Atlas

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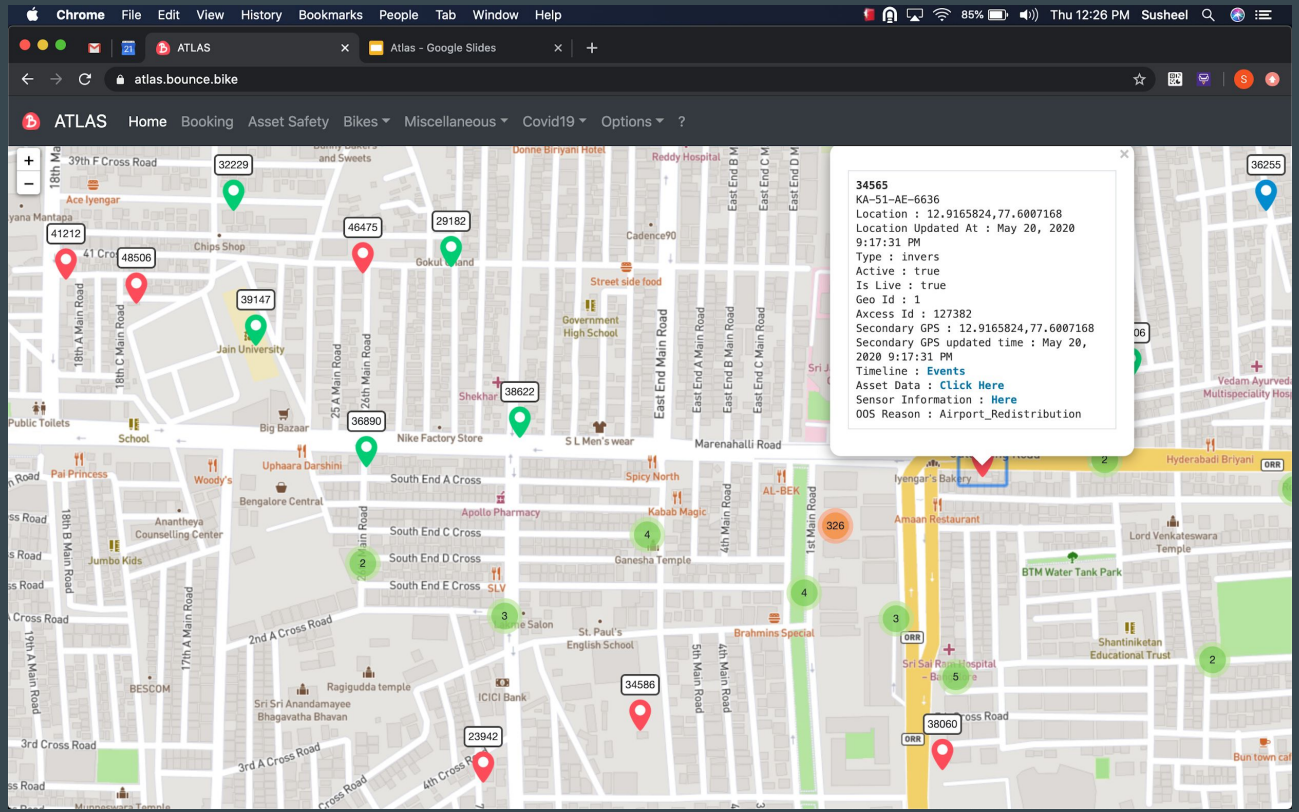
An OpenSource Internal Admin-Panel Framework

github.com/bounceshare/atlas

Features

- Map Controls - Markers, Fences, Circles & Paths
- GeoJSON Support
- Postgres CRUD UI
- Customizable Search Controls
- Config Driven
- Access Control
- Standalone Deployment Support
- Mobile Responsive
- AtlasSDK
- Backend Driven (so devs don’t have to fiddle around with UI code)

Screenshots



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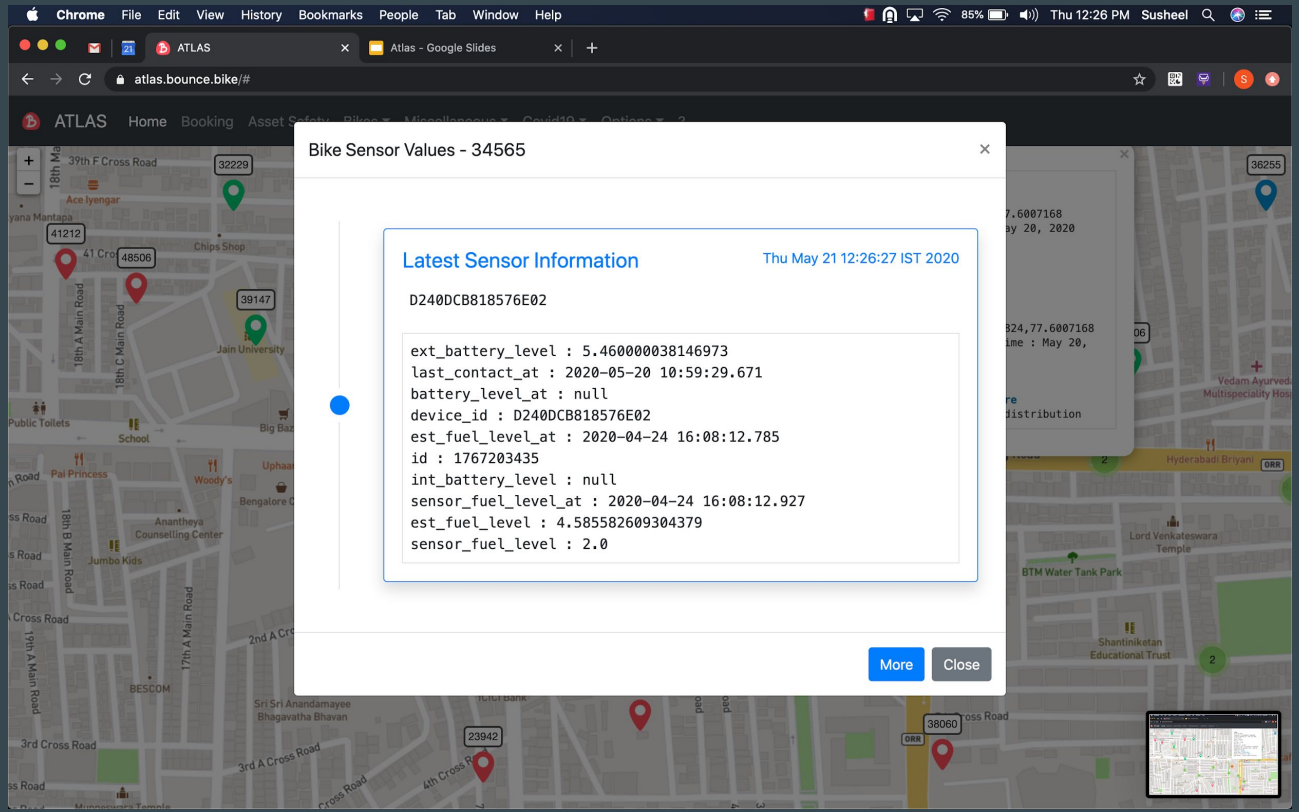

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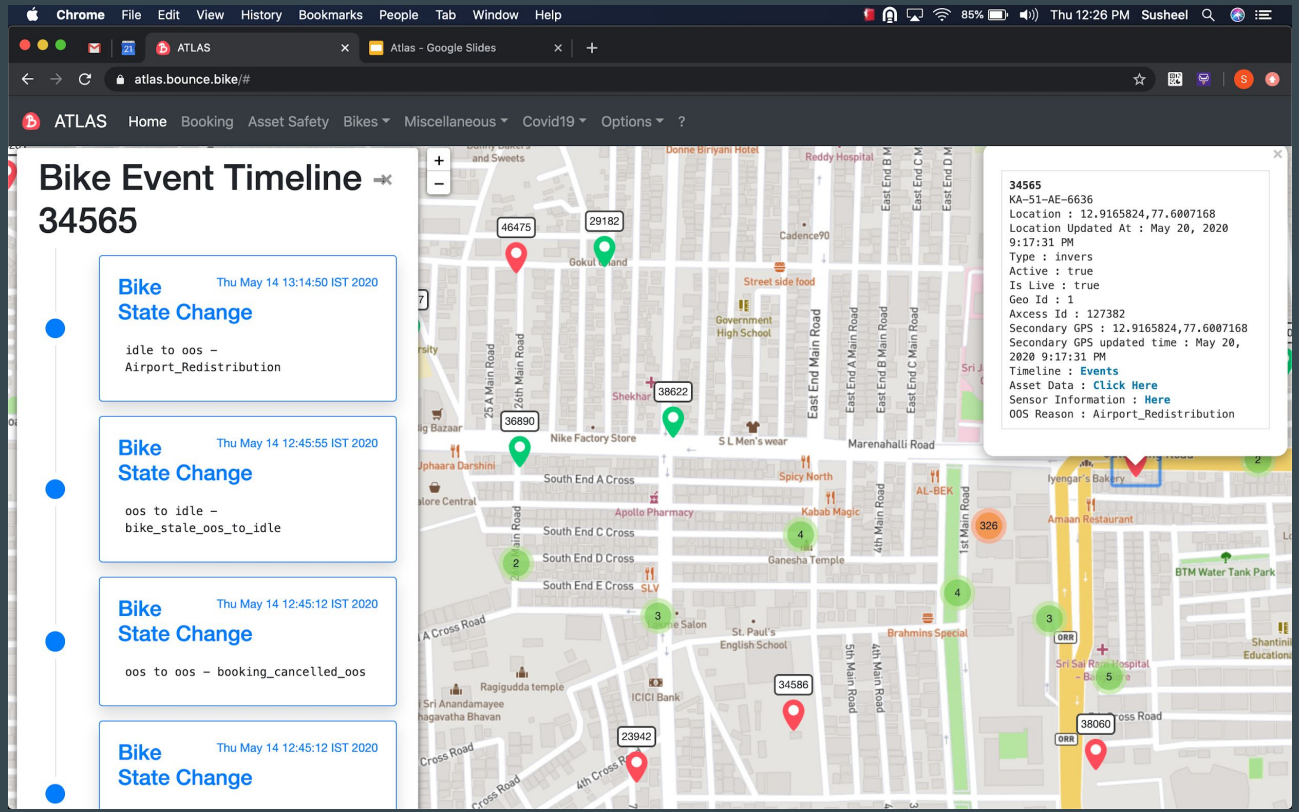

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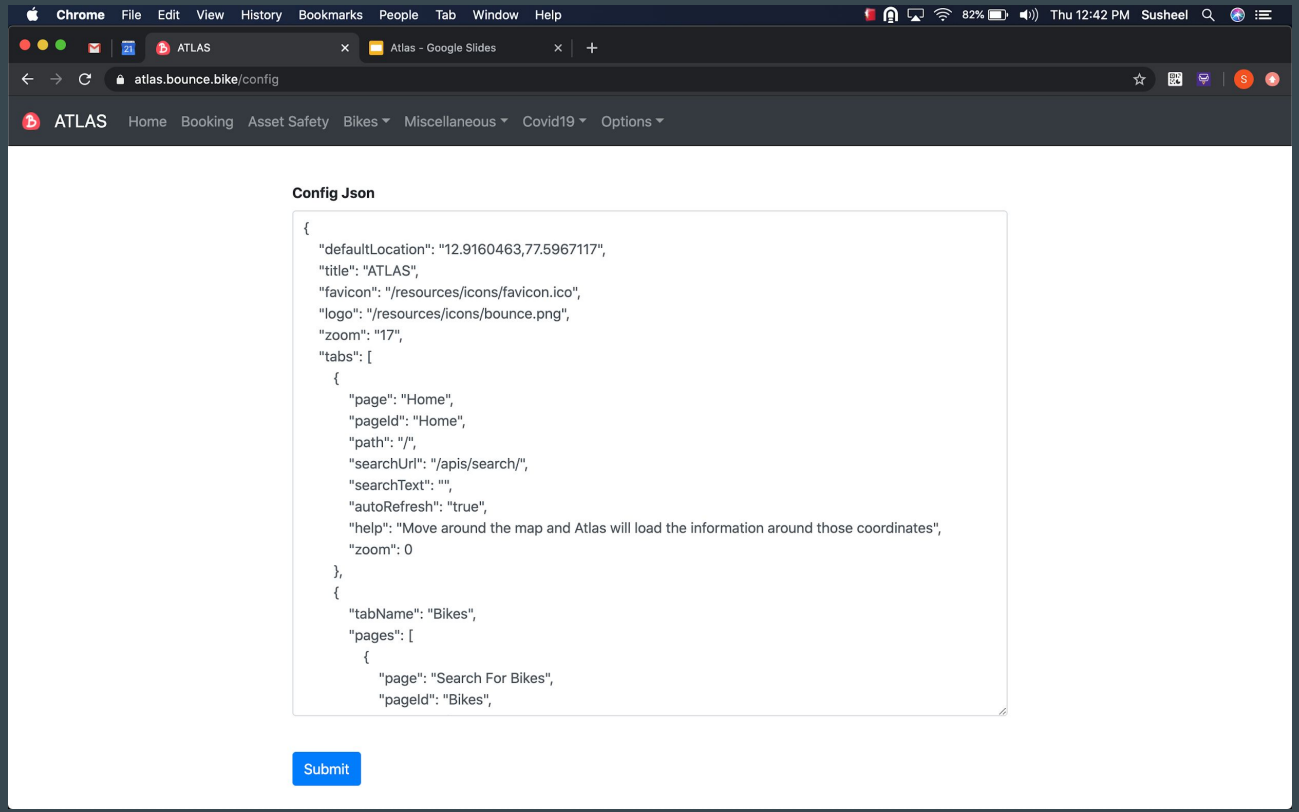

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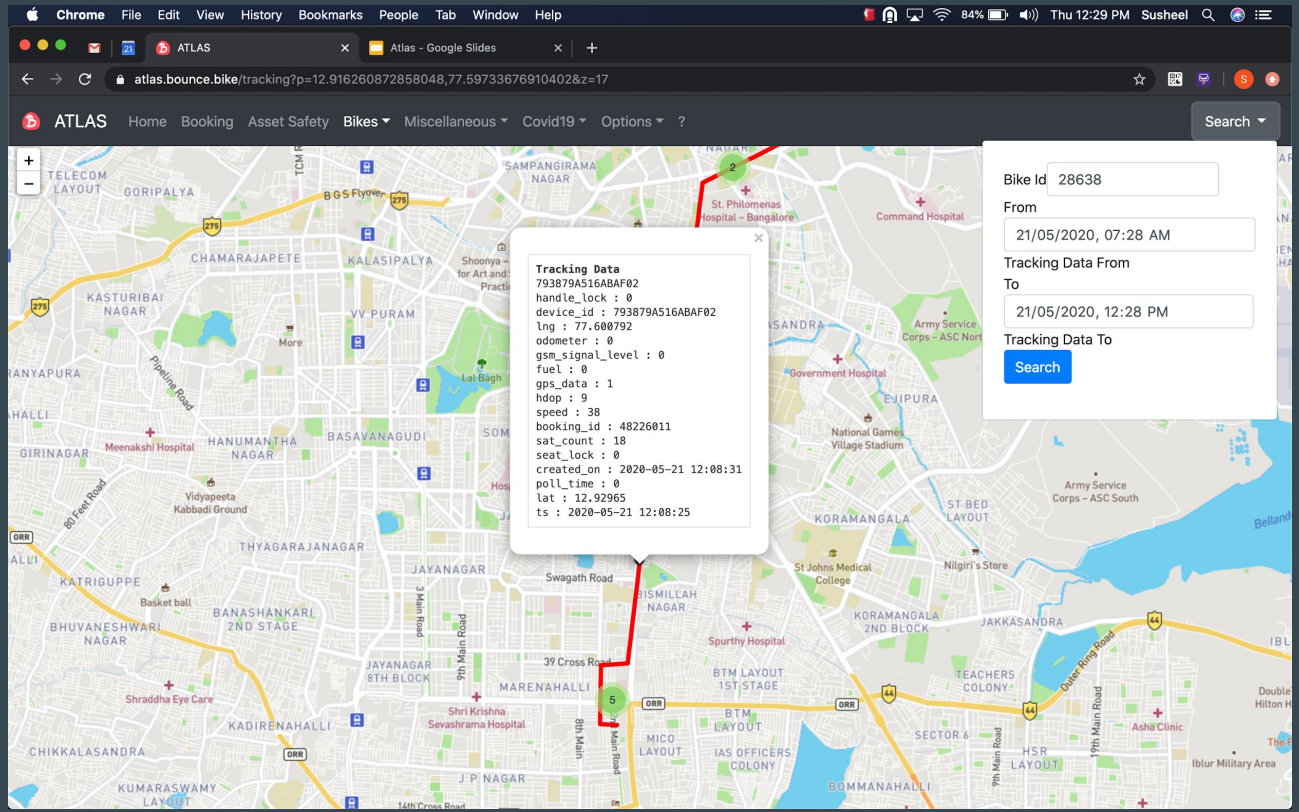

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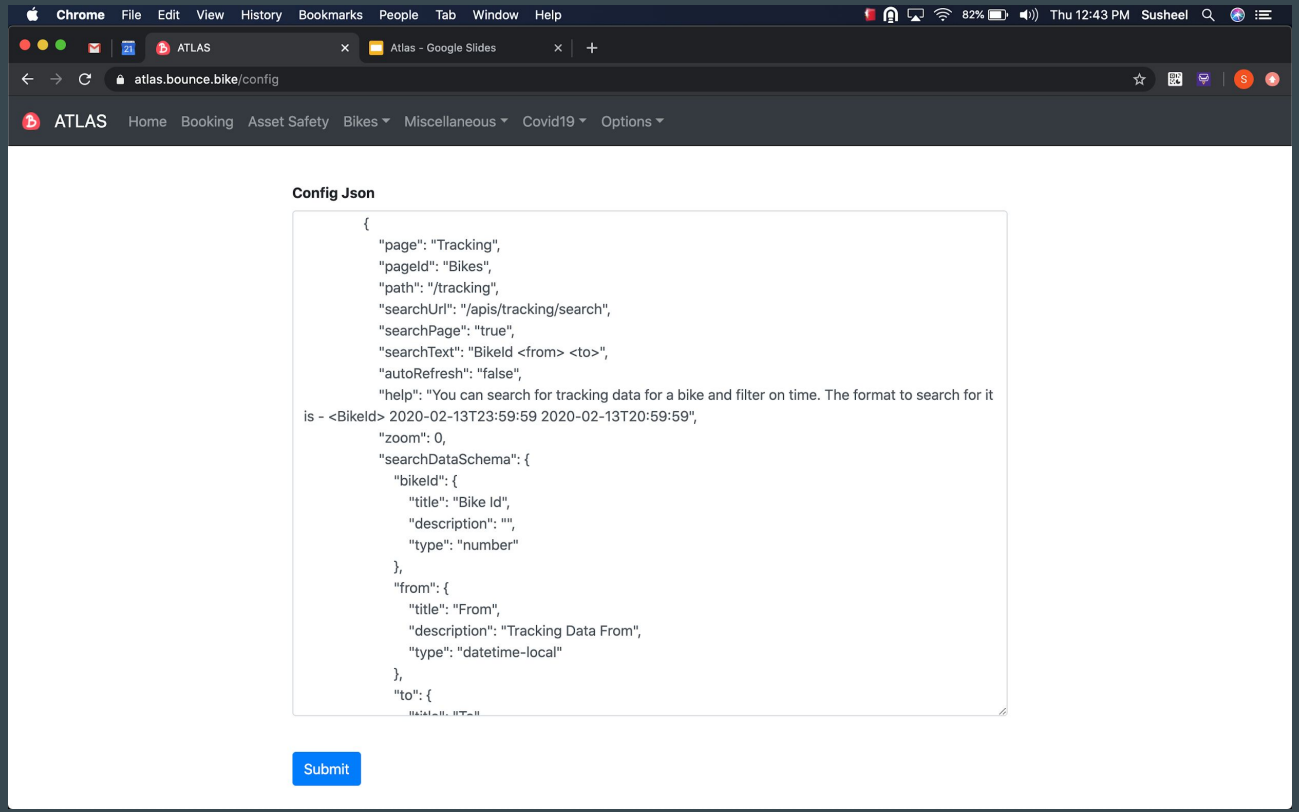

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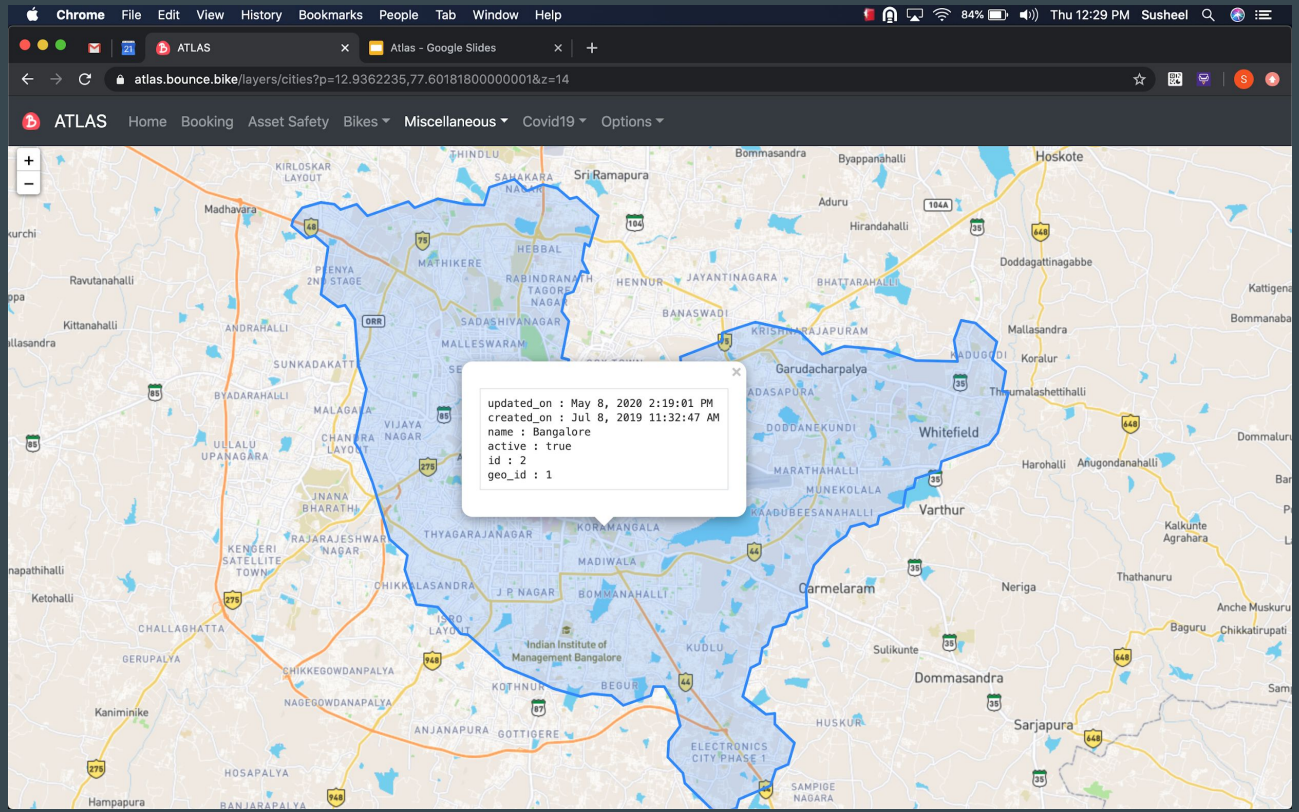

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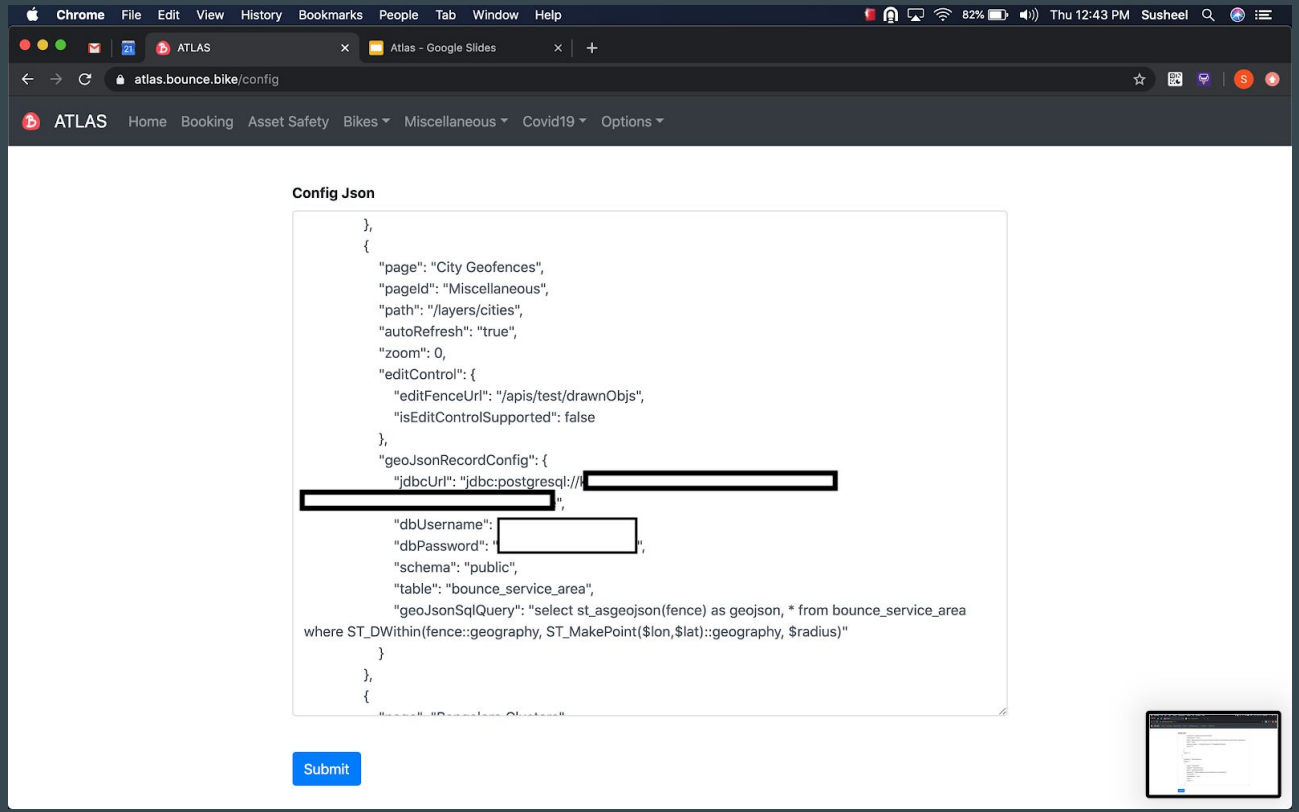

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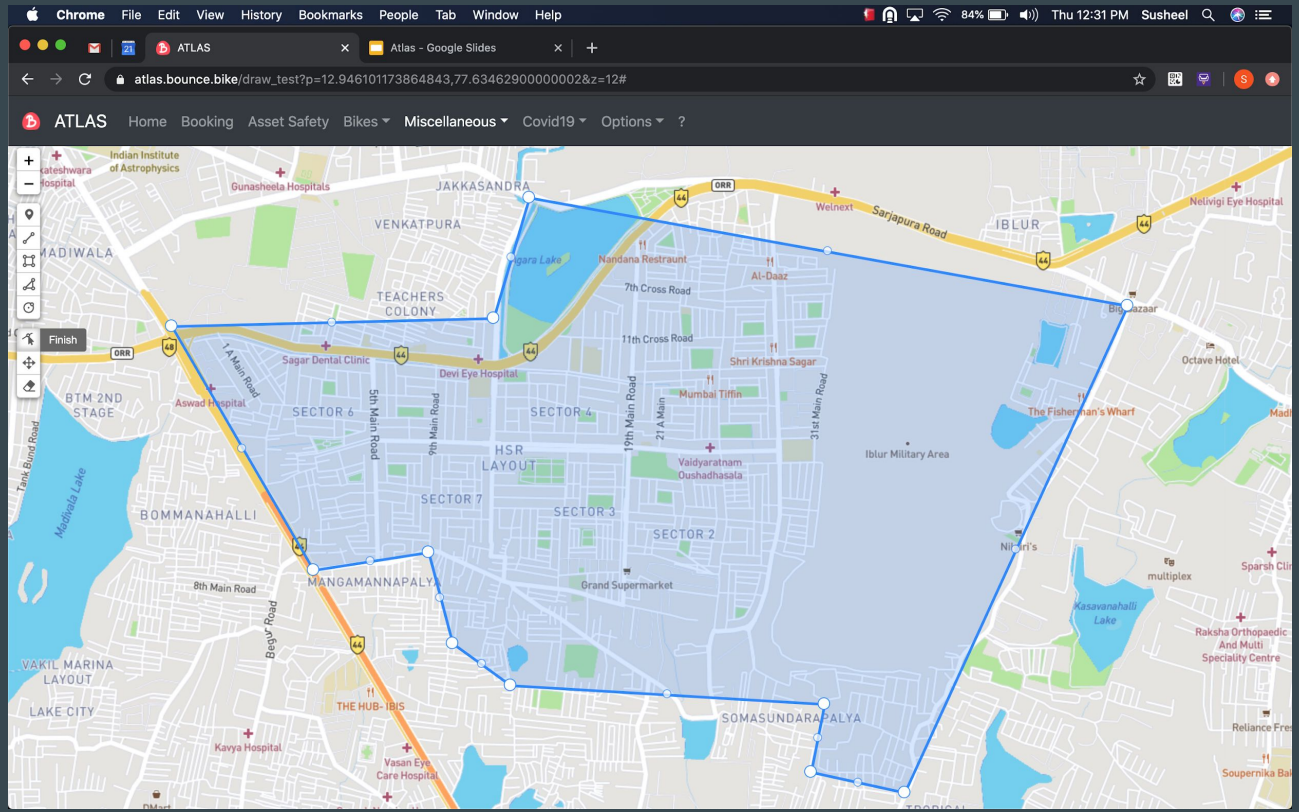

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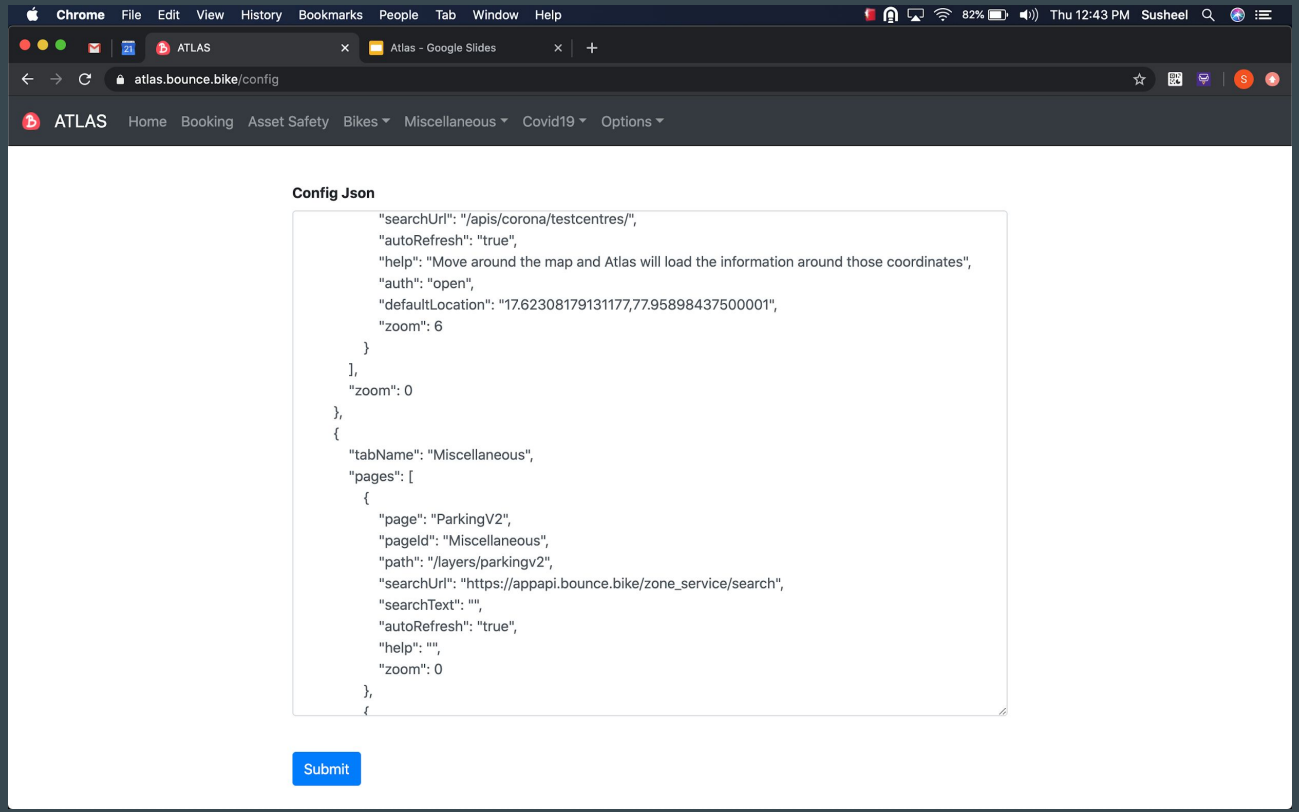

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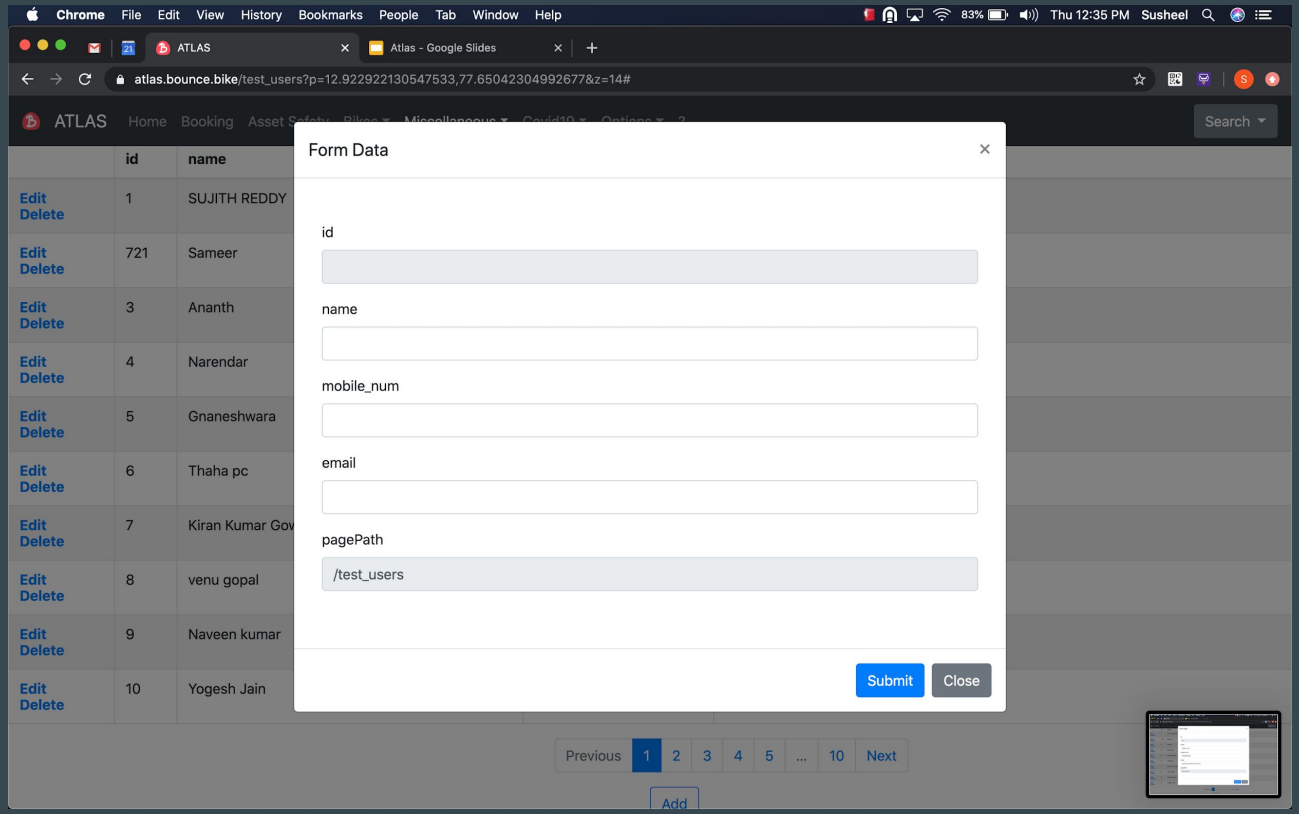

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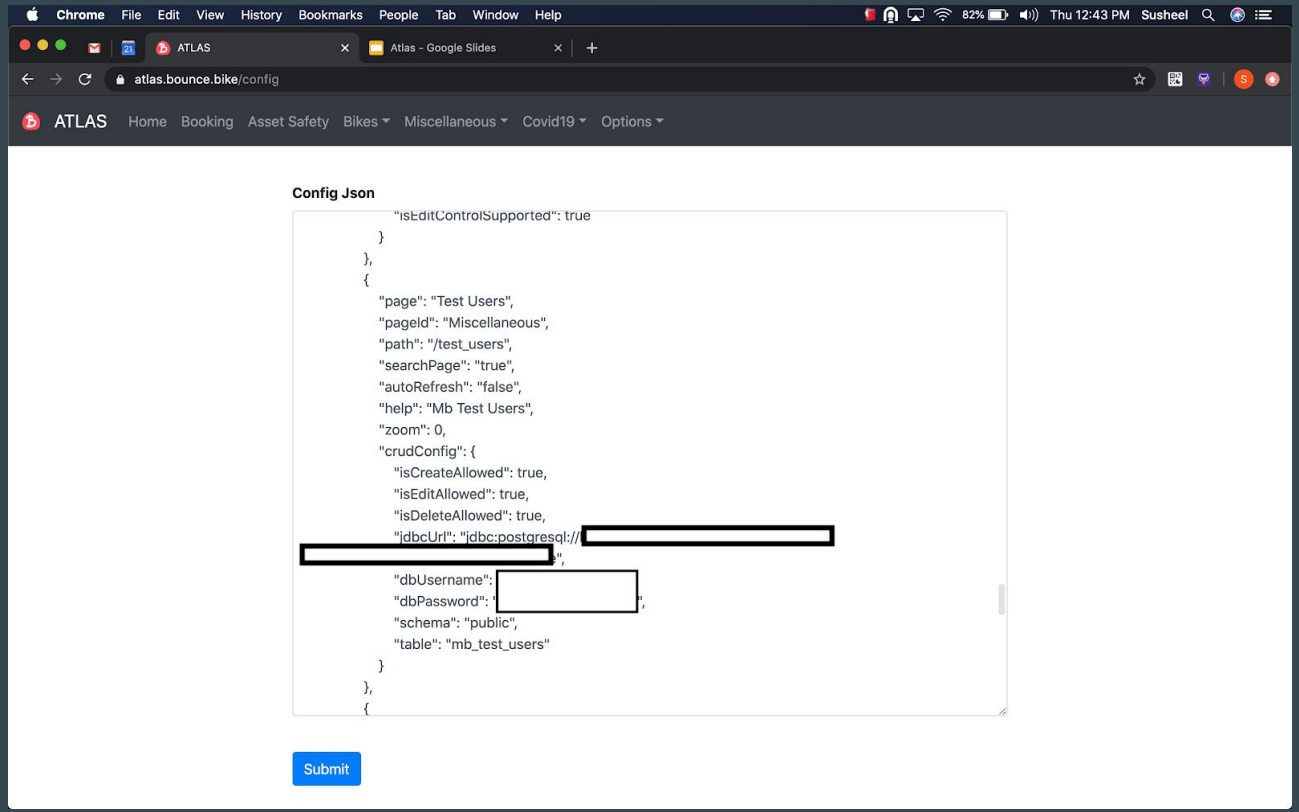

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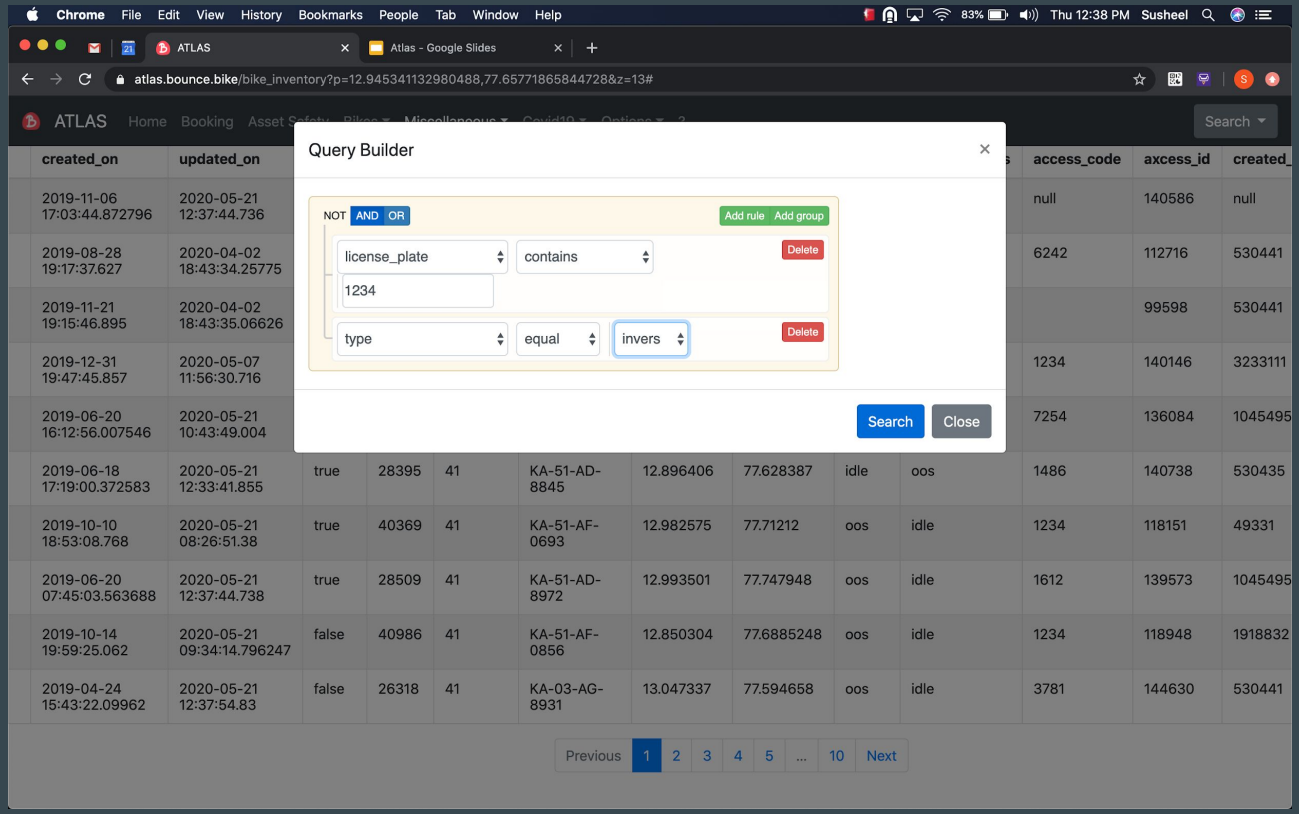

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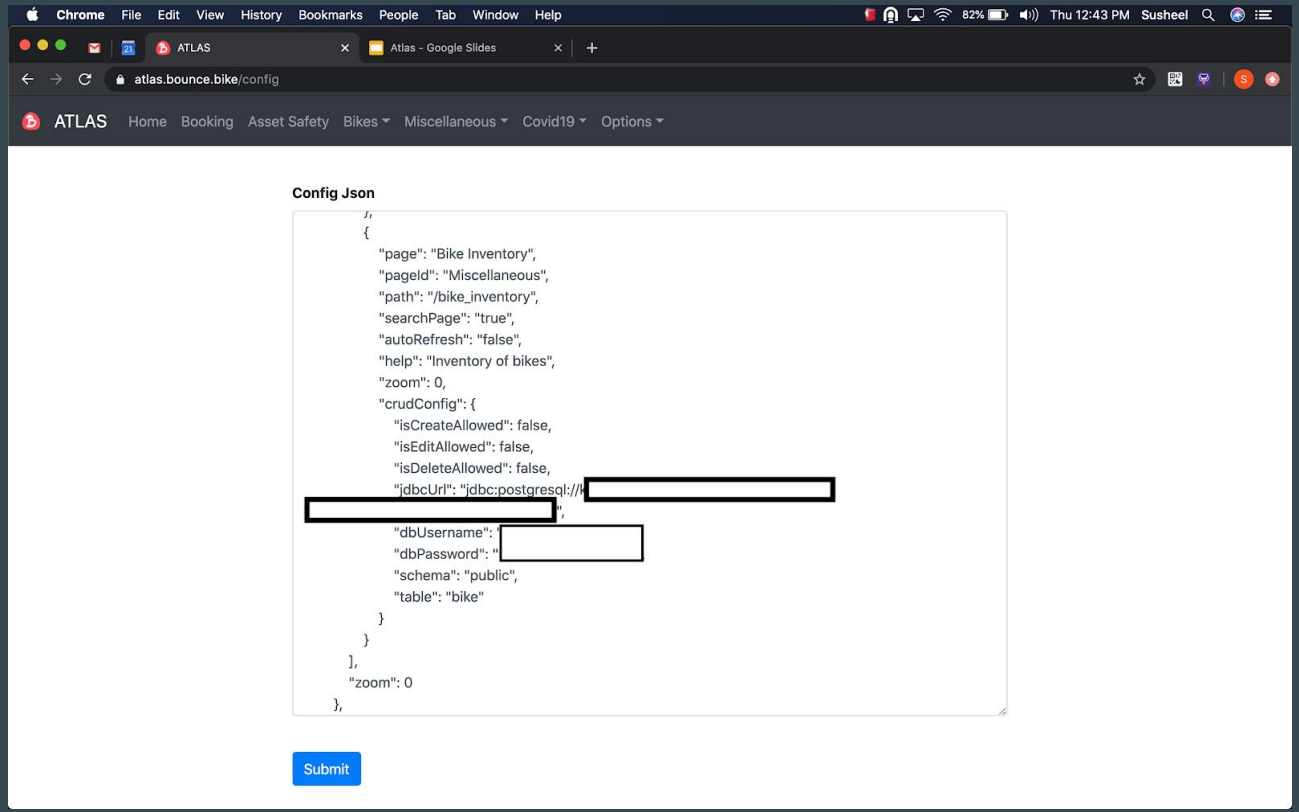
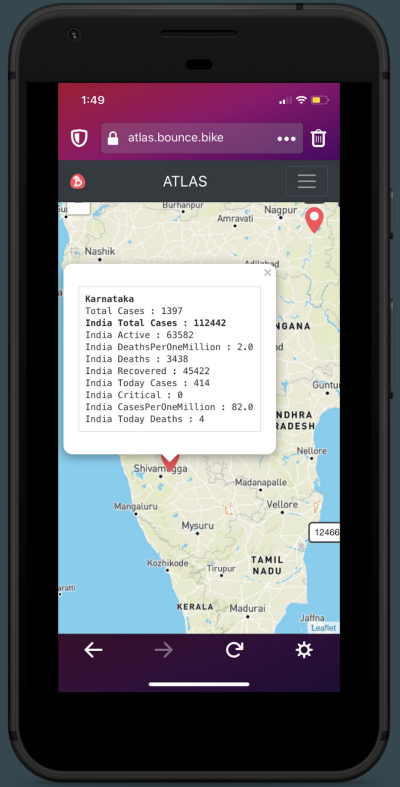
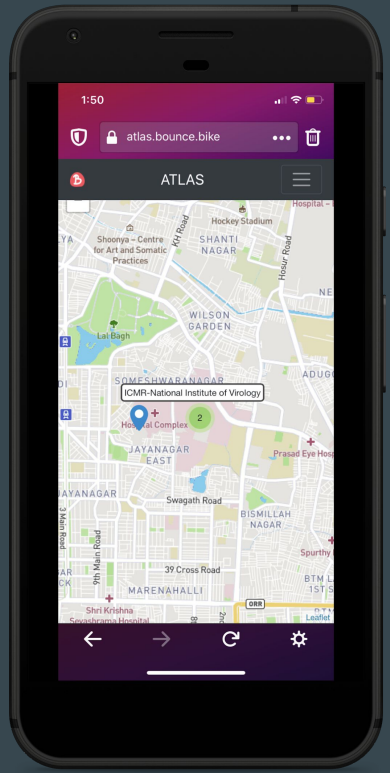


Works on Mobile (Responsive)





Tech Stack

- JAX-RS using Jersey deployed on Jetty
- Leaflet.js + jQuery + Bootstrap 4
- Freemarker for templating

Example - Listing Bikes on Map

```
@POST
@Path("/search/{path:.*}")
@Produces(MediaType.APPLICATION_JSON)
@Consumes({MediaType.APPLICATION_JSON})
@GoogleAuth
public void bikeListing(String inputString, @Suspended final AsyncResponse asyncResponse, @PathParam("path") String path) {
    logger.info("/apis/search");
    LayersApi layersApi = new LayersApi(inputString, asyncResponse, httpRequest, httpResponse, path);
    layersApi.onRequest();
}
```

Example - Listing Bikes on Map

```
public class LayersApi extends BaseApiHandler {

    private String path;

    public LayersApi(String inputString, AsyncResponse asyncResponse, HttpServletRequest httpRequest,
                     HttpServletResponse httpResponse, String path) {
        super(inputString, asyncResponse, httpRequest, httpResponse);
        this.path = path;
    }

    @Override
    public void onRequest(){
        try {
            super.onRequest();
        } catch (Exception e) {
            e.printStackTrace();
        }

        List<MarkerPojo> markers = Lists.newArrayList();
        List<FencePojo> fences = Lists.newArrayList();
        List<CirclePojo> circles = Lists.newArrayList();
        List<PathPojo> paths = Lists.newArrayList();

        double lat = input.optDouble( key: "lat",  defaultValue: 12.9160463);
        double lon = input.optDouble( key: "lon",  defaultValue: 77.5967117);
        int radius = input.optInt( key: "radius",  defaultValue: 5000);
        String searchQuery = input.optString( key: "searchQuery",  defaultValue: null);

        List<BikeRecord> bikes = QueryUtils.getBikes(lat, lon,  limit: 20000, radius,  status: null, searchQuery);
        List<MarkerPojo> bikeMarkers = RenderUtils.getBikesAsMarkers(bikes);
        markers.addAll(bikeMarkers);

        Map<Object, Object> response = Maps.newHashMap();
        response.put("markers", markers);
        response.put("fences", fences);
        response.put("circles", circles);
        response.put("paths", paths);
        if(TextUtils.isEmpty(searchQuery)) {
            response.put("autoRefresh", true);
        } else {
            response.put("autoRefresh", false);
        }

        sendSuccessResponse(asyncResponse, response);
    }
}
```