if user input is getting sent to server
- Test if map is getting updated
- Test if backend changes are being shown on frontend

Develop backend editing feature: not started

- Develop an easy way for us to access reviews, machines, etc.. and be able to remove / edit them, and have the website update accordingly (this will be useful for testing)

----------Ambitious / Future Features----------

Develop nearest machine feature: not started

- Get the users location, draw a circle of a specific distance around them, and get all machines that fall in the circle of coordinates

Outsource routing directions: not started

- Use leaflet plugin to make routing directions from users current location, to a machine of their choice.

Integrate FIXX: not started

- Connect the report feature automatically with fixx to notify them when a machine is not working.

Get mobile website designed and working: not started

- Create a mobile friendly version of the website

Camera function for report: not started

- Allow users to take a picture of the broken vending machine and include it in the report feature.