



API Documentation

1.0.0 OAS 3.0

Documentation for the API endpoints and their expected inputs/outputs.

Exercises

API endpoints for managing exercises.



GET /exercises/all Get all exercises.



Parameters

[Try it out](#)

No parameters

Responses

Code	Description	Links
200	A list of exercises. Note that the schema may be Email (as shown below) or the Text schema found under "Schemas".	No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
[
  {
    "_id": "string",
    "message": "string",
    "scam": true,
    "type": "string",
    "category": "string",
    "feedback": "string",
    "emailSender": "string"
  }
]
```

Code	Description	Links
404	No exercises found.	No links

GET **/exercises/random** Get a random exercise.



Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	<p>A single random exercise. Note that the schema may be Email (as shown below) or the Text schema found under "Schemas".</p> <p>Media type</p> <div>application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "_id": "string", "message": "string", "scam": true, "type": "string", "category": "string", "feedback": "string", "emailSender": "string"}</pre>	No links
404	No exercises found.	No links

GET **/exercises** Get a specified number of random exercises.



Parameters

Try it out

Name	Description
count integer (query)	Number of random exercises to retrieve. Note that the schema may be Email (as shown below) or the Text schema found under "Schemas". Default value : 10
	<input type="text" value="10"/>

Responses

Code	Description	Links
200	<p>A list of random exercises.</p> <p>Media type</p> <div>application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>[{ "_id": "string", "message": "string", "scam": true, "type": "string", "category": "string", "feedback": "string", "emailSender": "string" }]</pre>	No links
404	No exercises found.	No links

Resources API for managing scam resource information



GET /resources/all Get all resources.



Parameters

[Try it out](#)

No parameters

Responses

Code	Description	Links
200	<div><div>A list of resources.</div><div>Media type</div><div><div>application/json</div></div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div></div><div><pre>[{ "_id": "string", "category": "string", "content": "string", "links": ["string"], "image": "string" }]</pre></div></div>	No links

POST /resources Create a new resource.



Parameters

Try it out

No parameters

Request body required

multipart/form-data

- category

string

Category of the scam resource (e.g., Phishing, Malware)
- content

string

Description of the scam and its techniques
- links

array

Array of URLs containing relevant information on the scam

image

Base64 encoded image data (optional)

string

Responses

Code	Description	Links
201	<div>The newly created resource object.</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "_id": "string", "category": "string", "content": "string", "links": ["string"], "image": "string"}</pre></div>	No links

Session User session management endpoints



POST /signup Creates a new user account



Parameters

Try it out

No parameters

Request body required

application/json

Example Value Schema

```
{  "username": "string",
```

```
"password": "string"
}
```

Responses

Code	Description	Links
201	User created successfully	No links
	Media type	
	<div>application/json</div> Controls Accept header.	
	Example Value Schema	
	<pre>{ "userId": "string" }</pre>	
400	Bad request (e.g., missing username or password)	No links
409	Username already exists	No links

POST /login Logs in a user and creates a session



Parameters

Try it out

No parameters

Request body required



application/json

Example Value Schema

```
{
  "username": "string",
  "password": "string"
}
```

Responses

Code	Description	Links
200	User logged in successfully Media type application/json Controls Accept header. Example Value Schema <pre>{ "sessionId": "string" }</pre>	No links
401	Invalid username or password	No links

GET **/checkUser** Checks if a user is currently logged in and attaches user data  

Parameters Cancel

No parameters

Execute

Responses

Code	Description	Links
200	User is logged in and user data is attached Media type application/json Controls Accept header. Example Value Schema <pre>{ "userId": "string", "username": "string" }</pre>	No links
401	User is not logged in	No links

Users

 API for managing users**GET** **/users** Retrieve all users

Returns a list of all users.

Parameters

[Try it out](#)

No parameters

Responses

Code	Description	Links
200	A list of user objects.	No links

Media type

[application/json](#)

Controls Accept header.

Example Value Schema

```
[
  {
    "_id": "8DKZvZ9Wv9Hk9WEzGbQN",
    "email": "gabriella90631@gmail.com",
    "password": "$2b$10$Uo5t0qVFH0Ta1d13e4SD6eELcnVJfCGv5amK5SM3zB/QPt5H28U9W",
    "sub": "$2b$10$jfc.GIURY",
    "username": "Gabriella",
    "graduated": false,
    "overallScore": 410
  }
]
```

GET **/users/{id}** Retrieve a user by ID

Returns a single user object by their unique ID.

Parameters

[Try it out](#)

Name

Description

id * required

Unique identifier of the user.

string

(path)

8DKZvZ9Wv9Hk9WEzGbQN

Responses

Code

Description

Links

200

A user object.

No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
{
  "_id": "8DKZvZ9Wv9Hk9WEzGbQN",
  "email": "gabriella90631@gmail.com",
  "password": "$2b$10$Uo5t0qVFH0Ta1d13e4SD6eELcnVJfCGv5amK5SM3zB/QPt5H28U9W",
  "sub": "$2b$10$jfc.GIURY",
  "username": "Gabriella",
  "graduated": false,
  "overallScore": 410
}
```

404

User not found.

No links

Media type

application/json

Example Value Schema

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

PUT

/users/{id} Update a user's score or other properties.



Schemas



```
User  {
  _id*           string
                 example: 8DKZvZ9Wv9Hk9WEzGbQN
                 The unique identifier for the user.

  email*         string
                 example: gabriella90631@gmail.com
                 The user's email address.

  password*      string
                 example:
                 $2b$10$Uo5t0qVFH0Ta1d13e4SD6eELcnVJfCGv5amK5SM3zB/QPt5H28U9W
                 The user's hashed password.

  sub*           string
                 example: $2b$10$jfc.GIURY
                 The user's subject identifier.

  username*      string
                 example: Gabriella
                 The user's chosen username.

  graduated*     boolean
                 example: false
                 Indicates if the user has graduated.

  overallScore*  integer
                 example: 410
                 The user's cumulative score.
}
```

```
Email  {
  _id          string
              Unique identifier for the email object

  message      string
              Full email content, including subject and body

  scam         boolean
              Indicates if the email is flagged as a scam

  type         string
              Type of the message (e.g., email, sms)

  category     string
              Category associated with the email (e.g., online_shopping,
              social)

  feedback     string
              Feedback about the email, if any (e.g., reason for scam flag)

  emailSender  string
              Email address of the sender
}
```

```
Text  {
  _id          string
              Unique identifier for the email object

  message      string
              Full message content, including subject and body

  scam         boolean
              Indicates if the message is flagged as a scam

  type         string
              Type of the message (e.g., email, sms)

  category     string
              Category associated with the message (e.g., online_shopping,
              social)

  feedback     string
              Feedback about the email, if any (e.g., reason for scam flag)

  phoneNumber  string
              Email address of the sender
}
```

```
ResourceDocument {
  _id
    string
    Unique identifier for the resource

  category
    string
    Category of the scam resource (e.g., Phishing, Malware)

  content
    string
    Description of the scam and its techniques

  links
    [
    Array of URLs containing relevant information on the scam

    [...]]

  image
    string
    Base64 encoded image data (optional)
}
```