Digital Learning Strategy API ^{1.0.0} OAS 3.0

This API intended to deploy on aws API Gateway

Authorize 🔓

User endpoints accessible by the general public

POST `/user/text_generation` Generate a ~~message~~ from the LLM

Parameters

Try it out

Name	Description
session_id * required string *(query)*	ID of the session since multiple sessions can exist within a table `session_id`
user_info string *(query)*	salted info of the user `user_info`

Request body

application/json

Example Value Schema

```
{
  "message_content": "string",
```

```
      "user_role": "string"
  }
```

Responses

Code	Description	Links
200	Response with generated array and input value	*No links*

Media type

<div style="border:1px solid green; display:inline-block; padding:4px 12px; border-radius:4px;">**application/json**</div>

Controls `Accept` header.

Example Value Schema

```
{
  "session_name": "string",
  "llm_output": "string",
  "llm_verdict": "string"
}
```

Code	Description	Links
400	Bad Request	*No links*
401	Unauthorized	*No links*
429	Too Many Requests	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${TextGenLambdaDockerFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

POST `/user/create_session` Create a session for a user ^

Parameters

<div style="border:1px solid gray; display:inline-block; padding:8px 24px; border-radius:4px;">Try it out</div>

Name	Description
user_info *** required** string *(query)*	salted user info ┌─────────────────────────────┐ │ user_info │ └─────────────────────────────┘

Responses

Code	Description	Links
200	Session created	*No links*
400	Invalid value	*No links*
401	Unauthorized	*No links*
429	Too Many Requests	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${userFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

POST **/user/create_feedback** Create feedback for a user ∧

Parameters

[Try it out]

Name	Description
user_info *** required** string	salted user info

Name	Description
(query)	user_info
session_id * required string *(query)*	id of the session session_id
user_role * required string *(query)*	role of the user user_role
feedback_rating * required string *(query)*	rating of the feedback feedback_rating
feedback_description * required string *(query)*	additional details about the feedback feedback_description

Responses

Code	Description	Links
200	feedback created	*No links*
400	Invalid value	*No links*
401	Unauthorized	*No links*
429	Too Many Requests	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${userFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

GET   `/user/get_messages`   Get all messages in a session   ∧

Parameters

Try it out

Name	Description
session_id * required **string** *(query)*	The ID of the session `session_id`

Responses

Code	Description	Links
200	List of messages in the session	*No links*

Media type

application/json

Controls `Accept` header.

Example Value   Schema

```
[
  {
    "message_id": "string",
    "session_id": "string",
    "user_sent": true,
    "message_content": "string",
    "time_sent": "2024-11-17T08:13:04.612Z"
  }
]
```

| 400 | Bad Request | *No links* |

Media type

application/json

Code	Description	Links

	Example Value Schema
	
	``
	{
	  "error": "session_id query parameter is required"
	}
	``	

404	Not Found
	
	Media type
	
	application/json
	
	Example Value Schema
	
	``
	{
	  "error": "Session not found"
	}
	``
		No links

500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${GetMessagesFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

Admin endpoints accessible by admins ^

GET   **/admin/generate_presigned_url** Generate a presigned URL for uploading files 🔓 ^

Parameters   [Try it out]

Name	Description
category_id * required **string** *(query)*	ID of the category [category_id]

Name	Description

document_type * required
string
(query)

extension of the document

<div style="border:1px solid #ccc; padding:8px;">document_type</div>

document_name * required
string
(query)

name of the document

<div style="border:1px solid #ccc; padding:8px;">document_name</div>

Responses

Code	Description	Links
200	Presigned URL generated successfully	No links

Media type

<div style="border:2px solid green; padding:8px; font-weight:bold;">application/json</div>

Controls `Accept` header.

Example Value Schema

```
{
  "presignedurl": "string"
}
```

Code	Description	Links
400	Bad Request	No links
401	Unauthorized	No links
429	Too Many Requests	No links
500	Internal Server Error	No links

Extensions

Field	Value

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${GeneratePreSignedURLFunc.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

DELETE /admin/delete_file Delete certain file 🔓 ⌄

Parameters

Try it out

Name	Description
category_id * required string *(query)*	id of the category `category_id`
document_type * required string *(query)*	Type of file (pdf or jpg) `document_type`
document_name * required string *(query)*	Name of the file `document_name`

Responses

Code	Description	Links
200	File deleted successfully	*No links*
400	Bad Request	*No links*
401	Unauthorized	*No links*
429	Too Many Requests	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${DeleteDocumentFunc.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

DELETE `/admin/delete_category` Delete certain category 🔓 ∧

Parameters

<div align="right">Try it out</div>

Name	Description
category_id * required string *(query)*	ID of the category `category_id`

Responses

Code	Description	Links
200	File deleted successfully	*No links*
400	Bad Request	*No links*
401	Unauthorized	*No links*
429	Too Many Requests	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${DeleteCategoryFunc.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

GET   /admin/analytics   Get analytics data 🔓 ⌃

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Analytics data retrieved successfully	*No links*
400	Bad Request	*No links*
401	Unauthorized	*No links*
429	Too Many Requests	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${adminFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

POST   /admin/create_category   Create a new category 🔓 ⌃

Adds a new category to the database with a unique ID, name, and number.

Parameters

<div style="text-align: right">Try it out</div>

Name	Description
category_name * required string *(query)*	The name of the category to be created. `category_name`
category_number * required integer *(query)*	The number associated with the category. `category_number`

Responses

Code	Description	Links
201	Category created successfully	*No links*

Media type

application/json

Controls `Accept` header.

Example Value   Schema

```
{
  "category_id": "3fa85f64-5717-4562-b3fc-2c963f66afa6",
  "category_name": "string",
  "category_number": 0
}
```

Code	Description	Links
400	Bad Request - Missing parameters	*No links*

Media type

application/json

Example Value   Schema

```
{
  "error": "string"
```

Code	Description	Links
	`}`	
500	Internal Server Error	*No links*

Media type

application/json

Example Value   Schema

```
{
  "error": "string"
}
```

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${adminFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

GET `/admin/categories` Retrieve all categories 🔓 ⌃

Fetches a list of all categories along with their names and associated numbers.

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Categories retrieved successfully	*No links*

Media type

Code	Description	Links

<div style="border: 2px solid green;">application/json</div>

Controls `Accept` header.

Example Value   Schema

```
[
  {
    "category_id": "3fa85f64-5717-4562-b3fc-2c963f66afa6",
    "category_name": "string",
    "category_number": 0
  }
]
```

500   Internal Server Error   *No links*

Media type

<div style="border: 1px solid black;">application/json</div>

Example Value   Schema

```
{
  "error": "string"
}
```

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${adminFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

PUT   **/admin/edit_category**   Edit an existing category   🔓 ︿

Parameters   [Try it out]

Name	Description
category_id * required **string** *(query)*	ID of the category to be edited [category_id]

Name	Description
category_name * required string *(query)*	New name of the category category_name
category_number * required integer *(query)*	New number associated with the category category_number

Responses

Code	Description	Links
200	Category updated successfully	*No links*
400	Missing required parameters	*No links*
404	Category not found	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${adminFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

GET   **/admin/files_within_category**   Get files within a specific category   🔓 ⌃

Parameters

Try it out

Name	Description

Name	Description
category_id * required **string** *(query)*	ID of the category for which files are requested category_id

Responses

Code	Description	Links
200	Files retrieved successfully	*No links*
400	Bad Request	*No links*
401	Unauthorized	*No links*
429	Too Many Requests	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${GetDocumentsFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

GET **/admin/conversation_history_preview** 🔓 ⌃
Get the 10 most recent message creation engagement types for each role

Parameters   **Try it out**

No parameters

Responses

Code	Description	Links
200	Recent message creations retrieved successfully	*No links*
400	Bad Request	*No links*
401	Unauthorized	*No links*
429	Too Many Requests	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${adminFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

GET   `/admin/conversation_sessions`   Get conversation sessions for a specific user role 🔓 ⌃

Parameters

Try it out

Name	Description
user_role * required `string` *(query)*	The role of the user for which sessions are requested (public, educator, admin) user_role

Responses

Code	Description	Links

Code	Description	Links
200	Successfully retrieved conversation sessions	*No links*
400	Bad Request	*No links*
401	Unauthorized	*No links*
429	Too Many Requests	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${adminFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

GET   `/admin/conversation_messages`   Get messages for a specific session   🔓 ⌃

Parameters   [Try it out]

Name	Description
session_id * required **string** *(query)*	The ID of the session for which messages are requested [session_id]

Responses

Code	Description	Links
200	Successfully retrieved messages for the session	*No links*

Code	Description	Links
400	Bad Request	*No links*
401	Unauthorized	*No links*
429	Too Many Requests	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${GetMessagesFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

GET   `/admin/latest_prompt`   Get the latest prompt   🔓 ⌃

Retrieves the most recent entry in the prompts table, including public, educator, and admin prompts.

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Latest prompt retrieved successfully	*No links*

Media type

application/json

Controls `Accept` header.

Example Value   Schema

Code	Description	Links
| | ```json
{
  "public": "string",
  "educator": "string",
  "admin": "string",
  "time_created": "2024-11-17T08:13:04.624Z"
}
``` | |
| 404 | No prompts found | *No links* |
| 500 | Internal Server Error | *No links* |

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${adminFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

GET `/admin/previous_prompts` Get all previous prompts 🔓 ⌃

Retrieves all previous prompts excluding the most recent one, organized by public, educator, and admin roles, sorted by timestamp from most recent to oldest.

Parameters   **Try it out**

No parameters

Responses

Code	Description	Links
200	Previous prompts retrieved successfully	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${adminFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

POST **/admin/insert_prompt** Insert a new prompt for a specific role 🔓 ⌄

Parameters

[Try it out]

Name	Description
role * required string *(query)*	The role for which the prompt is to be inserted (public, educator, admin). *Available values* : public, educator, admin [public]

Request body required

[application/json]

Example Value   Schema

```
{
  "prompt": "string"
}
```

Responses

Code	Description	Links
201	Prompt inserted successfully	No links
400	Missing or invalid parameters	No links
500	Internal Server Error	No links

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${adminFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}

PUT /admin/update_metadata Update or insert metadata for a document 🔓 ∧

Parameters

Try it out

Name	Description
category_id * required **string($uuid)** *(query)*	The ID of the category. `category_id`
document_name * required **string** *(query)*	The name of the document. `document_name`
document_type * required **string** *(query)*	The type of the document. `document_type`

Request body required

application/json

Example Value Schema

```
{
  "metadata": "string"
}
```

Responses

Code	Description	Links
200	Metadata updated successfully	*No links*
201	Document metadata added successfully	*No links*
400	Missing or invalid parameters	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${GetMessagesFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"GET","type":"aws_proxy"}

GET **/admin/get_feedback** Get feedback for a particular session 🔓 ⌃

Retrieves all feedback related to a specific session_id

Parameters [Try it out]

Name	Description

Name	Description
session_id *** required** string *(query)*	ID of the session for which feedback are requested [session_id]

Responses

Code	Description	Links
200	feedback retrieved successfully	*No links*
500	Internal Server Error	*No links*

Extensions

Field	Value
x-amazon-apigateway-integration	{"uri":{"Fn::Sub":"arn:aws:apigateway:${AWS::Region}:lambda:path/2015-03-31/functions/${adminFunction.Arn}/invocations"},"passthroughBehavior":"when_no_match","httpMethod":"POST","type":"aws_proxy"}