

# Timelink - Development

Presented by LAMTCo Solutions

# Backend development

## Status

- First version fully developed
- First API/Data server fully running

Swagger  
Supported by SMARTBEAR

/v3/api-docs

## OpenAPI definition v0 OAS 3.1

Employees Operations for managing employees

GET /api/employees/{id} Get employee by ID

PUT /api/employees/{id} Update employee by ID

DELETE /api/employees/{id} Delete employee by ID

GET /api/employees Get all employees

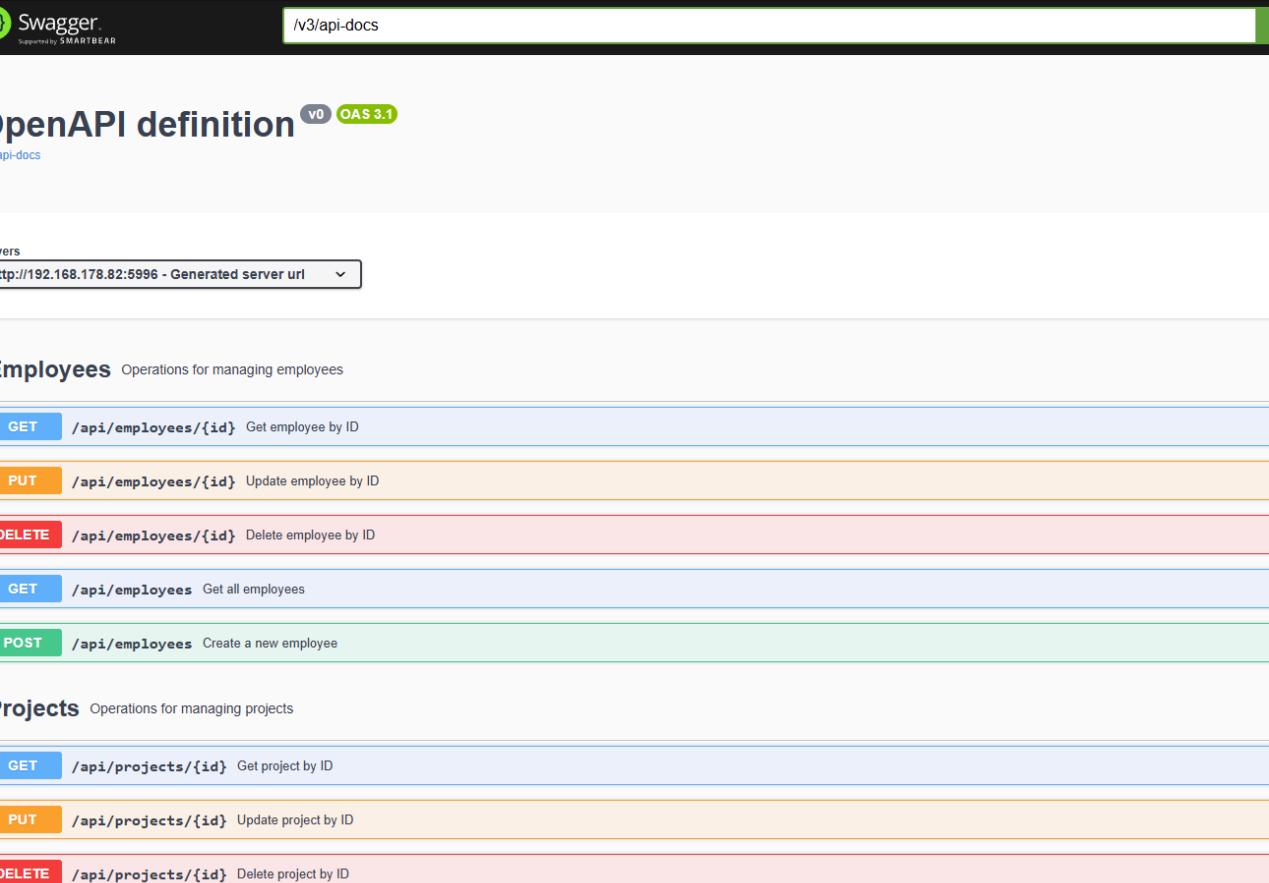
POST /api/employees Create a new employee

Projects Operations for managing projects

GET /api/projects/{id} Get project by ID

PUT /api/projects/{id} Update project by ID

DELETE /api/projects/{id} Delete project by ID



# What main methods have been developed

- The api is currently running a swagger api specification tool that helps understand what the API does

# Manual Test cases

- Most of the manual test cases have been implemented for the current scope

# Some examples

## Start a shift UC-2

- **Preconditions:**
  - User connected
  - Application has GPS allowed (optional)
- **Steps:**
  - Open application
  - Go to the shift page
  - Click button "Start shift"
- **Expected Result:**
  - Shift has started within 2 seconds
  - Timestamps and GPS saved
  - Message "Shift started at hh:mm"

## And there are many more

- There are around 12 Manual tests for the current project scope



A photograph showing a line of police officers in full riot gear, including helmets and face masks, standing behind a yellow caution tape that reads "POLICE LINE DO NOT CROSS". They are positioned in front of a large, classical-style building with columns. In the background, a crowd of people is visible, some holding American flags and a sign that reads "TRUMP AMERICA FIRST! 2020".

# Project status

- Back-end has been completely developed
  - All the manual tests have been implemented
  - Both front-end as well as well unitary testing have started as well
- First version of the front-end
    - All the unit tests and integration tests finished as well
  - Preparing the final demo as well as the final presentation