# AI Learning Assistant API

## Overview

This API intended to deploy on aws API Gateway

## Version information

*Version* : 1.0.0

## URI scheme

*BasePath* : /prod
*Schemes* : HTTPS

## Security

### instructorAuthorizer

*Type* : apiKey
*Name* : Authorization
*In* : HEADER

### adminAuthorizer

*Type* : apiKey
*Name* : Authorization
*In* : HEADER

### studentAuthorizer

*Type* : apiKey
*Name* : Authorization
*In* : HEADER

## Paths

### GET /admin/courseInstructors

**Parameters**

| Type | Name | Schema |
|---|---|---|
| Query | **course_id**<br>*required* | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **500** | 500 response | No Content |

## Produces

- `application/json`

## Security

| Type | Name |
|---|---|
| **apiKey** | **adminAuthorizer** |

## Example HTTP response

**Response 200**

```
[ {
  "user_email" : "instructor@example.com",
  "first_name" : "John",
  "last_name" : "Doe"
}, {
  "user_email" : "instructor2@example.com",
  "first_name" : "Jane",
  "last_name" : "Smith"
} ]
```

**Response 400**

```
{
  "error" : "course_id is required"
}
```

**Response 500**

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

# GET /admin/courses

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | 200 response | No Content |
| **500** | 500 response | No Content |

## Security

| Type | Name |
|------|------|
| **apiKey** | **adminAuthorizer** |

## Example HTTP response

### Response 200

```
[ {
  "course_id" : "1a2b3c4d-5e6f-7g8h-9i0j-k1l2m3n4o5p6",
  "course_name" : "Introduction to Computer Science",
  "course_department" : "CS",
  "course_number" : "101",
  "course_access_code" : "CS1012024",
  "course_student_access" : true
}, {
  "course_id" : "2b3c4d5e-6f7g-8h9i-0j1k-l2m3n4o5p6q",
  "course_name" : "Data Structures",
  "course_department" : "CS",
  "course_number" : "201",
  "course_access_code" : "CS2012024",
  "course_student_access" : true
} ]
```

### Response 500

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

# POST /admin/create_course

## Parameters

| Type | Name | Schema |
|------|------|--------|
| Query | **course_access_code**<br>*required* | string |
| Query | **course_department**<br>*required* | string |
| Query | **course_name**<br>*required* | string |
| Query | **course_number**<br>*required* | string |
| Query | **course_student_access**<br>*required* | string |
| Body | **MODEL547ffe**<br>*required* | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **500** | 500 response | No Content |

## Consumes

- application/json

## Produces

- application/json

## Security

| Type | Name |
|------|------|
| **apiKey** | **adminAuthorizer** |

# DELETE /admin/delete_course

## Parameters

| Type | Name | Schema |
|------|------|--------|
| Query | **course_id** *required* | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **500** | 500 response | No Content |

## Produces

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **adminAuthorizer** |

# DELETE /admin/delete_course_instructor_enrolments

## Parameters

| Type | Name | Schema |
|------|------|--------|
| Query | **course_id** *required* | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **500** | 500 response | No Content |

## Produces

- `application/json`

## Security

| Type | Name |
|------|------|
| apiKey | adminAuthorizer |

# DELETE /admin/delete_instructor_enrolments

## Parameters

| Type | Name | Schema |
|------|------|--------|
| Query | instructor_email<br>*required* | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **500** | 500 response | No Content |

## Produces

- application/json

## Security

| Type | Name |
|------|------|
| apiKey | adminAuthorizer |

# POST /admin/elevate_instructor

## Parameters

| Type | Name | Schema |
|------|------|--------|
| Query | email<br>*required* | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | 200 response | No Content |
| **201** | 201 response | No Content |
| **400** | 400 response | No Content |
| **500** | 500 response | No Content |

## Produces

- `application/json`

## Security

| Type | Name |
|---|---|
| **apiKey** | **adminAuthorizer** |

## Example HTTP response

**Response 200**

```
{
  "message" : "No changes made. User is already an instructor or admin."
}
```

**Response 201**

```
{
  "message" : "New user created and elevated to instructor."
}
```

**Response 400**

```
{
  "error" : "Email is required"
}
```

**Response 500**

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

# POST /admin/enroll_instructor

## Parameters

| Type | Name | Schema |
|------|------|--------|
| Body | **body** <br> *required* | body |

## body

| Name | Description | Schema |
|------|-------------|--------|
| **course_id** <br> *required* | The ID of the course to enroll the instructor in. | string |
| **instructor_em ail** <br> *required* | The email of the instructor to enroll. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Instructor enrolled and modules created successfully. | No Content |
| **400** | 400 response | No Content |
| **500** | 500 response | No Content |

## Consumes

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **adminAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "message" : "Instructor enrolled and modules created successfully."
}
```

**Response 400**

```
{
  "error" : "Instructor email not found"
}
```

**Response 500**

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

# GET /admin/instructorCourses

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **instructor_em ail** *required* | Email of the instructor to fetch their courses. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | List of courses for the specified instructor. | < Response 200 > array |
| **400** | Bad request if instructor_email is not provided. | No Content |
| **500** | Internal server error if something goes wrong. | No Content |

**Response 200**

| Name | Description | Schema |
|------|-------------|--------|
| **course_depart ment** *optional* | Department of the course. | string |
| **course_id** *optional* | Unique identifier for the course. | string |
| **course_name** *optional* | Name of the course. | string |

| Name | Description | Schema |
|---|---|---|
| **course_numb er** *optional* | Course number. | string |

## Produces

- `application/json`

## Security

| Type | Name |
|---|---|
| **apiKey** | **adminAuthorizer** |

## Example HTTP response

### Response 200

```
[ {
  "course_id" : "course-1",
  "course_name" : "Introduction to Computer Science",
  "course_department" : "CS",
  "course_number" : "101"
}, {
  "course_id" : "course-2",
  "course_name" : "Data Structures",
  "course_department" : "CS",
  "course_number" : "201"
} ]
```

### Response 400

```
{
  "error" : "instructor_email is required"
}
```

### Response 500

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

# GET /admin/instructors

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **instructor_email** *required* | Email of the instructor to filter the results. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | List of instructors retrieved successfully. | < Response 200 > array |
| **400** | Bad request if instructor_email is not provided. | No Content |
| **401** | Unauthorized if the user does not have the required permissions. | No Content |
| **429** | Too many requests if the rate limit is exceeded. | No Content |
| **500** | Internal server error if something goes wrong. | No Content |

**Response 200**

| Name | Description | Schema |
|------|-------------|--------|
| **first_name** *optional* | First name of the instructor. | string |
| **last_name** *optional* | Last name of the instructor. | string |
| **user_email** *optional* | Email of the instructor. | string |

## Produces

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **adminAuthorizer** |

## Example HTTP response

**Response 200**

```json
[ {
    "user_email" : "instructor1@example.com",
    "first_name" : "John",
    "last_name" : "Doe"
}, {
    "user_email" : "instructor2@example.com",
    "first_name" : "Jane",
    "last_name" : "Smith"
} ]
```

**Response 400**

```json
{
    "error" : "instructor_email is required"
}
```

**Response 401**

```json
{
    "error" : "Unauthorized access"
}
```

**Response 429**

```json
{
    "error" : "Too many requests"
}
```

**Response 500**

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

# POST /admin/lower_instructor

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **email** *required* | Email of the user to lower from instructor to student. | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | User role updated successfully. | Response 200 |
| **400** | Bad request if the email parameter is missing or the user is not an instructor. | Response 400 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

### Response 200

| Name | Description | Schema |
|---|---|---|
| **message** *optional* | Success message indicating the user role update. | string |

### Response 400

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the issue. | string |

### Response 500

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating an internal server error. | string |

## Produces

- `application/json`

## Security

| Type | Name |
|---|---|
| **apiKey** | **adminAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "message" : "User role updated to student for instructor@example.com and all
instructor enrolments deleted."
}
```

**Response 400**

```
{
  "error" : "User is not an instructor or doesn't exist"
}
```

**Response 500**

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

# POST /admin/updateCourseAccess

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **access** *required* | Boolean string to set course access; use 'true' or 'false'. | string |
| **Query** | **course_id** *required* | The ID of the course whose access is being updated. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Course access updated successfully. | Response 200 |
| **400** | Bad request if course_id or access parameters are missing. | Response 400 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 200**

| Name | Description | Schema |
|------|-------------|--------|
| **message** *optional* | Success message indicating course access was updated. | string |

**Response 400**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating the issue. | string |

**Response 500**

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Error message indicating an internal server error. | string |

## Produces

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **adminAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "message" : "Course access updated successfully."
}
```

### Response 400

```
{
  "error" : "course_id and access query parameters are required"
}
```

### Response 500

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

# GET /instructor/analytics

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **course_id**<br>*required* | The ID of the course for which analytics data is being requested. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully retrieved analytics data for the specified course. | < Response 200 > array |
| **400** | Bad request if course_id parameter is missing. | Response 400 |
| **401** | Unauthorized access if the user does not have instructor privileges. | Response 401 |
| **429** | Too many requests if the rate limit is exceeded. | Response 429 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

### Response 200

| Name | Description | Schema |
|------|-------------|--------|
| **access_count** *optional* | The count of times the module has been accessed. | integer |
| **average_score** *optional* | The average score of students for the module. | number (float) |
| **concept_number** *optional* | The number associated with the concept. | integer |
| **message_count** *optional* | The count of messages associated with the module. | integer |
| **module_id** *optional* | The ID of the module. | string |
| **module_name** *optional* | The name of the module. | string |
| **module_number** *optional* | The number associated with the module. | integer |
| **perfect_score_percentage** *optional* | The percentage of students who achieved a perfect score. | number (float) |

### Response 400

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating the missing course_id. | string |

### Response 401

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating unauthorized access. | string |

**Response 429**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating rate limit exceeded. | string |

**Response 500**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating an internal server error. | string |

## Security

| Type | Name |
|------|------|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

**Response 200**

```
[ {
  "module_id" : "abc123",
  "module_name" : "Introduction to Programming",
  "concept_number" : 1,
  "module_number" : 1,
  "message_count" : 10,
  "access_count" : 50,
  "average_score" : 85.5,
  "perfect_score_percentage" : 20.0
}, {
  "module_id" : "def456",
  "module_name" : "Data Structures",
  "concept_number" : 2,
  "module_number" : 2,
  "message_count" : 5,
  "access_count" : 30,
  "average_score" : 90.0,
  "perfect_score_percentage" : 30.0
} ]
```

**Response 400**

```
{
  "error" : "course_id is required"
}
```

**Response 401**

```
{
  "error" : "Unauthorized access"
}
```

**Response 429**

```
{
  "error" : "Too many requests, please try again later."
}
```

**Response 500**

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

# GET /instructor/courses

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **email** *required* | The email of the instructor whose courses are being requested. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully retrieved courses for the specified instructor. | < Response 200 > array |
| **400** | Bad request if the email parameter is missing. | Response 400 |
| **401** | Unauthorized access if the user does not have instructor privileges. | Response 401 |
| **429** | Too many requests if the rate limit is exceeded. | Response 429 |

| HTTP Code | Description | Schema |
|---|---|---|
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 200**

| Name | Description | Schema |
|---|---|---|
| **course_description** <br> *optional* | A brief description of the course. | string |
| **course_end_date** <br> *optional* | The end date of the course. | string (date) |
| **course_id** <br> *optional* | The ID of the course. | string |
| **course_name** <br> *optional* | The name of the course. | string |
| **course_start_date** <br> *optional* | The start date of the course. | string (date) |

**Response 400**

| Name | Description | Schema |
|---|---|---|
| **error** <br> *optional* | Error message indicating the missing email. | string |

**Response 401**

| Name | Description | Schema |
|---|---|---|
| **error** <br> *optional* | Error message indicating unauthorized access. | string |

**Response 429**

| Name | Description | Schema |
|---|---|---|
| **error** <br> *optional* | Error message indicating rate limit exceeded. | string |

**Response 500**

| Name | Description | Schema |
|---|---|---|
| **error** <br> *optional* | Error message indicating an internal server error. | string |

## Security

| Type | Name |
|------|------|
| apiKey | **instructorAuthorizer** |

## Example HTTP response

### Response 200

```
[ {
  "course_id" : "c123",
  "course_name" : "Introduction to Computer Science",
  "course_description" : "An introductory course on computer science principles.",
  "course_start_date" : "2024-01-15",
  "course_end_date" : "2024-05-15"
}, {
  "course_id" : "c456",
  "course_name" : "Advanced Algorithms",
  "course_description" : "A course focused on advanced algorithmic techniques.",
  "course_start_date" : "2024-02-01",
  "course_end_date" : "2024-06-01"
} ]
```

### Response 400

```
{
  "error" : "email is required"
}
```

### Response 401

```
{
  "error" : "Unauthorized"
}
```

### Response 429

```
{
  "error" : "Too many requests, please try again later."
}
```

### Response 500

```
{
```

```
    "error" : "Internal server error"
  }
```

# POST /instructor/create_concept

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **concept_number** *required* | The number associated with the concept being created. | string |
| Query | **course_id** *required* | The ID of the course to which the concept belongs. | string |
| Body | **concept** *required* | | [concept](concept) |

**concept**

| Name | Description | Schema |
|------|-------------|--------|
| **concept_name** *required* | The name of the concept being created. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **201** | Successfully created a new concept. | Response 201 |
| **400** | Bad request if required parameters are missing or invalid. | Response 400 |
| **401** | Unauthorized access if the user does not have instructor privileges. | Response 401 |
| **429** | Too many requests if the rate limit is exceeded. | Response 429 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 201**

| Name | Description | Schema |
|------|-------------|--------|
| **message** *optional* | Confirmation message of successful creation. | string |

**Response 400**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

### Response 401

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating unauthorized access. | string |

### Response 429

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating rate limit exceeded. | string |

### Response 500

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating an internal server error. | string |

## Consumes

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

### Response 201

```
{
  "message" : "Concept created successfully"
}
```

### Response 400

```
{
  "error" : "concept_name is required"
}
```

**Response 401**

```
{
  "error" : "Unauthorized access"
}
```

**Response 429**

```
{
  "error" : "Too many requests, please try again later."
}
```

**Response 500**

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

# POST /instructor/create_module

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **concept_id** *required* | The ID of the concept to which the module belongs. | string |
| **Query** | **course_id** *required* | The ID of the course in which the module will be created. | string |
| **Query** | **instructor_email** *required* | The email of the instructor creating the module. | string |
| **Query** | **module_name** *required* | The name of the module being created. | string |
| **Query** | **module_number** *required* | The number associated with the module being created. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **201** | Module created successfully. | Response 201 |

| HTTP Code | Description | Schema |
|---|---|---|
| **400** | Bad request if required parameters are missing or invalid. | Response 400 |
| **401** | Unauthorized access if the user does not have instructor privileges. | Response 401 |
| **429** | Too many requests if the rate limit is exceeded. | Response 429 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 201**

| Name | Description | Schema |
|---|---|---|
| **concept_id** *optional* | The ID of the concept associated with the module. | string |
| **module_id** *optional* | The ID of the newly created module. | string |
| **module_name** *optional* | The name of the newly created module. | string |
| **module_number** *optional* | The number of the newly created module. | string |

**Response 400**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 401**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating unauthorized access. | string |

**Response 429**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating rate limit exceeded. | string |

**Response 500**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating an internal server error. | string |

## Security

| Type | Name |
|------|------|
| apiKey | **instructorAuthorizer** |

## Example HTTP response

### Response 201

```
{
  "module_id" : "uuid-of-module",
  "concept_id" : "uuid-of-concept",
  "module_name" : "New Module Name",
  "module_number" : "1"
}
```

### Response 400

```
{
  "error" : "course_id, concept_id, module_name, module_number, or instructor_email is
missing"
}
```

### Response 401

```
{
  "error" : "Unauthorized access"
}
```

### Response 429

```
{
  "error" : "Too many requests, please try again later."
}
```

### Response 500

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

# DELETE /instructor/delete_concept

## Parameters

| Type | Name | Schema |
|------|------|--------|
| Query | **concept_id**<br>*required* | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **401** | 401 response | No Content |
| **429** | 429 response | No Content |
| **500** | 500 response | No Content |

## Security

| Type | Name |
|------|------|
| **apiKey** | **instructorAuthorizer** |

# DELETE /instructor/delete_file

## Parameters

| Type | Name | Schema |
|------|------|--------|
| **Query** | **course_id**<br>*required* | string |
| **Query** | **file_name**<br>*required* | string |
| **Query** | **file_type**<br>*required* | string |
| **Query** | **module_id**<br>*required* | string |
| **Query** | **module_name**<br>*required* | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **401** | 401 response | No Content |
| **429** | 429 response | No Content |
| **500** | 500 response | No Content |

## Security

| Type | Name |
|---|---|
| **apiKey** | **instructorAuthorizer** |

# DELETE /instructor/delete_module

## Parameters

| Type | Name | Schema |
|---|---|---|
| **Query** | **module_id** *required* | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **401** | 401 response | No Content |
| **429** | 429 response | No Content |
| **500** | 500 response | No Content |

## Security

| Type | Name |
|---|---|
| **apiKey** | **instructorAuthorizer** |

# DELETE /instructor/delete_module_s3

## Parameters

| Type | Name | Schema |
|------|------|--------|
| Query | **course_id**<br>*required* | string |
| Query | **module_id**<br>*required* | string |
| Query | **module_name**<br>*required* | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **401** | 401 response | No Content |
| **429** | 429 response | No Content |
| **500** | 500 response | No Content |

## Security

| Type | Name |
|------|------|
| **apiKey** | **instructorAuthorizer** |

# DELETE /instructor/delete_student

## Parameters

| Type | Name | Schema |
|------|------|--------|
| Query | **course_id**<br>*required* | string |
| Query | **instructor_email**<br>*required* | string |
| Query | **user_email**<br>*required* | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **401** | 401 response | No Content |
| **404** | 404 response | No Content |
| **429** | 429 response | No Content |
| **500** | 500 response | No Content |

## Security

| Type | Name |
|------|------|
| **apiKey** | **instructorAuthorizer** |

# PUT /instructor/edit_concept

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **concept_id** *required* | The ID of the concept to be edited. | string |
| **Query** | **concept_number** *required* | The updated number for the concept. | string |
| **Body** | **MODELa97a46** *required* | The updated concept name in the request body. | MODELa97a46 |

**MODELa97a46**

| Name | Description | Schema |
|------|-------------|--------|
| **concept_name** *required* | The updated name for the concept. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Concept updated successfully. | Response 200 |

| HTTP Code | Description | Schema |
|---|---|---|
| **400** | Bad request if required parameters or body data are missing or invalid. | Response 400 |
| **401** | Unauthorized access if the user does not have instructor privileges. | Response 401 |
| **404** | Concept not found if the provided concept ID does not exist. | Response 404 |
| **429** | Too many requests if the rate limit is exceeded. | Response 429 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 200**

| Name | Description | Schema |
|---|---|---|
| **concept_id** *optional* | The ID of the concept. | string |
| **concept_name** *optional* | The updated name of the concept. | string |
| **concept_number** *optional* | The updated number of the concept. | string |

**Response 400**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 401**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating unauthorized access. | string |

**Response 404**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the concept was not found. | string |

**Response 429**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating rate limit exceeded. | string |

## Response 500

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating an internal server error. | string |

## Consumes

- `application/json`

## Security

| Type | Name |
|---|---|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "concept_id" : "uuid-of-concept",
  "concept_name" : "Updated Concept Name",
  "concept_number" : "2"
}
```

### Response 400

```
{
  "error" : "concept_id and concept_number are required"
}
```

### Response 401

```
{
  "error" : "Unauthorized access"
}
```

### Response 404

```
{
  "error" : "Concept not found"
}
```

```
{
  "error" : "Too many requests, please try again later."
}
```

**Response 500**

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

# PUT /instructor/edit_module

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **concept_id** *required* | The ID of the concept associated with the module. | string |
| Query | **instructor_email** *required* | The email of the instructor making the edit. | string |
| Query | **module_id** *required* | The ID of the module to be edited. | string |
| Body | **MODEL456247** *required* | The updated module name in the request body. | MODEL456247 |

**MODEL456247**

| Name | Description | Schema |
|------|-------------|--------|
| **module_name** *required* | The updated name for the module. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Module updated successfully. | Response 200 |
| **400** | Bad request if required parameters or body data are missing or invalid. | Response 400 |
| **401** | Unauthorized access if the user does not have instructor privileges. | Response 401 |
| **404** | Not found if the provided module ID does not exist. | Response 404 |

| HTTP Code | Description | Schema |
|---|---|---|
| **429** | Too many requests if the rate limit is exceeded. | Response 429 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 200**

| Name | Description | Schema |
|---|---|---|
| **message** *optional* | Confirmation message indicating the module was updated. | string |

**Response 400**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 401**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating unauthorized access. | string |

**Response 404**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the module was not found. | string |

**Response 429**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating rate limit exceeded. | string |

**Response 500**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating an internal server error. | string |

## Consumes

- `application/json`

## Security

| Type | Name |
|------|------|
| apiKey | **instructorAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "message" : "Module updated successfully"
}
```

### Response 400

```
{
  "error" : "module_name is required in the body"
}
```

### Response 401

```
{
  "error" : "Unauthorized access"
}
```

### Response 404

```
{
  "error" : "Module not found"
}
```

### Response 429

```
{
  "error" : "Too many requests, please try again later."
}
```

### Response 500

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

# PUT /instructor/generate_access_code

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **course_id** *required* | The ID of the course for which to generate a new access code. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Access code generated successfully. | Response 200 |
| **400** | Bad request if course_id is missing. | Response 400 |
| **401** | Unauthorized access if the user does not have instructor privileges. | Response 401 |
| **429** | Too many requests if the rate limit is exceeded. | Response 429 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

### Response 200

| Name | Description | Schema |
|------|-------------|--------|
| **access_code** *optional* | The newly generated access code. | string |
| **message** *optional* | Confirmation message indicating the access code was generated. | string |

### Response 400

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

### Response 401

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating unauthorized access. | string |

### Response 429

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating rate limit exceeded. | string |

## Response 500

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating an internal server error. | string |

## Security

| Type | Name |
|------|------|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "message" : "Access code generated successfully",
  "access_code" : "NEWCODE123"
}
```

### Response 400

```
{
  "error" : "course_id is required"
}
```

### Response 401

```
{
  "error" : "Unauthorized access"
}
```

### Response 429

```
{
  "error" : "Too many requests, please try again later."
}
```

### Response 500

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

```
}
```

# GET /instructor/generate_presigned_url

## Parameters

| Type | Name | Schema |
|------|------|--------|
| Query | **course_id**<br>*required* | string |
| Query | **file_name**<br>*required* | string |
| Query | **file_type**<br>*required* | string |
| Query | **module_id**<br>*required* | string |
| Query | **module_name**<br>*required* | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **401** | 401 response | No Content |
| **429** | 429 response | No Content |
| **500** | 500 response | No Content |

## Produces

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **instructorAuthorizer** |

# GET /instructor/get_access_code

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **course_id**<br>*required* | The ID of the course for which to retrieve the access code. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Access code retrieved successfully. | Response 200 |
| **400** | Bad request if course_id is missing. | Response 400 |
| **401** | Unauthorized access if the user does not have instructor privileges. | Response 401 |
| **429** | Too many requests if the rate limit is exceeded. | Response 429 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 200**

| Name | Description | Schema |
|------|-------------|--------|
| **course_access_code**<br>*optional* | The access code for the specified course. | string |

**Response 400**

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Error message indicating the reason for the bad request. | string |

**Response 401**

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Error message indicating unauthorized access. | string |

**Response 429**

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Error message indicating rate limit exceeded. | string |

**Response 500**

| Name | Description | Schema |
|---|---|---|
| **error**<br>*optional* | Error message indicating an internal server error. | string |

## Security

| Type | Name |
|---|---|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

**Response 200**

```
{
  "course_access_code" : "ABC123"
}
```

**Response 400**

```
{
  "error" : "course_id is required"
}
```

**Response 401**

```
{
  "error" : "Unauthorized access"
}
```

**Response 429**

```
{
  "error" : "Too many requests, please try again later."
}
```

**Response 500**

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

# GET /instructor/get_all_files

## Parameters

| Type | Name | Schema |
|------|------|--------|
| Query | **course_id**<br>*required* | string |
| Query | **module_id**<br>*required* | string |
| Query | **module_name**<br>*required* | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **401** | 401 response | No Content |
| **429** | 429 response | No Content |
| **500** | 500 response | No Content |

## Produces

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **instructorAuthorizer** |

# GET /instructor/get_prompt

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **course_id**<br>*required* | The ID of the course for which to retrieve the system prompt. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | System prompt retrieved successfully. | [Response 200](#) |
| **400** | Bad request if course_id is missing. | [Response 400](#) |
| **401** | Unauthorized access if the user does not have instructor privileges. | [Response 401](#) |
| **404** | Not Found if the specified course does not exist. | [Response 404](#) |
| **429** | Too many requests if the rate limit is exceeded. | [Response 429](#) |
| **500** | Internal server error if something goes wrong during the operation. | [Response 500](#) |

**Response 200**

| Name | Description | Schema |
|------|-------------|--------|
| **system_prompt** *optional* | The system prompt associated with the specified course. | string |

**Response 400**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 401**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating unauthorized access. | string |

**Response 404**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating that the course was not found. | string |

**Response 429**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating rate limit exceeded. | string |

**Response 500**

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Error message indicating an internal server error. | string |

## Produces

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "system_prompt" : "This is the system prompt for the course."
}
```

### Response 400

```
{
  "error" : "course_id is missing"
}
```

### Response 401

```
{
  "error" : "Unauthorized access"
}
```

### Response 404

```
{
  "error" : "Course not found"
}
```

### Response 429

```
{
  "error" : "Too many requests, please try again later."
```

```
}
```

**Response 500**

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

# GET /instructor/previous_prompts

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **course_id** *required* | The ID of the course for which to retrieve previous prompts. | string |
| **Query** | **instructor_em ail** *required* | The email of the instructor requesting the previous prompts. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully retrieved previous prompts. | < Response 200 > array |
| **400** | Bad request if course_id or instructor_email is missing. | Response 400 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 200**

| Name | Description | Schema |
|------|-------------|--------|
| **previous_pro mpt** *optional* | The engagement details of the previous prompt. | string |
| **timestamp** *optional* | The timestamp when the prompt was created. | string (date-time) |

**Response 400**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 500**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating an internal server error. | string |

## Produces

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

### Response 200

```
[ {
  "timestamp" : "2024-09-26T12:00:00Z",
  "previous_prompt" : "What are the learning objectives for this course?"
}, {
  "timestamp" : "2024-09-25T10:30:00Z",
  "previous_prompt" : "Please provide additional resources for the assignment."
} ]
```

### Response 400

```
{
  "error" : "course_id or instructor_email query parameter is required"
}
```

### Response 500

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

# PUT /instructor/prompt

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| Query | **course_id** *required* | The ID of the course for which to update the prompt. | string |
| Query | **instructor_em ail** *required* | The email of the instructor updating the prompt. | string |
| Body | **prompt** *required* | | prompt |

**prompt**

| Name | Description | Schema |
|---|---|---|
| **prompt** *optional* | The new system prompt to be set for the course. | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | Successfully updated the prompt. | Response 200 |
| **400** | Bad request if course_id, instructor_email, or request body is missing. | Response 400 |
| **401** | Unauthorized if the instructor is not authenticated. | Response 401 |
| **404** | Not found if the course does not exist. | Response 404 |
| **429** | Too many requests if rate limits are exceeded. | Response 429 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 200**

| Name | Description | Schema |
|---|---|---|
| **course_id** *optional* | The ID of the updated course. | string |
| **system_prom pt** *optional* | The updated system prompt. | string |

**Response 400**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 401**

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Error message indicating that authorization failed. | string |

### Response 404

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Error message indicating that the course was not found. | string |

### Response 429

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Error message indicating too many requests. | string |

### Response 500

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Error message indicating an internal server error. | string |

## Consumes

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "course_id" : "course123",
  "system_prompt" : "New system prompt for the course."
}
```

### Response 400

```
{
  "error" : "course_id, instructor_email, or request body is missing"
}
```

**Response 401**

```
{
  "error" : "Unauthorized access"
}
```

**Response 404**

```
{
  "error" : "Course not found"
}
```

**Response 429**

```
{
  "error" : "Too many requests"
}
```

**Response 500**

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

# PUT /instructor/reorder_module

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **instructor_em ail** *required* | The email of the instructor making the update. | string |
| **Query** | **module_id** *required* | The ID of the module to be reordered. | string |
| **Query** | **module_numb er** *required* | The new module number for the specified module. | string |
| **Body** | **module_name** *required* | | module_name |

## module_name

| Name | Description | Schema |
|------|-------------|--------|
| **module_name** *optional* | The new name for the module. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully updated the module. | Response 200 |
| **400** | Bad request if required parameters are missing or invalid. | Response 400 |
| **401** | Unauthorized if the instructor is not authenticated. | Response 401 |
| **429** | Too many requests if rate limits are exceeded. | Response 429 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

### Response 200

| Name | Description | Schema |
|------|-------------|--------|
| **message** *optional* | Confirmation message indicating the module was updated. | string |

### Response 400

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

### Response 401

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating that authorization failed. | string |

### Response 429

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating too many requests. | string |

### Response 500

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Error message indicating an internal server error. | string |

## Consumes

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "message" : "Module updated successfully"
}
```

### Response 400

```
{
  "error" : "module_name is required in the body"
}
```

### Response 401

```
{
  "error" : "Unauthorized access"
}
```

### Response 429

```
{
  "error" : "Too many requests"
}
```

### Response 500

```
{
  "error" : "Internal server error"
```

```
        }
```

# GET /instructor/student_course

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **email** *required* | The email of the student whose courses are being retrieved. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully retrieved the student's courses. | < Response 200 > array |
| **400** | Bad request if the email parameter is missing or invalid. | Response 400 |
| **401** | Unauthorized if the instructor is not authenticated. | Response 401 |
| **404** | Not found if the user with the provided email does not exist. | Response 404 |
| **429** | Too many requests if rate limits are exceeded. | Response 429 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 200**

| Name | Description | Schema |
|------|-------------|--------|
| **course_access_code** *optional* | The access code for the course. | string |
| **course_department** *optional* | The department offering the course. | string |
| **course_id** *optional* | The unique identifier for the course. | string |
| **course_name** *optional* | The name of the course. | string |
| **course_number** *optional* | The course number. | integer |
| **course_student_access** *optional* | Indicates if the course is accessible to students. | boolean |

| Name | Description | Schema |
|---|---|---|
| **system_prom pt** *optional* | The system prompt associated with the course. | string |

**Response 400**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 401**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating that authorization failed. | string |

**Response 404**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating that the user was not found. | string |

**Response 429**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating too many requests. | string |

**Response 500**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating an internal server error. | string |

## Produces

- `application/json`

## Security

| Type | Name |
|---|---|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

**Response 200**

```json
[ {
  "course_id" : "12345",
  "course_name" : "Introduction to Programming",
  "course_department" : "Computer Science",
  "course_number" : 101,
  "course_access_code" : "ABC123",
  "course_student_access" : true,
  "system_prompt" : "This is an introductory course."
} ]
```

**Response 400**

```json
{
  "error" : "Invalid value"
}
```

**Response 401**

```json
{
  "error" : "Unauthorized access"
}
```

**Response 404**

```json
{
  "error" : "User not found"
}
```

**Response 429**

```json
{
  "error" : "Too many requests"
}
```

**Response 500**

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

# PUT /instructor/update_metadata

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **filename** *required* | The name of the file to update. | string |
| **Query** | **filetype** *required* | The type of the file. | string |
| **Query** | **module_id** *required* | The unique identifier for the module. | string |
| **Body** | **metadata** *required* | | [metadata](#) |

### metadata

| Name | Description | Schema |
|------|-------------|--------|
| **metadata** *optional* | The metadata associated with the file. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | File metadata updated successfully. | [Response 200](#) |
| **400** | Bad request if required parameters are missing. | [Response 400](#) |
| **404** | Not found if no file matches the provided criteria. | [Response 404](#) |
| **500** | Internal server error if something goes wrong during the operation. | [Response 500](#) |

### Response 200

| Name | Description | Schema |
|------|-------------|--------|
| **file_id** *optional* | The unique identifier for the file. | string |
| **filename** *optional* | The name of the updated file. | string |
| **filetype** *optional* | The type of the file. | string |
| **metadata** *optional* | The updated metadata for the file. | string |

| Name | Description | Schema |
|------|-------------|--------|
| **module_id** *optional* | The module ID to which the file is associated. | string |
| **time_uploade d** *optional* | The timestamp when the file was uploaded. | string (date-time) |

**Response 400**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 404**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating that the file was not found. | string |

**Response 500**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating an internal server error. | string |

## Consumes

- application/json

## Produces

- application/json

## Security

| Type | Name |
|------|------|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

**Response 400**

```
{
  "error" : "module_id and filename are required"
}
```

```
  }
```

**Response 404**

```
{
  "error" : "File not found"
}
```

**Response 500**

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

# GET /instructor/view_concepts

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **course_id** *required* | The unique identifier for the course to retrieve concepts from. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully retrieved the list of concepts for the specified course. | < Response 200 > array |
| **400** | Bad request if required parameters are missing. | Response 400 |
| **401** | Unauthorized if the user does not have the required permissions. | No Content |
| **429** | Too many requests if the request limit has been exceeded. | No Content |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 200**

| Name | Description | Schema |
|------|-------------|--------|
| **concept_id** *optional* | The unique identifier for the concept. | string |
| **concept_name** *optional* | The name of the concept. | string |

| Name | Description | Schema |
|---|---|---|
| **concept_num ber** *optional* | The number of the concept in the course. | integer |

**Response 400**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 500**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating an internal server error. | string |

## Security

| Type | Name |
|---|---|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

**Response 400**

```
{
   "error" : "course_id is required"
}
```

**Response 500**

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

# GET /instructor/view_modules

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Query** | **course_id** *required* | The unique identifier for the course to retrieve modules from. | string |

# Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | Successfully retrieved the list of modules for the specified course. | < Response 200 > array |
| **400** | Bad request if required parameters are missing. | Response 400 |
| **401** | Unauthorized if the user does not have the required permissions. | No Content |
| **429** | Too many requests if the request limit has been exceeded. | No Content |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 200**

| Name | Description | Schema |
|---|---|---|
| **concept_name** *optional* | The name of the concept associated with the module. | string |
| **concept_number** *optional* | The number of the concept in the course. | integer |
| **module_id** *optional* | The unique identifier for the module. | string |
| **module_name** *optional* | The name of the module. | string |
| **module_number** *optional* | The number of the module in the course. | integer |

**Response 400**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 500**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating an internal server error. | string |

# Security

| Type | Name |
|------|------|
| apiKey | **instructorAuthorizer** |

## Example HTTP response

### Response 400

```
{
  "error" : "course_id is required"
}
```

### Response 500

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

# GET /instructor/view_student_messages

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **course_id** *required* | The unique identifier for the course to retrieve messages for. | string |
| **Query** | **student_email** *required* | The email of the student whose messages are to be retrieved. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully retrieved the list of messages for the specified student in the course. | < Response 200 > array |
| **400** | Bad request if required parameters are missing. | Response 400 |
| **401** | Unauthorized if the user does not have the required permissions. | No Content |
| **404** | User not found if the provided student email does not match any records. | Response 404 |
| **429** | Too many requests if the request limit has been exceeded. | No Content |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

### Response 200

| Name | Description | Schema |
|---|---|---|
| **message_cont ent** *optional* | The content of the message. | string |
| **student_sent** *optional* | Indicates if the message was sent by the student. | boolean |
| **time_sent** *optional* | The timestamp when the message was sent. | string (date-time) |

**Response 400**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 404**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating that the user was not found. | string |

**Response 500**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating an internal server error. | string |

## Security

| Type | Name |
|---|---|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

**Response 400**

```
{
  "error" : "student_email and course_id are required"
}
```

**Response 404**

```
{
```

```
    "error" : "User not found"
  }
```

**Response 500**

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

# GET /instructor/view_students

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **course_id** <br>*required* | The unique identifier for the course to retrieve enrolled students. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully retrieved the list of students enrolled in the specified course. | < Response 200 > array |
| **400** | Bad request if required parameters are missing. | Response 400 |
| **401** | Unauthorized if the user does not have the required permissions. | No Content |
| **429** | Too many requests if the request limit has been exceeded. | No Content |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 200**

| Name | Description | Schema |
|------|-------------|--------|
| **first_name** <br>*optional* | The first name of the student. | string |
| **last_name** <br>*optional* | The last name of the student. | string |
| **user_email** <br>*optional* | The email address of the student. | string |
| **username** <br>*optional* | The username of the student. | string |

**Response 400**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 500**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating an internal server error. | string |

## Security

| Type | Name |
|---|---|
| **apiKey** | **instructorAuthorizer** |

## Example HTTP response

**Response 400**

```
{
  "error" : "course_id is required"
}
```

**Response 500**

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

# GET /student/course

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| Query | **email** *required* | The email address of the student to retrieve their enrolled courses. | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | Successfully retrieved the list of courses for the specified student. | < Course > array |

| HTTP Code | Description | Schema |
|---|---|---|
| **400** | Bad request if the email parameter is missing or invalid. | [Response 400](#) |
| **401** | Unauthorized if the user does not have the required permissions. | No Content |
| **404** | User not found if the provided email does not correspond to any user. | [Response 404](#) |
| **429** | Too many requests if the request limit has been exceeded. | No Content |
| **500** | Internal server error if something goes wrong during the operation. | [Response 500](#) |

**Response 400**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 404**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating that the user was not found. | string |

**Response 500**

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating an internal server error. | string |

# Security

| Type | Name |
|---|---|
| **apiKey** | **studentAuthorizer** |

# Example HTTP response

**Response 200**

```
[ {
  "course_id" : "course-123",
  "course_name" : "Introduction to Computer Science",
  "course_student_access" : true
}, {
  "course_id" : "course-456",
  "course_name" : "Calculus I",
  "course_student_access" : true
```

```
} ]
```

**Response 400**

```
{
  "error" : "Invalid value"
}
```

**Response 404**

```
{
  "error" : "User not found"
}
```

**Response 500**

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

# GET /student/course_page

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **course_id** *required* | The ID of the course for which the page is being retrieved. | string |
| Query | **email** *required* | The email address of the student whose course page is being retrieved. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully retrieved the course page data for the specified student. | < CourseModuleData > array |
| **400** | Bad request if the email or course_id parameter is missing or invalid. | Response 400 |
| **401** | Unauthorized if the user does not have the required permissions. | No Content |

| HTTP Code | Description | Schema |
|---|---|---|
| **404** | User not found if the provided email does not correspond to any user. | Response 404 |
| **429** | Too many requests if the request limit has been exceeded. | No Content |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

### Response 400

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

### Response 404

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating that the user was not found. | string |

### Response 500

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating an internal server error. | string |

## Security

| Type | Name |
|---|---|
| **apiKey** | **studentAuthorizer** |

## Example HTTP response

### Response 200

```
[ {
  "concept_id" : "concept-001",
  "concept_name" : "Introduction to Programming",
  "module_id" : "module-001",
  "module_name" : "Getting Started",
  "module_number" : 1,
  "student_module_id" : "student-module-001",
  "module_score" : 85,
  "last_accessed" : "2024-09-26T10:30:00Z",
  "module_context_embedding" : [ 0.5, 0.2, 0.8 ]
}, {
```

```
  "concept_id" : "concept-001",
  "concept_name" : "Introduction to Programming",
  "module_id" : "module-002",
  "module_name" : "Control Structures",
  "module_number" : 2,
  "student_module_id" : "student-module-002",
  "module_context_embedding" : [ 0.1, 0.3, 0.7 ]
} ]
```

**Response 400**

```
{
  "error" : "Invalid value"
}
```

**Response 404**

```
{
  "error" : "User not found"
}
```

**Response 500**

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

# POST /student/create_ai_message

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **course_id** *required* | The ID of the course related to the AI message. | string |
| **Query** | **email** *required* | The email address of the student sending the AI message. | string |
| **Query** | **module_id** *required* | The ID of the module related to the AI message. | string |
| **Query** | **session_id** *required* | The session ID for the current interaction. | string |
| **Body** | **message** *required* | | message |

**message**

| Name | Description | Schema |
|---|---|---|
| **message_cont ent** *required* | The content of the AI message to be created. | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | Successfully created AI message. | MessageData |
| **400** | Bad request if required parameters are missing. | Response 400 |
| **401** | Unauthorized if the user does not have the required permissions. | No Content |
| **404** | User or enrolment not found if the provided email does not correspond to any user. | Response 404 |
| **429** | Too many requests if the request limit has been exceeded. | No Content |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

### Response 400

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

### Response 404

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating that the user or enrolment was not found. | string |

### Response 500

| Name | Description | Schema |
|---|---|---|
| **error** *optional* | Error message indicating an internal server error. | string |

## Consumes

- `application/json`

## Produces

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **studentAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "message_id" : "message-001",
  "session_id" : "session-001",
  "student_sent" : false,
  "message_content" : "This is a sample AI message.",
  "time_sent" : "2024-09-26T10:30:00Z"
}
```

### Response 400

```
{
  "error" : "session_id and message_content are required"
}
```

### Response 404

```
{
  "error" : "User not found"
}
```

### Response 500

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

# POST /student/create_message

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **course_id**<br>*required* | The ID of the course related to the message. | string |

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **email** *required* | The email address of the student sending the message. | string |
| Query | **module_id** *required* | The ID of the module related to the message. | string |
| Query | **session_id** *required* | The session ID for the current interaction. | string |
| Body | **message** *required* | | message |

**message**

| Name | Description | Schema |
|------|-------------|--------|
| **message_cont ent** *required* | The content of the message to be created. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully created message. | MessageData |
| **400** | Bad request if required parameters are missing. | Response 400 |
| **401** | Unauthorized if the user does not have the required permissions. | No Content |
| **404** | User or enrolment not found if the provided email does not correspond to any user. | Response 404 |
| **429** | Too many requests if the request limit has been exceeded. | No Content |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 400**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 404**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating that the user or enrolment was not found. | string |

**Response 500**

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Error message indicating an internal server error. | string |

## Consumes

- application/json

## Produces

- application/json

## Security

| Type | Name |
|------|------|
| **apiKey** | **studentAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "message_id" : "message-002",
  "session_id" : "session-002",
  "student_sent" : true,
  "message_content" : "This is a sample message.",
  "time_sent" : "2024-09-26T10:30:00Z"
}
```

### Response 400

```
{
  "error" : "session_id and message_content are required"
}
```

### Response 404

```
{
  "error" : "User not found"
}
```

### Response 500

```
{
```

```
    "error" : "Internal server error"
  }
```

# POST /student/create_session

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **course_id** *required* | The ID of the course associated with the session. | string |
| **Query** | **email** *required* | The email address of the student creating the session. | string |
| **Query** | **module_id** *required* | The ID of the module associated with the session. | string |
| **Query** | **session_name** *required* | The name of the session to be created. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully created session. | SessionData |
| **400** | Bad request if required parameters are missing. | Response 400 |
| **401** | Unauthorized if the user does not have the required permissions. | No Content |
| **404** | User or student module not found. | Response 404 |
| **429** | Too many requests if the request limit has been exceeded. | No Content |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 400**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 404**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating that the user or student module was not found. | string |

**Response 500**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating an internal server error. | string |

## Consumes

- `application/json`

## Produces

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **studentAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "session_id" : "session-001",
  "student_module_id" : "student-module-001",
  "session_name" : "Introduction to Programming",
  "session_context_embeddings" : [ ],
  "last_accessed" : "2024-09-26T10:30:00Z"
}
```

### Response 400

```
{
  "error" : "Invalid value"
}
```

### Response 404

```
{
  "error" : "Student not found."
}
```

### Response 500

```
{
```

```
    "error" : "Internal server error"
  }
```

# POST /student/create_user

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **first_name** *optional* | The first name of the user. | string |
| **Query** | **last_name** *optional* | The last name of the user. | string |
| **Query** | **preferred_name** *optional* | The preferred name of the user. | string |
| **Query** | **user_email** *optional* | The email address of the user. | string |
| **Query** | **username** *optional* | The username of the user. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | User successfully created or updated. | UserData |
| **400** | Bad request if required parameters are missing. | Response 400 |
| **401** | Unauthorized if the user does not have the required permissions. | No Content |
| **429** | Too many requests if the request limit has been exceeded. | No Content |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

**Response 400**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 500**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating an internal server error. | string |

## Consumes

- application/json

## Produces

- application/json

## Security

| Type | Name |
|------|------|
| **apiKey** | **studentAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "user_email" : "example@mail.com",
  "username" : "student123",
  "first_name" : "John",
  "last_name" : "Doe",
  "preferred_name" : "Johnny",
  "time_account_created" : "2024-09-26T10:30:00Z",
  "roles" : [ "student" ],
  "last_sign_in" : "2024-09-26T10:30:00Z"
}
```

### Response 400

```
{
  "error" : "User data is required"
}
```

### Response 500

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

# DELETE /student/delete_last_message

## Parameters

| Type | Name | Schema |
|------|------|--------|
| Query | **session_id**<br>*required* | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **401** | 401 response | No Content |
| **429** | 429 response | No Content |
| **500** | 500 response | No Content |

## Security

| Type | Name |
|------|------|
| **apiKey** | **studentAuthorizer** |

# DELETE /student/delete_session

## Parameters

| Type | Name | Schema |
|------|------|--------|
| Query | **course_id**<br>*required* | string |
| Query | **email**<br>*required* | string |
| Query | **module_id**<br>*required* | string |
| Query | **session_id**<br>*required* | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |

| HTTP Code | Description | Schema |
|---|---|---|
| **401** | 401 response | No Content |
| **429** | 429 response | No Content |
| **500** | 500 response | No Content |

## Produces

- `application/json`

## Security

| Type | Name |
|---|---|
| **apiKey** | **studentAuthorizer** |

# POST /student/enroll_student

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Query** | **course_access _code** *required* | The access code for the course to enroll the student. | string |
| **Query** | **student_email** *required* | The email address of the student to be enrolled. | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **201** | Student enrolled successfully and modules created. | Response 201 |
| **400** | Bad request if required parameters are missing. | Response 400 |
| **404** | Not Found if the student or course access code is invalid. | Response 404 |
| **500** | Internal server error if something goes wrong during the operation. | Response 500 |

### Response 201

| Name | Description | Schema |
|---|---|---|
| **message** *optional* | Confirmation message about successful enrollment. | string |

### Response 400

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating the reason for the bad request. | string |

**Response 404**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating that the student or course was not found. | string |

**Response 500**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating an internal server error. | string |

## Produces

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **studentAuthorizer** |

## Example HTTP response

**Response 201**

```
{
  "message" : "Student enrolled and modules created successfully."
}
```

**Response 400**

```
{
  "error" : "student_email and course_access_code query parameters are required"
}
```

**Response 404**

```
{
  "error" : "Student not found."
```

```
}
```

**Response 500**

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

# GET /student/get_messages

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **session_id** *required* | The ID of the session for which messages are being retrieved. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully retrieved messages for the specified session. | < Response 200 > array |
| **400** | Bad request if session_id is not provided. | Response 400 |
| **404** | No messages found for the given session. | Response 404 |
| **500** | Internal server error if something goes wrong. | Response 500 |

**Response 200**

| Name | Description | Schema |
|------|-------------|--------|
| **message_content** *optional* | Content of the message. | string |
| **message_id** *optional* | Unique identifier for the message. | string |
| **session_id** *optional* | ID of the session associated with the message. | string |
| **student_sent** *optional* | Indicates whether the message was sent by the student. | boolean |
| **time_sent** *optional* | Timestamp when the message was sent. | string (date-time) |

**Response 400**

| Name | Description | Schema |
|---|---|---|
| **error** <br> *optional* | Error message indicating that session_id is required. | string |

**Response 404**

| Name | Description | Schema |
|---|---|---|
| **message** <br> *optional* | Message indicating that no messages were found. | string |

**Response 500**

| Name | Description | Schema |
|---|---|---|
| **error** <br> *optional* | Error message indicating an internal server error. | string |

## Produces

- `application/json`

## Security

| Type | Name |
|---|---|
| **apiKey** | **studentAuthorizer** |

## Example HTTP response

**Response 200**

```
[ {
  "message_id" : "1",
  "session_id" : "abc123",
  "student_sent" : true,
  "message_content" : "Hello, how can I help?",
  "time_sent" : "2024-09-26T10:00:00Z"
}, {
  "message_id" : "2",
  "session_id" : "abc123",
  "student_sent" : false,
  "message_content" : "Please provide more details.",
  "time_sent" : "2024-09-26T10:01:00Z"
} ]
```

**Response 400**

```
{
  "error" : "session_id is required"
}
```

**Response 404**

```
{
  "message" : "No messages found for this session."
}
```

**Response 500**

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

# GET /student/get_name

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **user_email** *required* | The email of the user whose name is being retrieved. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully retrieved the user's first name. | Response 200 |
| **400** | Bad request if user_email is not provided. | Response 400 |
| **401** | Unauthorized if the user is not authenticated. | Response 401 |
| **404** | User not found for the provided email. | Response 404 |
| **429** | Too many requests if rate limit is exceeded. | Response 429 |
| **500** | Internal server error if something goes wrong. | Response 500 |

**Response 200**

| Name | Description | Schema |
|------|-------------|--------|
| **name** *optional* | The first name of the user. | string |

**Response 400**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating that user_email is required. | string |

**Response 401**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Message indicating that authentication is required. | string |

**Response 404**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Message indicating that the user was not found. | string |

**Response 429**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Message indicating that the rate limit has been exceeded. | string |

**Response 500**

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating an internal server error. | string |

## Produces

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **studentAuthorizer** |

## Example HTTP response

**Response 200**

```
{
    "name" : "John"
```

```
}
```

**Response 400**

```
{
  "error" : "User email is required"
}
```

**Response 401**

```
{
  "error" : "Unauthorized access"
}
```

**Response 404**

```
{
  "error" : "User not found"
}
```

**Response 429**

```
{
  "error" : "Too many requests"
}
```

**Response 500**

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

# GET /student/get_user_roles

## Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Query** | **user_email** *required* | The email of the user whose roles are being retrieved. | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| 200 | Successfully retrieved the user's roles. | Response 200 |
| 400 | Bad request if user_email is not provided. | Response 400 |
| 401 | Unauthorized if the user is not authenticated. | Response 401 |
| 404 | User not found for the provided email. | Response 404 |
| 429 | Too many requests if rate limit is exceeded. | Response 429 |
| 500 | Internal server error if something goes wrong. | Response 500 |

### Response 200

| Name | Description | Schema |
|---|---|---|
| roles *optional* | Array of roles assigned to the user. | < string > array |

### Response 400

| Name | Description | Schema |
|---|---|---|
| error *optional* | Error message indicating that user_email is required. | string |

### Response 401

| Name | Description | Schema |
|---|---|---|
| error *optional* | Message indicating that authentication is required. | string |

### Response 404

| Name | Description | Schema |
|---|---|---|
| error *optional* | Message indicating that the user was not found. | string |

### Response 429

| Name | Description | Schema |
|---|---|---|
| error *optional* | Message indicating that the rate limit has been exceeded. | string |

### Response 500

| Name | Description | Schema |
|------|-------------|--------|
| **error** <br> *optional* | Error message indicating an internal server error. | string |

## Produces

- application/json

## Security

| Type | Name |
|------|------|
| **apiKey** | **studentAuthorizer** |

## Example HTTP response

**Response 200**

```
{
  "roles" : [ "student", "instructor" ]
}
```

**Response 400**

```
{
  "error" : "User email is required"
}
```

**Response 401**

```
{
  "error" : "Unauthorized access"
}
```

**Response 404**

```
{
  "error" : "User not found"
}
```

**Response 429**

```
{
  "error" : "Too many requests"
```

```
  }
```

**Response 500**

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

# GET /student/module

## Parameters

| Type | Name | Schema |
|---|---|---|
| **Query** | **course_id**<br>*required* | string |
| **Query** | **email**<br>*required* | string |
| **Query** | **module_id**<br>*required* | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **401** | 401 response | No Content |
| **429** | 429 response | No Content |
| **500** | 500 response | No Content |

## Security

| Type | Name |
|---|---|
| **apiKey** | **studentAuthorizer** |

# POST /student/text_generation

## Parameters

| Type | Name | Schema |
|---|---|---|
| **Query** | **course_id** *required* | string |
| **Query** | **module_id** *required* | string |
| **Query** | **session_id** *required* | string |
| **Query** | **session_name** *optional* | string |
| **Body** | **MODELaf067b** *required* | string |

## Responses

| HTTP Code | Description | Schema |
|---|---|---|
| **200** | 200 response | No Content |
| **400** | 400 response | No Content |
| **401** | 401 response | No Content |
| **429** | 429 response | No Content |
| **500** | 500 response | No Content |

## Consumes

- application/json

## Produces

- application/json

## Security

| Type | Name |
|---|---|
| **apiKey** | **studentAuthorizer** |

# POST /student/update_module_score

## Parameters

| Type | Name | Description | Schema |
|---|---|---|---|
| **Query** | **course_id** *required* | The ID of the course associated with the module. | string |

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| Query | **llm_verdict** *required* | The LLM verdict indicating whether the student should receive a score of 100 (true) or 0 (false). | string |
| Query | **module_id** *required* | The ID of the module for which the score is being updated. | string |
| Query | **student_email** *required* | The email of the student whose module score is being updated. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully updated the module score. | Response 200 |
| **400** | Bad request if required parameters are missing or invalid. | Response 400 |
| **404** | User or student module not found. | Response 404 |
| **500** | Internal server error if something goes wrong. | Response 500 |

### Response 200

| Name | Description | Schema |
|------|-------------|--------|
| **message** *optional* | Success message indicating that the module score was updated. | string |

### Response 400

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating that query parameters are invalid. | string |

### Response 404

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Message indicating that the user or module was not found. | string |

### Response 500

| Name | Description | Schema |
|------|-------------|--------|
| **error** *optional* | Error message indicating an internal server error. | string |

## Produces

- `application/json`

## Security

| Type | Name | |
| --- | --- | --- |
| **apiKey** | **studentAuthorizer** | |

## Example HTTP response

### Response 200

```
{
  "message" : "Module score updated successfully."
}
```

### Response 400

```
{
  "error" : "Invalid query parameters."
}
```

### Response 404

```
{
  "error" : "User not found."
}
```

### Response 500

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

# PUT /student/update_session_name

## Parameters

| Type | Name | Description | Schema |
| --- | --- | --- | --- |
| **Query** | **session_id** *required* | The ID of the session to update. | string |

| Type | Name | Description | Schema |
|------|------|-------------|--------|
| **Body** | **body**<br>*required* | The new session name to be set. | body |

**body**

| Name | Description | Schema |
|------|-------------|--------|
| **session_name**<br>*optional* | The new name for the session. | string |

## Responses

| HTTP Code | Description | Schema |
|-----------|-------------|--------|
| **200** | Successfully updated the session name. | Response 200 |
| **400** | Bad request if required parameters are missing or invalid. | Response 400 |
| **404** | Session not found. | Response 404 |
| **500** | Internal server error if something goes wrong. | Response 500 |

**Response 200**

| Name | Description | Schema |
|------|-------------|--------|
| **session_id**<br>*optional* | The ID of the updated session. | string |
| **session_name**<br>*optional* | The new name of the updated session. | string |

**Response 400**

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Error message indicating that the value is invalid. | string |

**Response 404**

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Message indicating that the session was not found. | string |

**Response 500**

| Name | Description | Schema |
|------|-------------|--------|
| **error**<br>*optional* | Error message indicating an internal server error. | string |

## Consumes

- `application/json`

## Security

| Type | Name |
|------|------|
| **apiKey** | **studentAuthorizer** |

## Example HTTP response

### Response 200

```
{
  "session_id" : "12345",
  "session_name" : "New Session Name"
}
```

### Response 400

```
{
  "error" : "Invalid value"
}
```

### Response 404

```
{
  "error" : "Session not found"
}
```

### Response 500

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