**Architecture Diagram**

**Summary in Words:**

 User sends a request with ZIP code using Postman or browser

 Controller receives the request and forwards it to the service

 Service:

* Gets coordinates using **Google Geocoding API**
* Uses coordinates to find banks via **Google Places API**

 Service filters out banks that are beyond 10 miles

 Returns a clean JSON response with name, address, and distance

Return Json Response with name, address, and distance

Lat/Lng of zip

Google Geocoding api

Filter results within 10 mi

List of nearby bank

Google places API

GoogleService

(Service layer)

BankLocatorController (RestAPI)

Client

(browser or Postman)