**Business Document**

**Project Title**: Nearby-Bank-Finder-Springboot

**Goal**:

Build a simple Spring Boot application that accepts a user's zipcode and returns a list of banks within a 10-mile radius using the Google Maps API for distance calculation. The output should be a list of banks in the specified radius.

**Problem statement:**

1. Spring Boot: Use Spring Boot to create RESTful service.

2. REST API: Create an endpoint that accepts a zipcode and returns nearby banks.

3. Google Maps API: Integrate the Google Maps API for calculating distances and geolocation.

4. Microservices: Design the service to be modular, where the bank service and Google Maps API interaction can be decoupled into separate services.

**Solution**

I have created 2 modular services named banks and maps these services are conned to each other through the yml on banks service I have Provided a REST API that:

* Accepts a zipcode.
* Returns a list of banks within a 10-mile radius.
* Includes bank names.

This is done through the Googles APIs.

**Users**

* websites that need location-based banking info.
* Internal apps needing simple and fast access to location-based services.