## **Goal**

Build professional interactive map representing all independent active hotels in Rome (~800), as operational field tool for managing contacts and sales relationships with hotels.

## **Purpose**

Visual monitoring and control system for leads; provide full visibility, real-time updates, and analysis of each hotel's status without losing overall city view.

## **Foundation**

Single database (one file, one dataset) containing all hotel data, powering two synchronized visualizations.

# **Full Rome View**

1. Displays all 15 Municipalities simultaneously, with boundaries clearly visible and outlined in black. (Done)
2. Whole city of Rome fully visible; anything outside city limits dimmed or whitened (no external markers or visual elements).
3. All hotels (~800) visible at all times; no clustering or grouping of points.
4. Clicking Municipality or selecting from menu automatically zooms in: selected Municipality becomes only active one, others faded, non-clickable, inactive. (Done)
5. Acts as “intelligent zoom” same map, different perspective.

# **Focused Municipality View**

1. Shows only selected Municipality with its hotels.
2. Rest of city visible in transparency but inactive. (Done)
3. Selected area centered, clearly delineated, operational focus. (Done)

# **Synchronization**

Both views automatically synchronized; modifications (e.g., change color, add note, update status) instantly appear in other view; always same map, different ways. (Done)

# **Hotel Representation**

Simple colored dot, no extra icons/symbols; white status (default) includes gold question mark “?” inside dot.

**Colors for Lead Status:** (Done)

White = not yet visited (default).

Green = positive lead.

Yellow = in negotiation.

Red = lost/negative lead.

**Variants**

Green/yellow include small number “1” or “2” for process phase (e.g., “Yellow 1” = first visit, “Yellow 2” = second); numbers appear on map (on pin) and in popup. (Done)

Editing: All statuses manually editable directly from map, permanently saved; no data loss after updates/reloads. (Done).

# **Pin Scaling**

Automatically scale size by zoom (larger when zoomed in, smaller when zoomed out) for readability with 800 points. (Done)

# **Visibility**

No automatic grouping/clustering; see every hotel individually at all times, know exact location.

# **Popup on Click**

Simple popup with four main elements (large, clear):

1. Star rating. (Done)

2. Status (color name in its color, small arrow to change). (Done)

3. Exact hotel name (official commercial name). (Done)

4. Notes (large free-text field for full page). (Done)

Popup Additional: Smaller text for technical details (address, coordinates) below, without interfering with main part. (Done)

**Filters**

1. (work same in both views, combinable, e.g., “4-star in Municipality II”).
2. Municipality (one at a time, via click/dropdown). (Done)
3. Star category (1★–5★). (Done)

# **Map Style**

1. Outside Rome: completely white/gray, non-clickable.
2. Inside Rome: only hotel points, no other elements (no restaurants, shops, stations, icons).
3. Optionally: names of main neighborhoods in small text.
4. Municipality borders: black, thick, always visible on full-city map. (Done)
5. Basemap: clean, modern, minimalistic; developer shows 2–3 styles for choice.
6. Final Product: Real operational management tool/field-work platform; every point is actively worked hotel.

# **Purposes**

Display all leads clearly/coherently.

Know real-time status of each.

Manually update field progress (colors, notes, statuses).

Quickly filter/view by type/area.

Maintain complete, synchronized, real-time overview of city.

Performance: No lag/slowdown; perfectly smooth, responsive, stable with 800 points, on desktop/mobile.

# **Development**

Provide direct live link/file for real-time progress view; client tests continuously on mobile/desktop for design, functionality, sizing, responsiveness, usability; immediate feedback.

# **Delivery**

Entire project (code, database, all technical/administrative access) exclusive client property; no developer/third-party access, credentials, modification/view ability post-delivery; fully client-controlled, no dependencies/locks/permissions.