

API Specification document

Reporting API

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1. Introduction

In order to use project properly you need to do some steps

1. Download from **GitHub** and inside project folder run **npm install** to download dependencies
2. Create a database in MySQL called **reportingapidb**
3. configure your database connection environment in **.env** file
4. Run first API to create tables and insert data http://localhost:5000/api/tables_seed

2. Get user logins in a specific period

| Method | URL |
|--------|---|
| GET | http://localhost:3000/api/getLogins/username/ahmed/start/2022-01-19 10:56:52/end/2022-01-19 11:02:06 |

Username available in database: hema, ahmed, mohamed

INPUT Parameters for the request URL:

| Parameter | Type | Ex: |
|-----------|--------|---------------------|
| Username | String | Ahmed |
| Start | String | 2022-01-19 10:56:52 |
| End | String | 2022-01-19 11:02:06 |

Output Parameters for the response Json:

| Key name | Value | |
|-------------|--------|---------------------------------------|
| Name | String | |
| Loggedin | String | |
| userLogs_id | String | |
| createdAt | String | Timestamp generated at insertion time |
| user_id | String | |

3. Get the most active users

| Method | URL |
|--------|--|
| GET | http://localhost:3000/api/most_active_user |

Output Parameters for the response Json:

| Key name | Value | |
|-----------------|--------|--------------------------|
| User_id | String | |
| Name | String | |
| email | String | |
| number_of_login | Int | Number of logins counter |

4. Get the most enrolled categories

| Method | URL |
|--------|---|
| GET | http://localhost:3000/api/most_enrolled_categores |

Output Parameters for the response Json:

| Key name | Value | |
|------------------------|--------|---------------------|
| categoryName | String | |
| mostEnrolledCategories | int | Count of enrollment |

5. Get a list of courses by the tag name

| Method | URL |
|--------|---|
| GET | http://localhost:3000/api/get_course_by_tag/es6 |

Tags available in database: es6, web, css

INPUT Parameters for the request URL:

| Parameter | Type | Ex: |
|-----------|--------|----------------------|
| Tag | String | es6, web, css |

Output Parameters for the response Json:

| Key name | Value | |
|----------|--------|--|
| Id | String | |
| name | String | |