School Engine

API LLD

Document Number 5

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# Introduction

## Purpose

The purpose of this file is to explain the logic behind the classes that are part of the API managers group. These classes will take care of receiving the http requests that will be sent by the frontend.

## Intended audience

# API Endpoints

The purpose of this chapter is to explain the API paths, HTTP method used and the expected content (in application/json format) that a request coming to the backend would have. The paths will be split and managed by multiple classes. These classes will be explained with greater detail into the next chapters.

## Environment paths

The scope of the environment paths is to call the schools, countries, and the holidays CQL managers. All of these paths will be implemented by the EnvironmentAPIManager class.

|  |  |  |
| --- | --- | --- |
| API path | HTTP method | Content |
| /api/environment/school | POST | {“name” = ?, “country\_id” = ?, “image\_path” = ? (optional)} |
| /api /environment/school?id={} | GET |  |
| /api /environment/school | GET |  |
| /api /environment/school?id={} | PUT | {“name” = ?, “country\_id” = ?, “image\_path” = ? (optional)} |
| /api /environment/school?id={} | DELETE |  |
| /api /environment/country | POST | {“name”=?, “code”=?} |
| /api /environment/country?id={} | GET |  |
| /api /environment/country | GET |  |
| /api /environment/country?id={} | PUT | {“name”=?, “code”=?} |
| /api /environment/country?id={} | DELETE |  |
| /api /environment/holiday | POST | {“country\_or\_school\_id”=?, “type”=?, ”date”=?, “name”=? (optional)} |
| /api/environment/holidays?id={}&  type={} | GET |  |
| /api /environment/holiday?id={}&  type={}&date={} | GET |  |
| /api /environment/holiday | PUT | {“country\_or\_school\_id”=?, “type”=?, ”date”=?, “name”=? (optional)} |
| /api /environment/holiday?id={}&  type={}&date={} | DELETE |  |
| /api /environment/holiday?id={}&  type={} | DELETE |  |
| /api/environment/school\_holidays?  Id={} | GET |  |

# Announcements paths

The scope of the announcements paths is to call the announcements and announcements\_by\_tag CQL managers. All of these paths will be implemented by the AnnouncementsAPIManager class.

|  |  |  |
| --- | --- | --- |
| API path | HTTP method | Content |
| /api /announcement | POST | {“school\_id” = ?, “created\_by” = ?, “title”=?, “text”=?, “allow\_answers”=?, “files”=?, “tags”=?} |
| /api /announcement | GET |  |
| /api/announcement\_by\_tag?tag\_id={} | GET |  |
| /api /announcement?id={} | PUT | {“school\_id” = ?, “created\_by” = ?, “title”=?, “text”=?, “allow\_answers”=?, “files”=?} |
| /api /announcement?id={} | DELETE |  |
|  |  |  |