

Goal:

- Use React Leaflet and Leaflet draw library to draw polygons and markers
- <https://leaflet.github.io/Leaflet.draw/docs/examples/full.html>

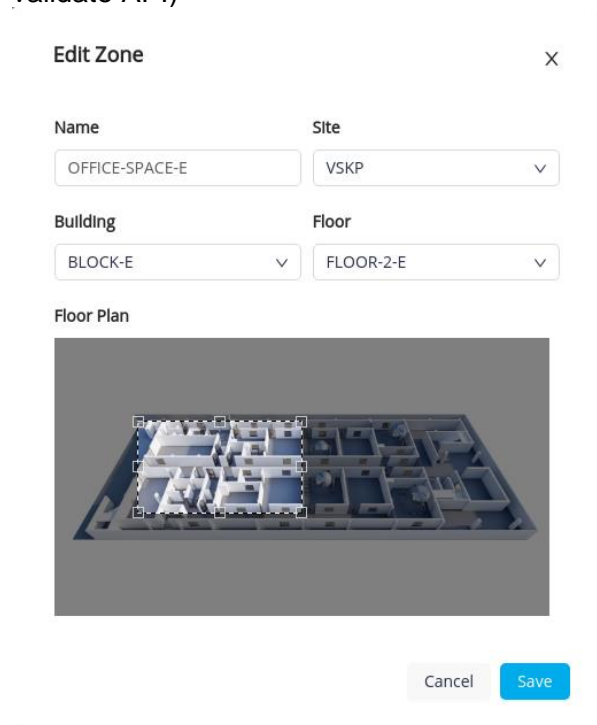
Source Files:

- Attached project
- Adobe XD design files
- Postman collection for APIs

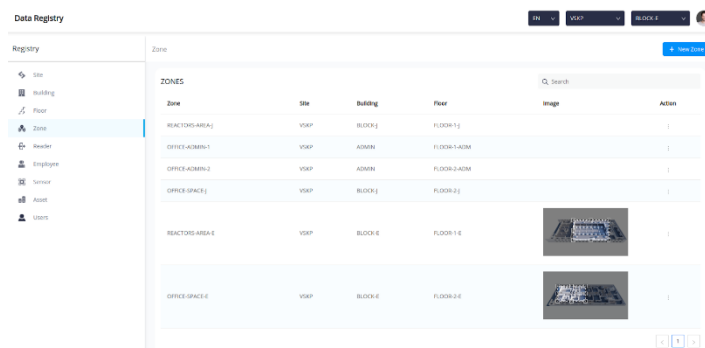
Tasks:

1. Draw polygons and send coordinates to API endpoint

- a. Use Data Registry -> Zones to draw polygons and set coordinates (TODO: validate API)



- b. Setting up default bounds, center, zoom of floor plan image
- c. Zoom in /zoom out feature to accurately draw polygon same as in above URL from leaflet draw
- d. Validate to see if set coordinates reflect accordingly here.



2. Same as above task, draw polygons for buildings.

- a. Use Data Registry -> Buildings

Edit Building

×

Name

BLOCK-E

Site

VSKP

▼

Latitude


Latitude

Longitude

Longitude

Image

Upload Image




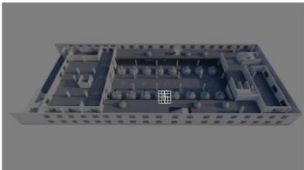
Cancel

Save

- b. Here under the image, we need to show Site Plan Image (TODO: send XD and validate API to receive site image)
- c. Draw polygons for building location
- d. Also have a marker for the building
- e. Send an update to the building API - with latest polygon and the marker

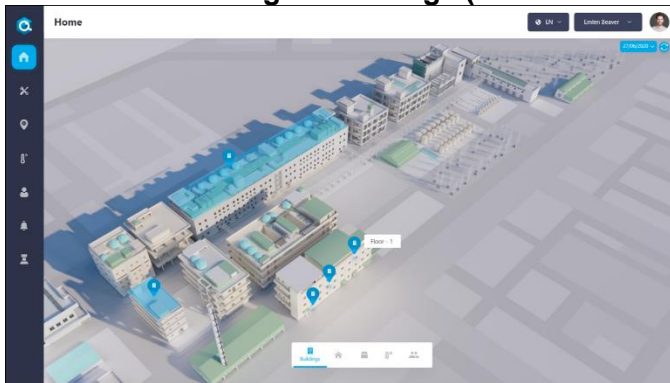
3. Markers for assets

- a. Use Data Registry -> Assets to create markers for assets and save the coordinates

Name: REACTOR-17 Site: VSKP
 Type: fixed Building: BLOCK-E
 Floor: FLOOR-1-E Zone: REACTORS-AREA-E
 Reader: Asset Monitor: True
 Sensor: ACC-6597 Vibration Thresold: 1.030000
 Target Utilization: 80.000000 Image: 
 Floor Plan: 
 Cancel Save

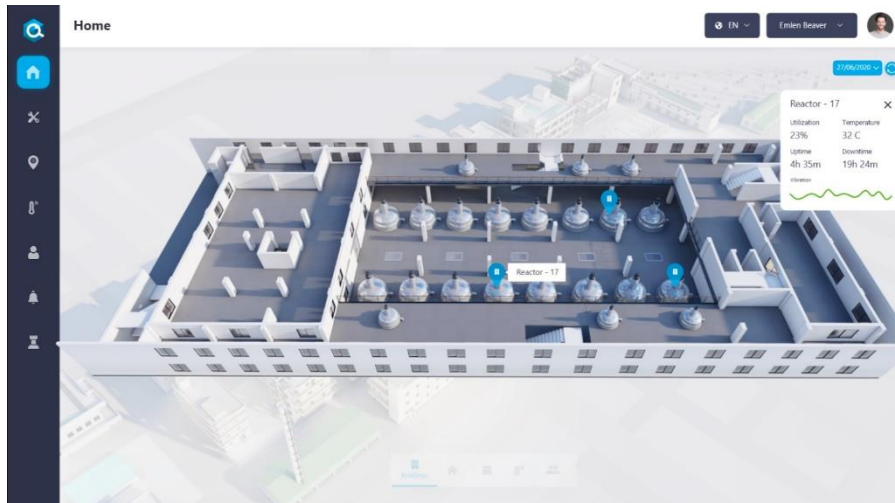
- b. Setting up default bounds, center, zoom of floor plan image (TODO: Share XD with marker and validate API)
- c. Zoom in /zoom out feature to accurately draw polygon same as in Leaflet URL from leaflet draw

4. Site Plan Home Page - Buildings (Validation of markers and polygons)



- a.
- b. Render the polygons and markers that we saved from data registry for the buildings

5. Site Plan Home Page - Assets (Validation of markers)



- a.
- b. Show the marker of the assets that we saved from data registry