# Titanium Assignment

* RESTFUL API endpoints to connect to an application layer
* Interact with DB layer for GET and POST data from and to data layer
* Simulate multizone DB layer redundancy.

Architecture

Graphical user interface, diagram

Description automatically generated

The above diagram shows the current implementation of system and its components.

*There are multiple approaches that can be implemented to sync between Data layer and multiple data sources.*

1. The data layer can be used to treat all data sources (databases) as independent and sync between them.

## API layer

* Controller with GET and POST api endpoints to connect to server and application

## Application layer

* Services and backend structure to define endpoint interfaces.

## Streaming service

* To communication asynchronously and handle large requests between microservices

## DB layer

* A infra consisting of Repositories and database configurations to control and commit between multiple data sources, in this case – 2 sqlite databases.