**API Specification Doc**

**(*School Management App*)**

Index

[1. login](#_bit7idv2ancx)

[Request](#_kd6tjl5w5wjo)

[Response](#_8b7ijrpuamb8)

[2. get updates](#_9t094e45sg90)

[Request](#_38pypefkb82)

[Response](#_47awg09ehquu)

[3. deletions](#_9mc75gzfq3m3)

[Request](#_xtszbus9yomc)

[Response](#_xuhh3y4ufz7)

4. get data

[Request](#_iaps2dh7l2m2)

[Response](#_fvf6lulvf6wv)

[Codes](#_of6ke88xwee4)

Methods

## 1. login

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

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **Get** | api/login/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST  POST | object  username  password | **application/json**  string  string |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | {  "Id": “string”,  "email": “string”,  "type": “string”, ex: (superAdmin,admin,student,employe)  } |
| 403 | {"error":"data is missing."} |
| 400 | {"error":"Please provide username."} |
| 400 | {"error":"Please provide password."} |
| 401 | {"error":"Incorrect username or password."} |
| 404 | {"error":"Network error."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 

## 2. Add School(Only Super admin register)

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/addSchool/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| HEAD  POST | object  {  school\_name:string,  school\_id:int,  owner\_name:string,  school\_email:string,  school\_pass:string,  amount:int  } | **application/json**  object |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **School Created** **Successfully** |
| 400 | {"error":"Please specify database version."} |
| 403 | {"error":"data is missing."} |
| 400 | {"error":"Please provide username."} |
| 404 | {"error":"Network error."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 3. Get/Delete Schools

Get more information on a particular recipe

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **GET** | api/getSchool |
| **DELETE** | api/deleteSchool/<school\_id> |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| Get | null | null |
| DELETE | <school\_id> | int |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **(Get) -> An object containing the data of all school**  Example response:-  {  school\_name:string,  school\_id:int,  owner\_name:string,  school\_email:string,  school\_pass:string,  amount:int  } |
| 200 | **(Delete) -> School deleted Successfully** |
| 400 | {"error":"Please specify database version."} |
| 403 | {"error":"data is missing."} |
| 404 | {"error":"Network error."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 4. Add New Student

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/addSchool/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| POST | {  Gr#:int,  Student\_info:{...},  Father\_info:{...}  } | object |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | Student Created Successfully |
| 400 | {"error":"Please specify database version."} |
| 403 | {"error":"data is missing."} |
| 404 | {"error":"Network error."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 5. Add New Employee

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/addEmployee/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| POST | {  Employee\_id:int,  Employee\_info:{...}  } | object |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | Employee Created Successfully |
| 400 | {"error":"Please specify database version."} |
| 403 | {"error":"data is missing."} |
| 404 | {"error":"Network error."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 6. Receipt Voucher

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/receiptVoucher/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| POST | {  month:string,  date:string,  student\_info{},  } | object |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | Fee Submitted Successfully |
| 400 | {"error":"Please specify database version."} |
| 403 | {"error":"data is missing."} |
| 404 | {"error":"Network error."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

## 7.Daily Expenses

## Request

|  |  |
| --- | --- |
| **Method** | **URL** |
| **POST** | api/dailyExpenses/ |
| **GET** | Api/getDailyExpenses/ |

|  |  |  |
| --- | --- | --- |
| **Type** | **Params** | **Values** |
| POST | {  title:string,  description:string,  amount:int  } | object |
| GET | null | null |

## Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | **(Post)-> Submitted** |
| 200 | **(Get) -> An object containing the data of daily expenses**  Example response:-  {  title:string,  description:string,  amount:int  } |
| 400 | {"error":"Please specify database version."} |
| 403 | {"error":"data is missing."} |
| 404 | {"error":"Network error."} |
| 500 | {"error":"Something went wrong. Please try again later."} |

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 |