Vizit Interface

The Vizit Interface is based on GeoJSON. Technically, the interface does not fully conform to the v1.0 specification which does not allow nested FeatureCollection objects. The format below breaks down into 3 distinct sections. The outermost wrapper is a FeatureCollection of sets. A set is a FeatureCollection that consists of 2 items, an epicenter Feature and a FeatureCollection of aftershocks. Each epicenter typically belongs to the same dataset, and the aftershocks accompanying a given epicenter belong to a separate dataset.

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "type": "FeatureCollection",
      "features": [
        {
          "type": "Feature",
          "geomtery": {
            "type": "Point",
            "coordinates": [
              <longitude>,
              <latitude>
            ]
          },
          "properties": {
            "data": <string>,
            "radius": <meters>,
            "timestamp": <POSIX>
          }
        },
        {
          "type": "FeatureCollection",
          "features": [
            <GeoJSON Feature object>,
            ...
          ]
        }
      ]
    },
    ...
  ]
}
```

For example, to display all images from Twitter that users posted within 1km of any point where a thermometer measured 80°, each epicenter would be a temperature reading of 80°, and the corresponding aftershocks would be images within a 1km radius of the associated reading.