**API Specification Doc**

**(*MEEST Web App*)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description** |
| **1.0** | **24-June-2021** | **Rajendra Verma** | **MEEST** |

## NOTE: Please don’t request edit access to this demo document. Instead, click the “USE TEMPLATE” button if it is present on the right top corner of the page, or click [here](https://docs.google.com/document/d/1HSQ3Fe77hnthw8hizqvXJU-qGEPHavMkctvCCadkVbY/template/preview?usp=drive_web) to make a copy of this template for your use. Thank you!

## 

## 

## 

Index

1.User Registration

[Request](#_kd6tjl5w5wjo)

[Response](#_8b7ijrpuamb8)

[2. User](#_9t094e45sg90) authentication

[Request](#_38pypefkb82)

[Response](#_47awg09ehquu)

3.Get Updates

[Request](#_kd6tjl5w5wjo)

[Response](#_8b7ijrpuamb8)

4.Deletions

[Request](#_kd6tjl5w5wjo)

[Response](#_8b7ijrpuamb8)

5.User's current logins

[Request](#_kd6tjl5w5wjo)

[Response](#_8b7ijrpuamb8)

6.Employee services & managements

[Request](#_kd6tjl5w5wjo)

[Response](#_8b7ijrpuamb8)

7.Notifications

[Request](#_kd6tjl5w5wjo)

[Response](#_8b7ijrpuamb8)

[Conventions](#_uk42zio712fb)

[Status Codes](#_of6ke88xwee4)

Methods

## 1. Registration

Register the user with the system

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | users/register |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| POST  POST  POST  POST  POST  POST | firstName  lastName  username  password  type  status | string  string  string  string  string  boolean |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
|  |  |
| 403 | {"error":"API key is missing."} |
| 400 | {"error":"Please provide username."} |
| 400 | {"error":"Please provide password."} |
| 401 | {"error":"Invalid API key."} |
| 401 | {"error":"Incorrect username or password."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

Methods

## 2. login

Authenticate the user with the system and obtain the auth\_token

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | users/authenticate |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST | api\_key  username  password | string  string  string |

**api\_key**

api\_key must be sent with all client requests. The api\_key helps the server to validate the request source.

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "auth\_key": <auth\_key>  }  auth\_key (**string**) - all further API calls must have this key in header |
| 403 | {"error":"API key is missing."} |
| 400 | {"error":"Please provide username."} |
| 400 | {"error":"Please provide password."} |
| 401 | {"error":"Invalid API key."} |
| 401 | {"error":"Incorrect username or password."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 3. Get updates

Get the new updates

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **patch** | users/update |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST  POST | auth\_key  firstName  lastName  username | string  string  string  string |

**auth\_key**

The auth\_key that was given in response to /users/login

**version**

The current version of internal recipe database. Each time when updates are pulled from the server through the web service, the internal database version is incremented.

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **Response will be an object containing the list of recipes (array)**  **Each item in the this array has the following structure.**  {    "firstName": Rajendra ,  "lastName": "Verma",  "username":smythraj@gmail.com,    }, |
| 400 | {"error":"Please specify database version."} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid API key."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 4. Deletions

Delete the users from database by using Id of the user

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | users/:id || (users/id) |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST | auth\_key  version(id) | string  number |

**version**

The current version of internal database. Each time when updates are pulled from the API, the internal database version increases.

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An array containing the ID’s of recipes to delete is given**  Example response:-  {"deletions":[10,11,40], "version":"5"} |
| 400 | {"error":"Please specify database version."} |
| 400 | {"error":"Invalid database version."} |
| 401 | {"error":"Invalid Auth key."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 5. Get current logins (getById)

Get more information on a particular structures

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | users/id |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  URL\_PARAM | auth\_key  <req.params.id> | string  number |

**recipe\_id**

Id of the recipe you want the image of.

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **Get current logins** |
| 400 | {"error":"Please provide recipe\_id."} |
| 400 | {"error":"Invalid recipe\_id."} |
| 401 | {"error":"Invalid Auth key."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 5. Employee Managements & Services

Get more information on an Employee given below

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | employee/ employee |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST  POST POST  POST  POST  POST POST  POST  POST  POST POST  POST  POST  POST  POST  POST | auth\_key  pTitle  pBody  firstName  lastName  profile  designation  email gender  birthDate  mobNo  officeNo  experience  highestDeegree  dateOfJoining  address  workExperiences  education | string  string  string  string  string  string  string  string  string  string  string  string  string  string  string  string  string  string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **An array containing the ID’s of employees**  Example response:- |
| 400 | {"error":"Please provide recipe\_id."} |
| 400 | {"error":"Invalid recipe\_id."} |
| 401 | {"error":"Invalid Auth key."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 4. Notifications

Get more information on an Notifications given below

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | notification/notification |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| POST  POST  POST POST | id  date  body  title | string  string  string  string |

Glossary

## Conventions

* **Client** - Client application.
* **Status** - HTTP status code of response.
* All the possible responses are listed under ‘Responses’ for each method. Only one of them is issued per request server.
* All response are in JSON format.
* All request parameters are mandatory unless explicitly marked as [optional]
* The type of values accepted for a *request* parameter are shown the the values column like this [**10**|<any number>] .The | symbol means *OR*. If the parameter is [optional], the default value is shown in blue bold text, as **10** is written in [**10**|<any number>].

## Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

2XX - Success of some kind

4XX - Error occurred in client’s part

5XX - Error occurred in server’s part

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| 200 | OK |
| 201 | Created |
| 202 | Accepted (Request accepted, and queued for execution) |
| 400 | Bad request |
| 401 | Authentication failure |
| 403 | Forbidden |
| 404 | Resource not found |
| 405 | Method Not Allowed |
| 409 | Conflict |
| 412 | Precondition Failed |
| 413 | Request Entity Too Large |
| 500 | Internal Server Error |
| 501 | Not Implemented |
| 503 | Service Unavailable |