No	Name
1	Abraham
2	Drago
3	Bill
4	Bernard

API Documentation

Get All Students

Description: This endpoint retrieves all student details, including their bio data, payment information, and financial status. It also provides aggregate data like total outstanding balances, total payments, and total expected fees for all students.

Endpoint: *http://localhost:7001/api/students/getstudents*
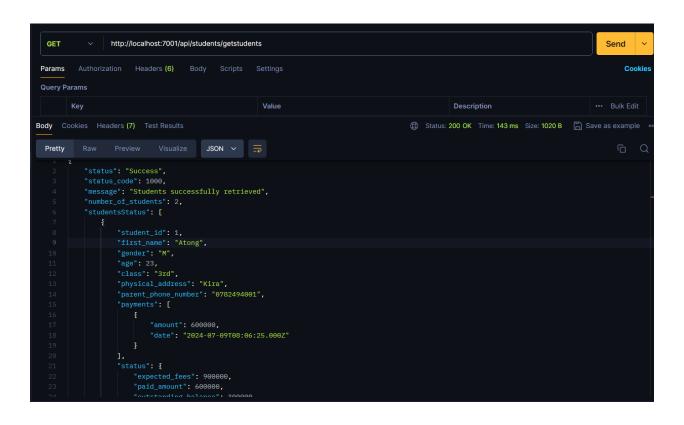
Method: GET

Parameters

- This endpoint does not require any query parameters.

Response

- **Success Response:**
  - **Status**: 200 OK

  - **Body**:

GET ∨   http://localhost:7001/api/students/getstudents   Send ∨

Params   Authorization   Headers (6)   Body   Scripts   Settings   Cookies

Query Params

	Key	Value	Description	··· Bulk Edit

Body   Cookies   Headers (7)   Test Results   Status: 200 OK   Time: 143 ms   Size: 1020 B   Save as example

Pretty   Raw   Preview   Visualize   JSON ∨

2   "status": "Success",
3   "status_code": 1000,
4   "message": "Students successfully retrieved",
5   "number_of_students": 2,
6   "studentsStatus": [
7   {
8   "student_id": 1,
9   "first_name": "Atong",
10   "gender": "M",
11   "age": 23,
12   "class": "3rd",
13   "physical_address": "Kira",
14   "parent_phone_number": "0782494001",
15   "payments": [
16   {
17   "amount": 600000,
18   "date": "2024-07-09T08:06:25.000Z"
19   }
20   ],
21   "status": {
22   "expected_fees": 900000,
23   "paid_amount": 600000,
24   "outstanding_balance": 300000

GET ∨   http://localhost:7001/api/students/getstudents   Send ∨

Params   Authorization   Headers (6)   Body   Scripts   Settings   Cookies

Body   Cookies   Headers (7)   Test Results   Status: 200 OK   Time: 143 ms   Size: 1020 B   Save as example

Pretty   Raw   Preview   Visualize   JSON ∨

25   }
26   },
27   {
28   "student_id": 2,
29   "first_name": "Abraham",
30   "gender": "M",
31   "age": 0,
32   "class": "p7",
33   "physical_address": "Makerere",
34   "parent_phone_number": "o782492994",
35   "payments": [
36   {
37   "amount": 500000,
38   "date": "2024-07-09T08:06:25.000Z"
39   }
40   ],
41   "status": {
42   "expected_fees": 900000,
43   "paid_amount": 500000,
44   "outstanding_balance": 400000
45   }
46   }
47   ],
48   "totalOutstandingBalances": 700000,
49   "totalPayments": 1100000,
50   "totalExpectedFees": 1800000
51   }

Error Response:

```json
{
  "error": "Internal server error"
}
```

Detailed Explanation

Request

Method: GET

URL: http://localhost:7001/api/students/getstudents

Headers: None required

Body: None

Response

Status: 200 OK on success, 500 Internal Server Error on failure

Fields:

status: A string indicating the status of the request.

status_code: A numerical code representing the status of the request.

message: A string message indicating the result of the request.

number_of_students: The total number of students retrieved.

studentsStatus: An array of student objects, each containing:

student_id: The ID of the student.

first_name: The first name of the student.

gender: The gender of the student.

age: The age of the student.

class: The class of the student.

physical_address: The physical address of the student.

parent_phone_number: The phone number of the student's parent.

payments: An array of payment objects, each containing:

amount: The amount of the payment.

date: The date of the payment.

status: An object containing:

expected_fees: The expected fees for the student.

paid_amount: The total amount paid by the student.

outstanding_balance: The outstanding balance for the student.

totalOutstandingBalances: The total outstanding balances of all students.

totalPayments: The total payments made by all students.

totalExpectedFees: The total expected fees for all students.

• Each student object includes:

- `student_id`: Unique identifier of the student.
- `first_name`, `gender`, `age`, `class`, `physical_address`, `parent_phone_number`: Basic information about the student.
- `payments`: Array of payments made by the student, each containing `amount` and `date`.
- `status`: Financial status of the student including `expected_fees`, `paid_amount`, and `outstanding_balance`.

• Additionally, provides aggregated data:

- `number_of_students`: Total count of students.

- `totalOutstandingBalances`: Sum of outstanding balances across all students.
- `totalPayments`: Total sum of payments made by all students.
- `totalExpectedFees`: Total expected fees across all students.