Connecting Anything with MuleSoft

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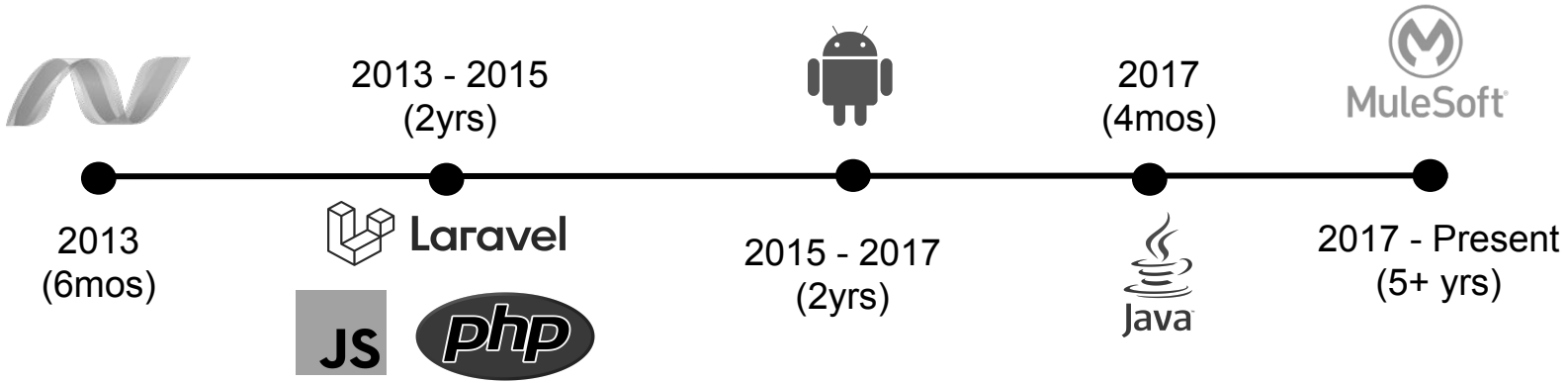
Hi, I’m @AjDeGuzman!

- mulesoft developer
- 9+ yrs IT industry
- 2 yrs in academe

Tech Skills Journey



API Integration

Internet of Things (IOT) Integration

Software Integration

Mobile Apps Integration

(Any) Integration

“Anything that can be connected, will be connected.”

API Integration

API

application programming interface

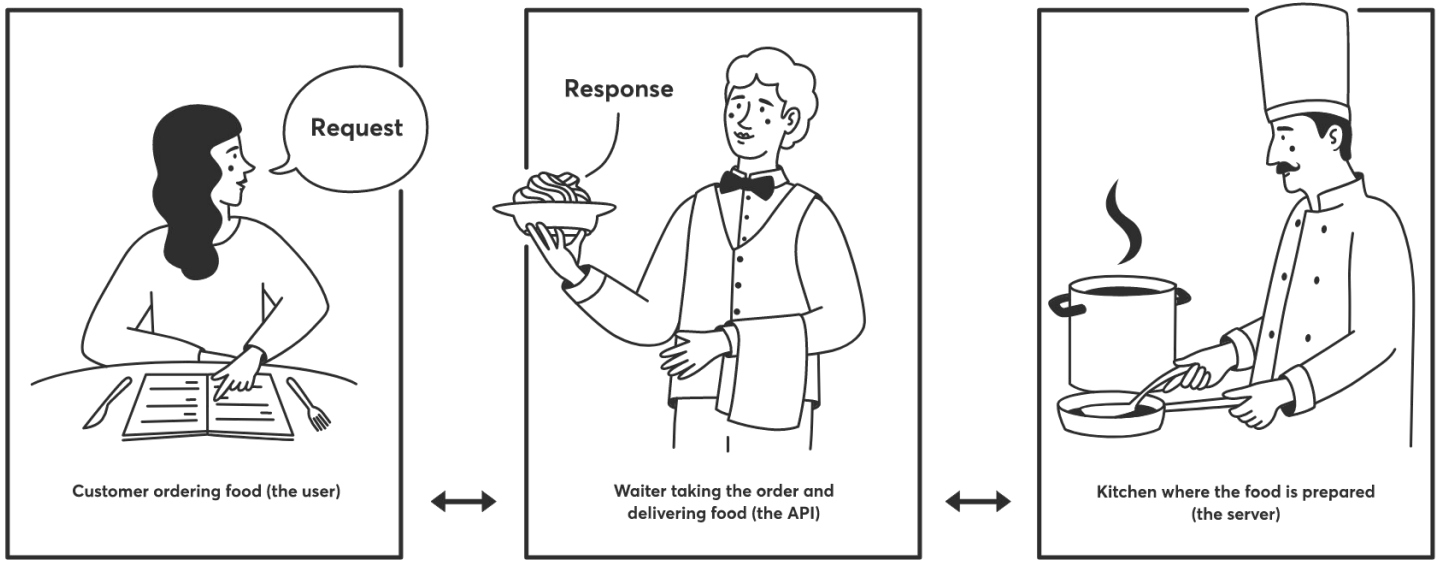
API

a way to communicate

API

it is everywhere

API RESTAURANT ANALOGY



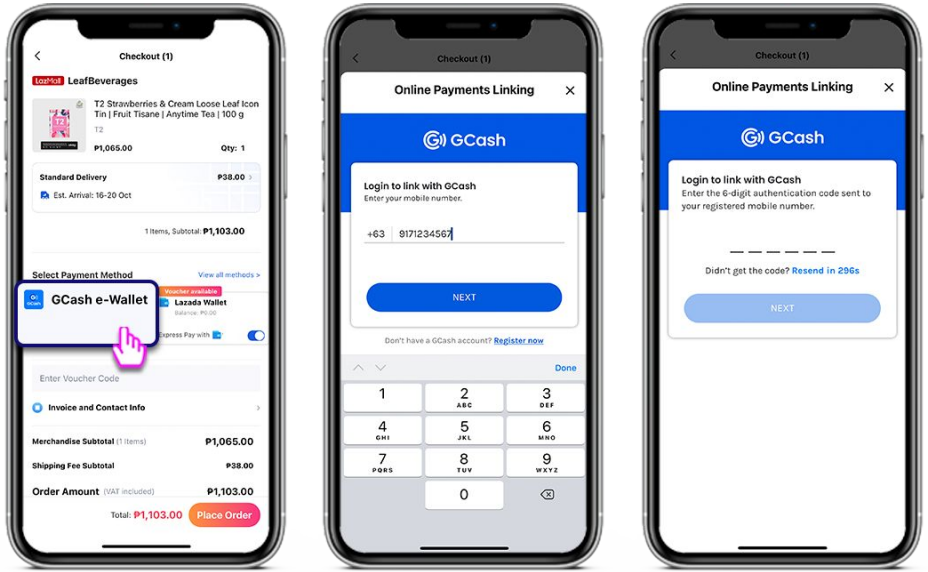
Source: datastory.org

API Integration

ZALORA

Shopee Lazada

GCash



API Integration

ANGKAS

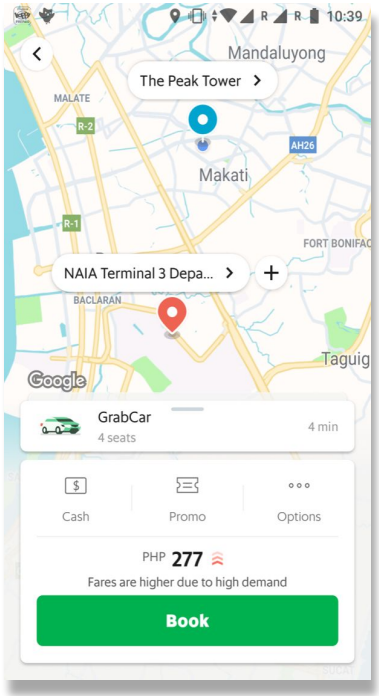
foodpanda

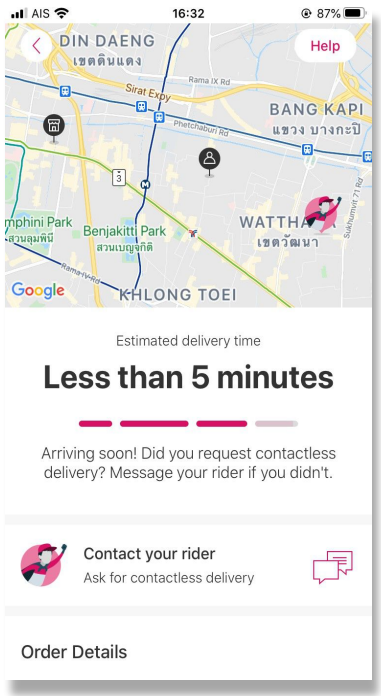
Grab

waze

Google Maps

GCash





API Lifecycle

API Lifecycle

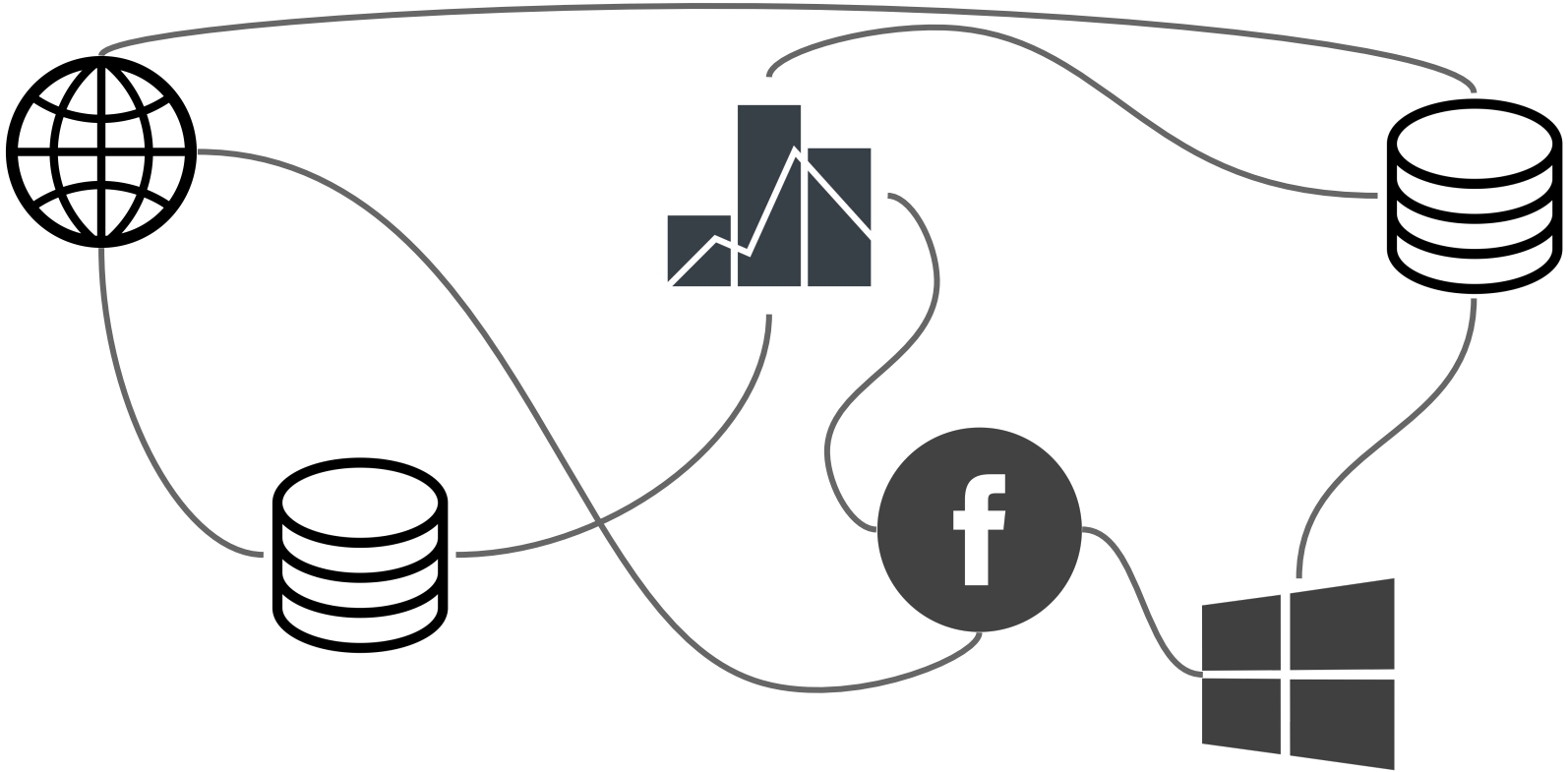
design > dev & test > deploy > manage

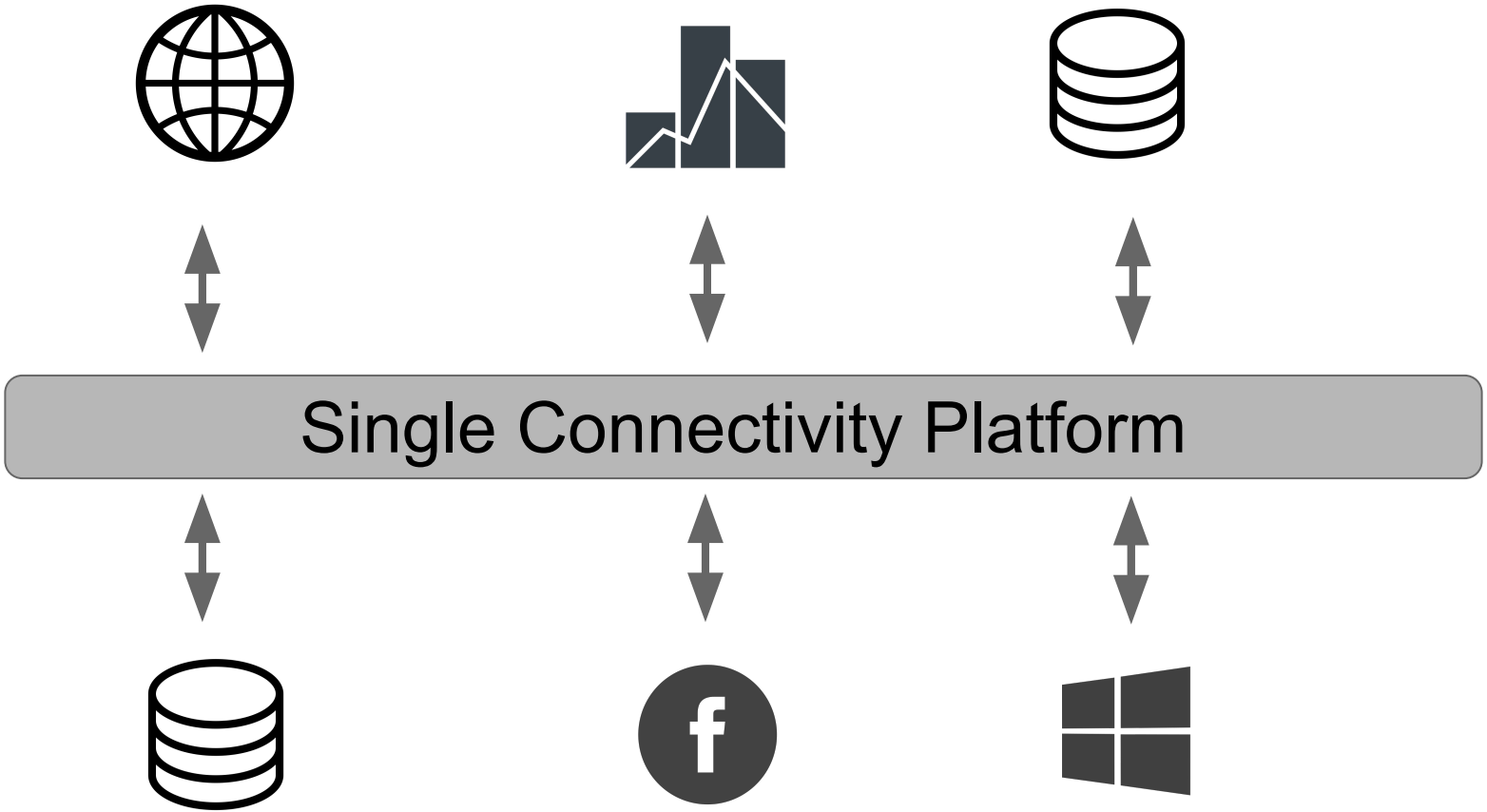
Integration

so… what are we trying to solve here?

Point-to-point Integration

Complexity with Point-to-point Integration




Single Connectivity Platform

What is MuleSoft?

What is MuleSoft’s Anypoint Platform?

Anypoint Platform

- API Designer (Designing APIs)
- Anypoint Studio (Building & Testing APIs)
- Runtime Manager (Deploying API)
- Anypoint Exchange (Sharing APIs)
- Anypoint Monitoring (Monitoring API)

Integration

api > mulesoft > anypoint platform

API Design

API Design

API

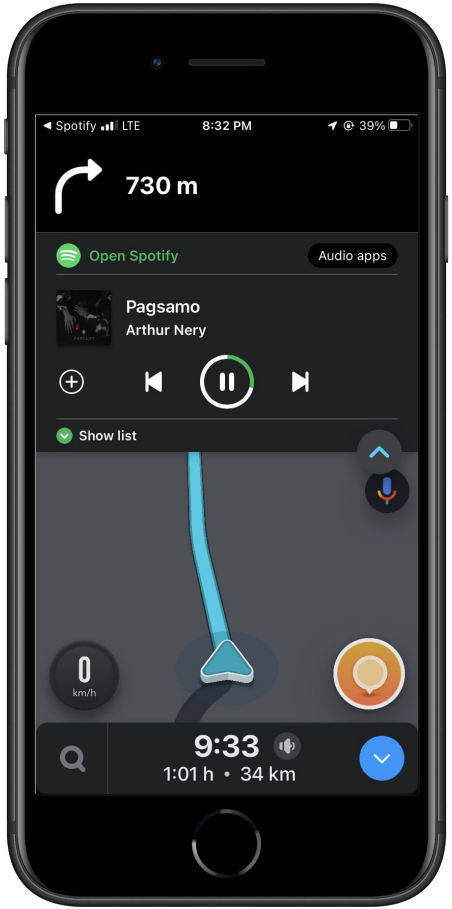
Google Maps

- Geocodes
- Distance
- Places

API Design

waze x Spotify®

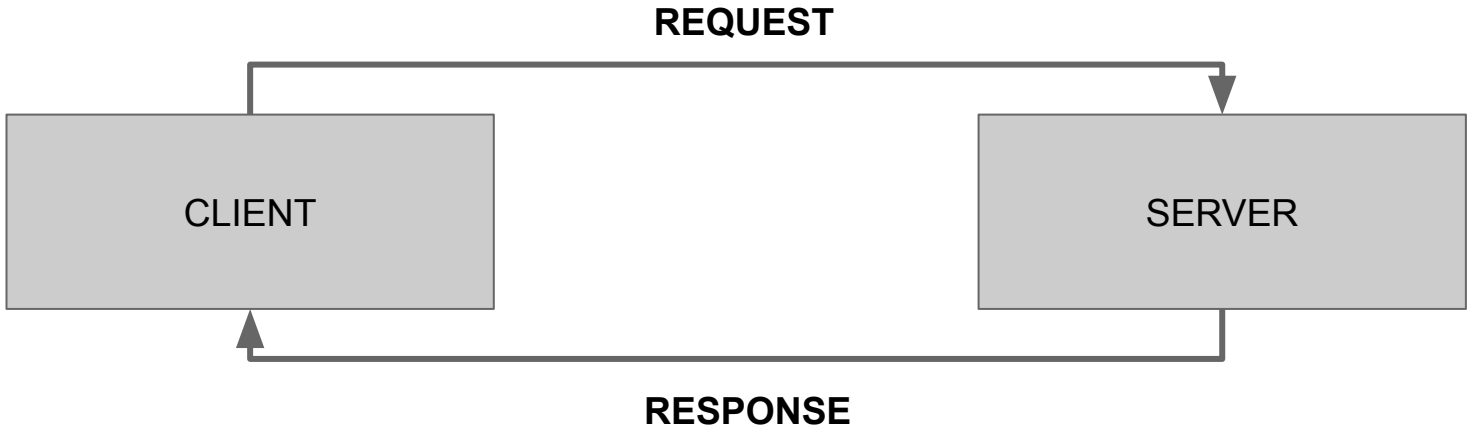
- Retrieve Albums
- Retrieve Artists
- Retrieve Liked Songs



Recap:

- Integration
- API
- API Lifecycle
- MuleSoft Anypoint Platform
- API Design
- RAML - API Designing Language

HTTP Basics



HTTP Verbs

POST - Create

GET - Retrieve, Read

PUT - Update, Replace

PATCH - Update, Modify

DELETE - Delete, Remove

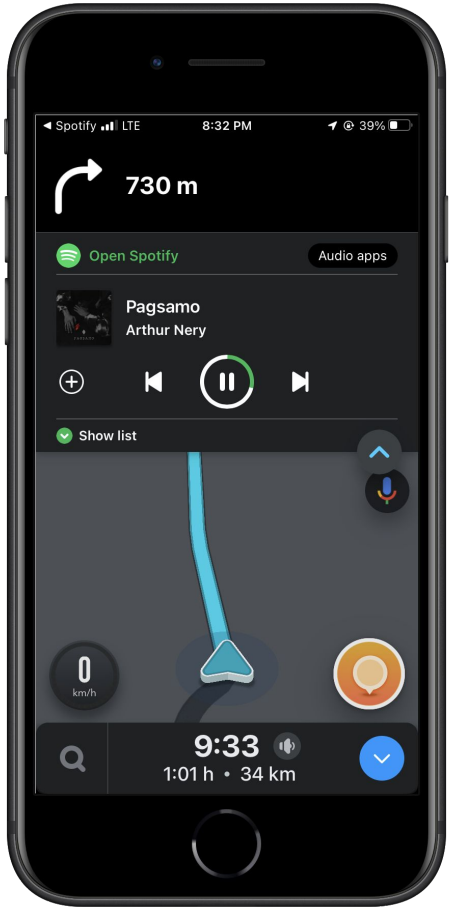
HTTP STATUS CODE

200 - OK
201 - Created
400 - Bad Request
401 - Unauthorized
404 - Not Found
500 - Internal Server Error

API Design

waze x Spotify®

- Retrieve Albums
- Retrieve Artists
- Retrieve Liked Songs

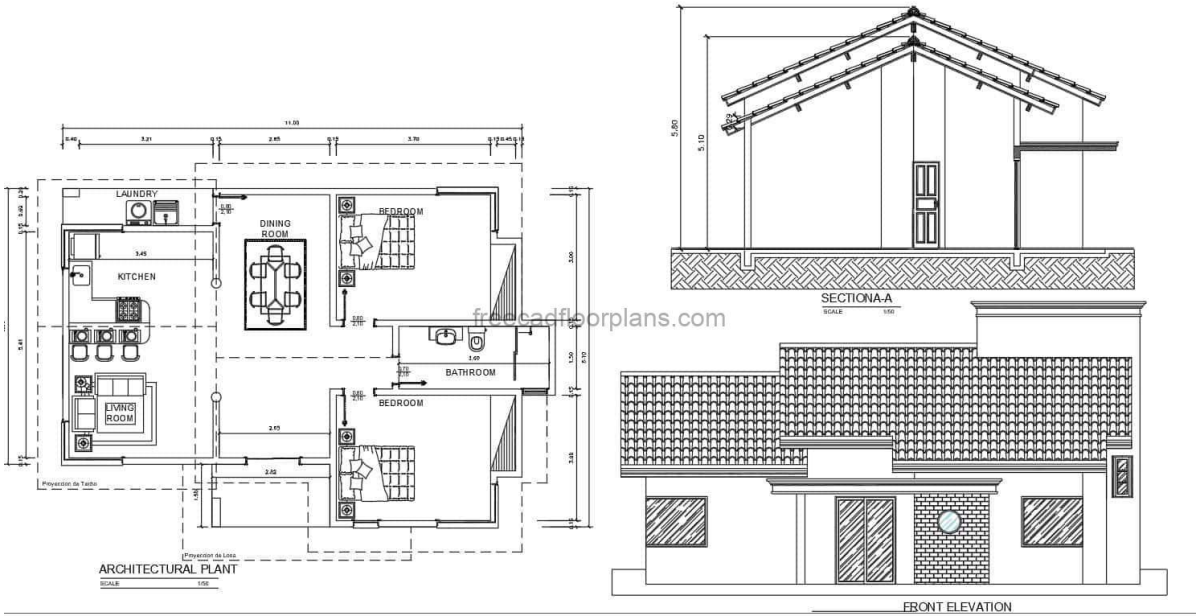


RAML

RESTful api modeling language

RAML

…your API's Blueprint



RAML

```
#%RAML 1.0
title: JobAPI
baseUri: http://allItJobs.com
mediaType: application/json
types:
  job: !include datatypes/Job.raml

/jobs:
  get:
    headers:
      Accept:
    responses:
      200:
        body:
          type: job[]
  post:
    headers:
      Content-Type:
    body:
      job
    responses:
      201:

```

Integration Scenario

API

Merriam-Webster

- Word Definition
- Synonyms
- Antonyms

Anypoint Platform

- API Designer (Designing APIs)
- Anypoint Studio (Building & Testing APIs)
- Runtime Manager (Deploying API)
- Anypoint Exchange (Sharing APIs)
- Anypoint Monitoring (Monitoring API)

<live demo>

What’s next?

Continue Learning

https://training.mulesoft.com

https://help.mulesoft.com/s/forum

<q&a>