

Backend Documentation

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1 Introduction

The backend has several different purposes. It facilitates logging in and account management, data access.

For the purpose of this documentation, any endpoint without arguments is a GET request and any with arguments is a POST request. No other request types are used. Please be advised that path variables are not considered arguments as they are not part of a POST body.

2 Endpoints

2.1 Accounts

2.1.1 `api/auth/signin`

This is the endpoint for logging in.

Arguments You must give it a signin request containing a string, email, and string, password.

Return It will return a string containing whether the attempt was successful or not. It will also set the browsers cookie for the site which acts as further authentication later.

2.1.2 `api/auth/signup`

This is the endpoint for creating new users.

Arguments You must give an email and password. Both strings. The password must be 8 characters long, contain a number, capital and special character.

Return Upon success it will return an OK status. Should it fail it will return a BAD_REQUEST message with a string explaining the reason why the request failed.

2.1.3 `api/auth/signout`

This is the endpoint to log users out.

2.2 Data

2.2.1 `api/data/hi`

This is a test endpoint. It requires not authentication and can be used to verify the status of the backend.

Return It returns "Hello" if the server is running, nothing otherwise though likely an error of some kind.

2.2.2 `api/data/applications/all`

This is the endpoint to retrieve all application data currently stored.

Return It returns a list of the application data.

2.2.3 `api/data/applications/successful`

This endpoint returns all applications believed to be successful.

Return This returns a list of all applications believed to be successful.

2.2.4 `api/data/applications/failed`

This endpoint returns all applications believed to have failed.

Return This returns a list of all applications believed to have failed.

2.2.5 `api/data/applications/ongoing`

This endpoint returns all applications believed to be still ongoing.

Return This returns a list of all applications believed to still be ongoing.

2.2.6 `api/data/applications/after/date`

This endpoint returns a list of all applications completed after the specified date.

Path Variable date is the date you want to search based off of.

Return It returns a list of all applications completed after the specified date.

2.2.7 `api/data/leads/all`

This is the endpoint to retrieve all leads data currently stored.

Return It returns a list of the leads data.

2.2.8 `api/data/applications/between/date`

This returns all applications created between two dates.

Arguments You must give it two date objects; a start and end date.

Return This returns a list of all applications created between the start and end dates.

2.2.9 `api/data/applications/type`

Returns all applications of a specific type

Arguments You must give it a string of the type you want.

Return This returns a list of all applications whose type match the given string.

2.2.10 `api/data/applications/stage`

Returns all applications at the specified stage

Arguments You must give it a string of the stage you want.

Return This returns a list of all applications that are the stage specified by the string.

2.2.11 `api/data/applications/filter`

This returns all applications that match the given filters

Arguments

2.2.12 `api/data/clients/all`

This returns a list of all clients (datatype specified by the ml team).

Return This returns a list of all clients currently stored in the database.

2.2.13 `api/data/timeline/all`

This returns a list of all timelines (datatype specified by the ml team).

Return This returns a list of all timelines currently stored in the database.

2.2.14 `api/data/graphs/byMonth`

This is an endpoint to retrieve data needed for the charts page.

Return This returns a list of objects containing the name of months and the numbers of leads and/or applications that occurred during it. It starts from the first month that has either and stops at the last that has either. For example, should the first application or lead be in Dec 2000, this will not include data on months before then.

2.2.15 `api/data/count/type`

This is an endpoint that returns a count of applications whose type matches the specified type.

Path Variable type is the string you want to count based off of.

Return This returns a integer, it is the number of applications whose type matched the given string.

2.2.16 `api/data/graphs/byType`

This is an endpoint to retrieve data needed for a graph.

Return This returns a list of Counts (A count is a string (called name) and an integer (called count)) for each type of application. The counts have the type as their name and the count of applications matching the type as the integer.

2.2.17 `api/data/graphs/byStage`

This is an endpoint to retrieve data needed for a graph.

Return This returns a list of Counts (A count is a string (called name) denoting the label and an integer (called count)) for each stage an application can be in. The counts have the stage name as their name and the count of applications within that stage as the integer.