

Phase 7 — Integration & External Access (Implemented Parts)

Objective: Connect the Smart TravelConnect CRM with external systems to enhance user experience through live location data and demo payment processing.

B. Google Maps API Integration

Purpose: Show nearest travel offices or branches on the UI.

Steps Implemented (Click by Click):

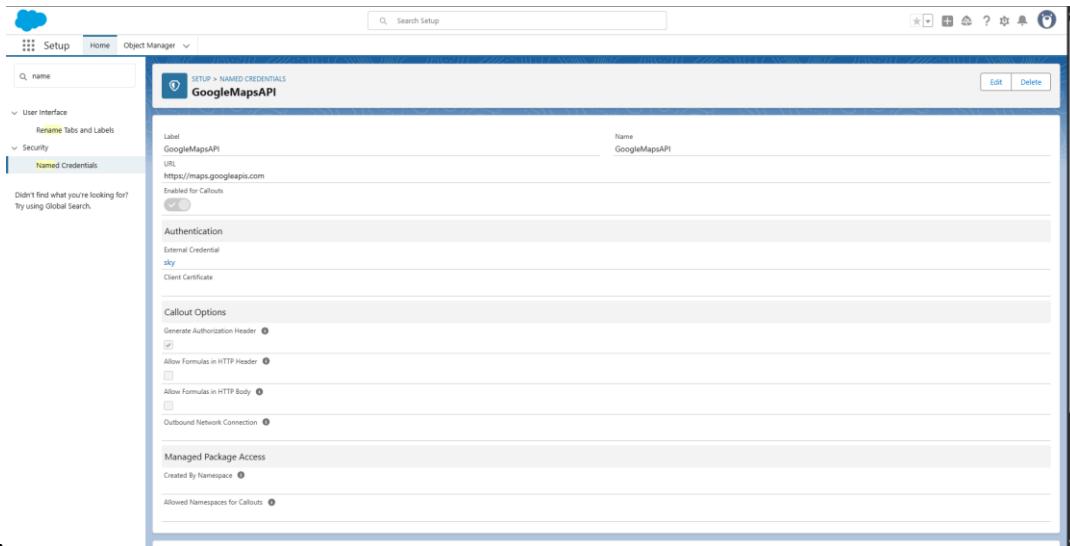
1. Obtained **Google Maps API Key** from Google Cloud Platform.
2. Go to **Setup** → **Named Credentials** → **New**.
3. Enter details:
 - **Label:** GoogleMapsAPI
 - **Name:** GoogleMapsAPI
 - **URL:** <https://maps.googleapis.com>
 - **Authentication:** None
4. Click **Save**.
5. Created **Apex Class** to call the Maps API:
6.

```
HttpRequest req = new HttpRequest();
```
7.

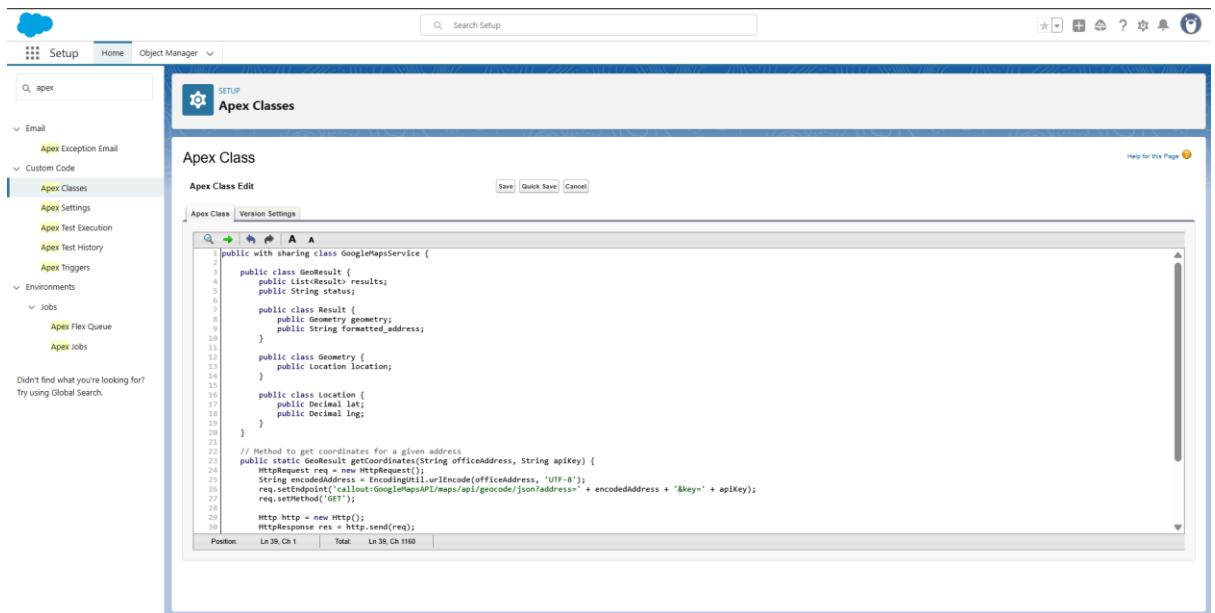
```
req.setEndpoint('callout:GoogleMapsAPI/maps/api/geocode/json?address=officeAddress&key=YOUR_KEY');
```
8.

```
req.setMethod('GET');
```
9.

```
HttpResponse res = new HttpResponse().send(req);
```
10. Parsed the JSON response in Apex → Passed data to **LWC component**.
11. Added **LWC component** to **Home Page or Record Page** via **Lightning App Builder** → Drag & Drop component → Save & Activate.



12.



- ✓ Users can now see branch locations visually on the map inside Salesforce.

C. Payment Gateway Integration (Razorpay / PayPal)

Purpose: Enable demo payment functionality for bookings.

Steps Implemented (Click by Click):

1. Go to **Setup** → **Named Credentials** → **New**.
2. Enter details:
 - **Label:** RazorpayAPI
 - **Name:** RazorpayAPI
 - **URL:** <https://api.razorpay.com/v1/>

- **Authentication:** Basic Auth
3. Click **Save**.
 4. Created **Apex Class** for sending payment requests:

```
5. HttpRequest req = new HttpRequest();
6. req.setEndpoint('callout:RazorpayAPI/payment_link');
7. req.setMethod('POST');
8. req.setHeader('Content-Type','application/json');
9. req.setBody('{ "amount": 1000, "currency": "INR", "customer": {"email": "test@example.com"} }');
10.HttpResponse res = new Http().send(req);
11.Captured Payment ID / Status in Payment__c record after response.
12.Added record update logic: On payment success, update booking status if required.
```

 Demo payments are now functional, and payments are tracked in Salesforce.

Summary of Implemented Integrations

- **Google Maps API** → Displays nearest travel offices on the UI for easy navigation.
- **Payment Gateway (Razorpay/PayPal)** → Enables demo online payments, with payment status linked to bookings.