

Student Module API Documentation

1. Create Students:

- Method: POST
- Endpoint: /students
- Request Body:

```
1  {
2    "firstName": "Joshua",
3    "lastName": "Resarre",
4    "email": "joshua@gmail.com",
5    "enrollmentDate": "2025-01-11"
6  }
```

- Response:

```
1  {
2    "id": 1,
3    "firstName": "Joshua",
4    "lastName": "Resarre",
5    "email": "joshua@gmail.com",
6    "enrollmentDate": "2025-01-11",
7    "createdAt": "2025-01-11T14:24:48.000Z",
8    "updatedAt": "2025-01-11T14:24:48.000Z"
9  }
```

When an email already exists or missing a required field it will output this response:

```
1  {
2    "statusCode": 400,
3    "message": "Email already exists"
4  }
```

```
1  {
2    "statusCode": 400,
3    "message": "Missing required fields: lastName"
4  }
```

2. Get All Students

- **Method:** GET
- **Endpoint:** /students
- **Response:**
 - **Status:** 200 OK
 - **Body:**

```
1  [  
2    {  
3      "id": 1,  
4      "firstName": "Joshua",  
5      "lastName": "Resarre",  
6      "email": "joshua@gmail.com",  
7      "enrollmentDate": "2025-01-11",  
8      "createdAt": "2025-01-11T14:24:48.000Z",  
9      "updatedAt": "2025-01-11T14:24:48.000Z"  
10   },  
11   {  
12     "id": 2,  
13     "firstName": "Mark",  
14     "lastName": "Resarre",  
15     "email": "mark@gmail.com",  
16     "enrollmentDate": "2025-01-11",  
17     "createdAt": "2025-01-11T14:25:54.000Z",  
18     "updatedAt": "2025-01-11T14:25:54.000Z"  
19   }  
20 ]
```

3. Get a Single Student

- **Method:** GET
- **Endpoint:** /students/:id
- **Response:**
 - **Status:** 200 OK
 - **Body:**

```
1  {  
2    "id": 2,  
3    "firstName": "Mark",  
4    "lastName": "Resarre",  
5    "email": "mark@gmail.com",  
6    "enrollmentDate": "2025-01-11",  
7    "createdAt": "2025-01-11T14:25:54.000Z",  
8    "updatedAt": "2025-01-11T14:25:54.000Z"  
9  }
```

4. Update a student info using PUT Method

- **Method:** PUT
- **Endpoint:** /students/:id
- **Request Body:**

```
1  {
2    "firstName": "Markus",
3    "lastName": "Resarre",
4    "email": "markus@gmail.com",
5    "enrollmentDate": "2025-01-11"
6  }
```

- **Response:**
 - **Status:** 200 OK
 - **Body:**

```
1  {
2    "id": 2,
3    "firstName": "Markus",
4    "lastName": "Resarre",
5    "email": "markus@gmail.com",
6    "enrollmentDate": "2025-01-11",
7    "createdAt": "2025-01-11T14:25:54.000Z",
8    "updatedAt": "2025-01-11T14:46:42.000Z"
9  }
```

When one of the required fields is missing it will output this response:

```
1  {
2    "statusCode": 400,
3    "message": "Column 'lastName' cannot be null"
4  }
```

5. Update a student using PATCH Method

- **Method:** PATCH
- **Endpoint:** /students/:id
- **Request Body:**

```
1  {
2    "firstName": "Mark",
3    "email": "markus@gmail.com",
4    "enrollmentDate": "2025-01-11"
5  }
```

- **Response:**
 - **Status:** OK 200
 - **Body:**

```
1  {
2    "id": 2,
3    "firstName": "Mark",
4    "lastName": "Resarre",
5    "email": "markus@gmail.com",
6    "enrollmentDate": "2025-01-11",
7    "createdAt": "2025-01-11T14:25:54.000Z",
8    "updatedAt": "2025-01-11T14:58:21.000Z"
9  }
```

Even though the lastName field is missing which is required, it still output a response.

6. Deleting a student record

- **Method:** DELETE
- **Endpoint:** students/:id
- **Response:**
 - **Status:** 200 OK
 - **Body:**

```
1  {
2    "message": "Successfully deleted student with ID 2",
3    "deletedStudent": {
4      "firstName": "Markus",
5      "lastName": "Resarre",
6      "email": "mark@gmail.com",
7      "enrollmentDate": "2025-01-11",
8      "createdAt": "2025-01-11T14:25:54.000Z",
9      "updatedAt": "2025-01-11T15:06:32.000Z"
10   }
11 }
```