**REST API**

**Student Lounge**: REST API to manage previous students from ESMAD

version: 1.0

host: localhost

media types: only supports JSON

security mechanisms: JWT (JSON Web Tokens) / express valIdator

Student lounge uses an SQL database to store the information and focuses on keeping track of previous alumni from ESMAD aswell as provIding the means for them to interact with one another. It also uses Swagger to provIde a documentation of the api in a form that is easy to read.

API PATHS

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[POST posts 40](#_Toc1077593735)

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[DELETE posts/:postId/favorite 44](#_Toc1858922741)

[GET posts/:postId/favorite 45](#_Toc858863584)

## 

# ALUMNI

## POST /alumni/login

Authenticate the user and obtain a JSON Web Token (authentication key).

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| BODY  BODY | email  password | string  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {  "access Token": <token>,  "message": "login was successful"  }  token (**string**) - all further API calls to protected routes must have  this token in authentication header |
| 400  Bad request | {"message": "Please provIde username and password"} |
| 401  Unauthorized | {"message": "InvalId credentials"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## POST /alumni

Register the alumni in the app.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| BODY  BODY  BODY  BODY  BODY  BODY  BODY | Username  Password  StudentNumber  Email  Name  CurrentCompany  Skills | string  string  number  string  string  string  string | yes  yes  yes  yes  yes  yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Account registered successfully"} |
| 400  Bad request | {"message": "Please provIde all the fields"} |
| 409  conflict | {"message": "An account with those credentials already exist. You should use a different username, email or student number"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## PATCH /alumni

Change information about an alumni.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| HEADER  BODY  BODY  BODY  BODY  BODY  BODY | Token  Username  Password  Email  Name  CurrentCompany  Skills | string  string  string  string  string  string  string | yes  no  no  no  no  no  no |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Account altered successfully"} |
| 400  Bad request | {"message": "Some of the fields you altered seem to be incorrect. Make sure the email has a correct format"} |
| 404  Not found | {"message": "The account you are trying to alter does not exist"} |
| 409  conflict | {"message": "Those credentials already exist. You should use a different email"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## DELETE /alumni

Delete own account.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| HEADER | Token | string | yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Account deleted successfully"} |
| 401  Unauthorized | {"message": "You need to be authenticated to delete an account"} |
| 404  Not found | {"message": "The account you are trying to delete does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## DELETE alumni/:alumniId

Delete the account of a specific user.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | alumniId  Token | integer  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Account deleted successfully"} |
| 401  Unauthorized | {"message": "You need to be authenticated to delete an account"} |
| 403  ForbIdden | {"message": "Your account lacks the necessary permissions for this action"} |
| 404  Not found | {"message": "The account you are trying to delete does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET alumni/:alumniId/companies

Get all the companies of a specific alumni.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | alumniId  token | integer  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {  "alumni": "John Doe",  "companies": [  {  "companyName": "Company A",  "type": "frontEnd",  "location": "Porto",  "startDate": "2018-01-01",  "endDate": "2020-12-31"  },  {  "companyName": "Company B",  "type": "backEnd",  "location": "Gaia",  "startDate": "2021-02-01",  "endDate": null  }  ]    } |
| 401  Unauthorized | {"message": "You need to be logged in to get information about an alumni"} |
| 404  Not found | {"message": "The alumni does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## POST alumni/:alumniId/companies

Add an alumni to a specific company

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  BODY  BODY  BODY | alumniId  companyId  startDate  endDate | number  number  string  string | yes  yes  yes  no |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Alumni added to the company successfully"} |
| 400  Bad request | {"message": "The data you provIded is incorrect or missing"} |
| 401  Unauthorized | {"message": "You need to be logged in to add a company"} |
| 404  Not found | {"message": "The company does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

Additional notes: Creating a company will add 200 experience points to the alumni (they will gain a level after 500 after that experience points reset to 0)

## GET alumni/:alumniId

Get information of a specific alumni.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | alumniId  token | integer  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {  "email": "john@example.com",  "name": "John Doe",  "currentCompany: "SONAE",  "skills": ["JavaScript", "React", "Node.js", "SQL"],  } |
| 401  Unauthorized | {"message": "You need to be logged in to get information about an alumni"} |
| 404  Not found | {"message": "The alumni does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET alumni/:alumniId/events

Get all the events a specific alumni is participating.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | alumniId  token | integer  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {  "alumni": "John Doe",  "events": [  {  "title": "Tech Conference 2024",  "date": "2024-07-15",  "location": "b204"  },  {  "title": "PlugIn",  "date": "2024-08-20",  "location": "Auditório"  }  ]  } |
| 401  Unauthorized | {"message": "You need to be logged in to get information about an alumni"} |
| 404  Not found | {"message": "The alumni does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET alumni/search

Get all the alumni and allow filters

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| QUERY  QUERY  QUERY  QUERY  QUERY  QUERY | name  profession  skill  Companies  page  limit | string  string  string  string  number  number | no  no  no  no  no  no |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {  "pagination": {  "total": 100,  "pages": 10,  "current": 1,  "limit": 10  },  "alumni": [  {  "alumniId": "123456",  "name": "John Doe",  "profession": "Software Engineer",  "skills": ["JavaScript", "React"],  "companies": ["Company A", "Company B"],  "links": [  {"rel": "self", "href": "/alumni/123456", "method": "GET"}  ]  },  {  "alumniId": "789012",  "name": "Jane Smith",  "profession": "Data Scientist",  "skills": ["Python", "SQL"],  "companies": ["Company C"],  "links": [  {"rel": "self", "href": "/alumni/789012", "method": "GET"}  ]  }  ],  "links": [ {"rel": "prev-page", "href": "/alumni/search?page=0&limit=10", "method": "GET"}, {"rel": "next-page", "href": "/alumni/search?page=2&limit=10", "method": "GET"} ]  } |
| 401  Unauthorized | {"message": "You need to be logged in to get information about an alumni"} |
| 404  Not found | {"message": "The alumni does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET alumni/:alumniId/favorites

Get all the posts the alumni favorited

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH | alumniId | number | yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {  "posts": [  {  "postId": 1,  "title": "First Post",  "image": "http://example.com/image1.jpg",  "body": "This is the body of the first post."  },  {  "postId": 2,  "title": "Second Post",  "image": "http://example.com/image2.jpg",  "body": "This is the body of the second post."  }  ]  } |
| 401  Unauthorized | {"message": "You need to be logged in to get information about an alumni"} |
| 404  Not found | {"message": "The alumni does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

# EVENT

## POST events

Create a new event.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| HEADER  BODY  BODY  BODY | token  title  date  location | string  string  string  string | yes  yes  yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "The event was created successfully"} |
| 401  Unauthorized | {"message": "You need to be logged in to create a new event"} |
| 403  ForbIdden | {"message": "Your account lacks the necessary permissions for this action"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## PATCH events

Alter information about an event.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| HEADER  BODY  BODY  BODY | token  title  date  location | string  string  string  string | yes  no  no  no |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "The event was altered successfully"} |
| 401  Unauthorized | {"message": "You need to be logged in to create a new event"} |
| 403  ForbIdden | {"message": "Your account lacks the necessary permissions for this action"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET events

Get all the events.

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | [  {  "eventId": "123",  "title": "Tech Conference 2024",  "date": "2024-07-15",  "location": "b204"  },  {  "eventId": "456",  "title": "PlugIn",  "date": "2024-08-20",  "location": "Auditório"  }  ] |
| 404 Not found | {"message": "There are no events"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET events/:eventId

Get a specific event.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH | eventId | integer | yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {  "eventId": "123",  "title": "Tech Conference 2024",  "date": "2024-07-15",  "location": "b204"  }, |
| 404  Not found | {"message": "The event does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## POST events/:eventId/participate

Add an alumni to an event.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  BODY | eventId  alumniId | integer  integer | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Alumni successfully added to the event"} |
| 401  Unauthorized | {"message": "You need to be logged in to add an alumni to an event"} |
| 403  ForbIdden | {"message": " Your account lacks the necessary permissions for this action "} |
| 404  Not found | {"message": "The event you are trying to participate does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## PUT events/:eventId/participate

Change alummni from an event.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  BODY | eventId  alumniId | integer  integer | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Alumni successfully altered for the event"} |
| 401  Unauthorized | {"message": "You need to be logged in to add an alumni to an event"} |
| 403  ForbIdden | {"message": " Your account lacks the necessary permissions for this action "} |
| 404  Not found | {"message": "The event whose alumni you are trying to change does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## DELETE events/:eventId/participate

Remove alumni from an event.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH | eventId | integer | yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Alumni removed successfully"} |
| 401  Unauthorized | {"message": "You need to be logged in to remove a user from an event"} |
| 403  ForbIdden | {"message": " Your account lacks the necessary permissions for this action "} |
| 404  Not found | {"message": "The event does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

# Project

## POST projects/:alumniId

Add a project.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER  BODY  BODY  BODY | alumniId  token  title  description  url | integer  string  string  string  string | yes  yes  yes  yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Project added successfully} |
| 401  Unauthorized | {"message": "You need to be logged in to add a new project"} |
| 404  Not found | {"message": "The alumni does not exist} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## PATCH projects/:projectId

Alter a project.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER  BODY  BODY  BODY | projectId  token  title  description  url | integer  string  string  string  string | yes  yes  no  no  no |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Project altered successfully"} |
| 401  Unauthorized | {"message": "You need to be logged in to alter a project"} |
| 404  Not found | {"message": "The alumni does not exist} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET projects/:alumniId

Get all the projects from an alumni.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | alumniId  token | integer  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | [  {  "projectId": 1,  "title": "Project A",  "description": "This is the first project",  "url": "https://example.com/projectA"  },  {  "projectId": 2,  "title": "Project B",  "description": "This is the second project",  "url": "https://example.com/projectB"  }  ] |
| 401  Unauthorized | {"message": "You need to be logged in to view the projects of an alumni"} |
| 404  Not found | {"message": "The alumni does not exist} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET projects/:projectId

Get a specific project.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | projectId  token | integer  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {  "projectId": 1,  "title": "Project A",  "description": "This is the first project",  "url": "https://example.com/projectA"  }, |
| 401  Unauthorized | {"message": "You need to be logged in to view the projects of an alumni"} |
| 404  Not found | {"message": "The requested project does not exist."} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## DELETE projects/:projectId

Delete a specific project.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | projectId  token | integer  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Project deleted successfully"} |
| 401  Unauthorized | {"message": "You need to be logged in to delete a project"} |
| 404  Not found | {"message": "The project does not exist} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

# COMPANY

## POST companies

Create a new company.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| BODY  BODY  BODY | name  type  location | string  string  string | yes  yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Company successfully added"} |
| 400  Bad request | {"message": "Some of the fields are missing"} |
| 409  Conflict | {"message": "A company with that name already exists"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET companies

Get all companies with filters.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| QUERY  QUERY  QUERY  QUERY  QUERY | name  type  location  page  limit | string  string  string  number  number | no  no  no  no  no |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {  "pagination": {  "total": 100,  "pages": 10,  "current": 0,  "limit": 10  },  "data": [  {  "companyId": 1,  "name": "Company A",  "type": "Technology",  "location": "New York",  "links": [  {"rel": "self", "href":"/companies/1","method":"GET"}  ]  },  {  "companyId": 2,  "name": "Company B",  "type": "Finance",  "location": "London",  "links": [  {"rel": "self", "href":"/companies/2","method":"GET"}  ]  }  ]  } |
| 404  Not found | {"message": "No companies were found that match the filters"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## PATCH companies/:companyId

Alter information on a specific company.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER  BODY  BODY  BODY | companyId  token  name  type  location | number  string  string  string  string | yes  yes  no  no  no |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Company altered successfully"} |
| 401  unauthorized | {"message": "You need to be logged in to alter the information of a company"} |
| 404  Not found | {"message": "The company does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET companies/:companyId

Get a specific company.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | companyId  token | number  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {  "companyId": 1,  "name": "Company A",  "type": "Technology",  "location": "New York",  } |
| 401  unauthorized | {"message": "You need to be logged in to see the information of a company"} |
| 404  Not found | {"message": "The company does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET companies/:alumniId

Get all the companies of a specific alumni.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | alumniId  token | number  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | [  {  "companyId": 1,  "name": "Company A",  "type": "frontEnd",  "location": "Porto"  },  {  "companyId": 2,  "name": "Company B",  "type": "backEnd",  "location": "Gaia"  }  ] |
| 401  unauthorized | {"message": "You need to be logged in to see the companies of an alumni"} |
| 404  Not found | {"message": "The alumni does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET companies/:companyId/alumni

Get all the companies of a specific alumni.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | companyId  token | number  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | [  {  "alumniId": 1,  "name": "John Doe",  "email": "john.doe@example.com",  "currentCompany": "Company A",  "currentPosition": "Software Engineer"  },  {  "alumniId": 2,  "name": "Jane Smith",  "email": "jane.smith@example.com",  "currentCompany": "Company B",  "currentPosition": "Marketing Manager"  }  ] |
| 401  unauthorized | {"message": "You need to be logged in to see the alumni of a company"} |
| 404  Not found | {"message": "The company does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

# CHAT

## POST chats

Create a chat with another alumni.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| HEADER  BODY  BODY | token  alumniId  recipientId | string  number  number | yes  yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "The chat was created successfully"} |
| 401  unauthorized | {"message": "You need to be logged in to create a chat"} |
| 404  Not found | {"message": "The alumni you are trying to chat with does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET chats

See all the chats you have.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| HEADER | token | string | yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | [  {  "chatId": 1,  "participants": ["UserA", "UserB"],  "lastMessage": "Hello, how are you?",  "timestamp": "2024-05-20T08:00:00Z"  },  {  "chatId": 2,  "participants": ["UserA", "UserC"],  "lastMessage": "Hey there!",  "timestamp": "2024-05-19T15:30:00Z"  }  ] |
| 401  unauthorized | {"message": "You need to be logged in to see the chats"} |
| 404  Not found | {"message": "No chats were found"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET chats/:chatId/messages

See all the messages you have.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | chatId  token | number  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | [  {  "messageId": 1,  "sender": "UserA",  "messageBody": "Hello, how are you?",  "timestamp": "2024-05-20T08:05:00Z"  },  {  "messageId": 2,  "sender": "UserB",  "messageBody": "I'm good, thanks!",  "timestamp": "2024-05-20T08:10:00Z"  }  ] |
| 401  unauthorized | {"message": "You need to be logged in to see the messages"} |
| 404  Not found | {"message": "No messages were found"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## POST chats/:chatId/messages

Create a new message.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER  BODY | chatId  token  messageBody | number  string  string | yes  yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Your message was sent successfully"} |
| 400  Bad request | {"message": "Your message is empty"} |
| 401  unauthorized | {"message": "You need to be logged in to send the messages"} |
| 404  Not found | {"message": "The chat does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## DELETE chats/:chatId

Delete a specific chat.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | chatId  token | number  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Your message was deleted successfully"} |
| 401  unauthorized | {"message": "You need to be logged in to delete the chat"} |
| 404  Not found | {"message": "The chat does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## DELETE chats/:chatId/messages/:messageId

Delete a specific message from a chat.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  PATH  HEADER | chatId  messageId  token | number  number  string | yes  yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Your message was deleted successfully"} |
| 401  Unauthorized | {"message": "You need to be logged in to delete the chat"} |
| 403  ForbIdden | {"message": "Your account lacks the necessary permissions for this action"} |
| 404  Not found | {"message": "The chat or message do not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## PATCH chats/:chatId/messages/:messageId

Alter a specific message from a chat.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  PATH  HEADER  BODY | chatId  messageId  token  messageBody | number  number  string  string | yes  yes  yes  no |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {  "message": "Updated message content"  } |
| 400  Bad request | {"message": "The body of the message cannot be empty"} |
| 401  Unauthorized | {"message": "You need to be logged in to delete the chat"} |
| 403  ForbIdden | {"message": "Your account lacks the necessary permissions for this action"} |
| 404  Not found | {"message": "The chat or message do not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

# POSTS

## POST posts

Create a new post.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| HEADER  BODY  BODY  BODY | token  title  image  postBody | string  string  string  string | yes  yes  no  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Post created successfully"} |
| 400  Bad request | {"message": "The body of the post and the title cannot be empty"} |
| 401  Unauthorized | {"message": "You need to be logged in to create a post"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

Additional notes: Creating a post will increase the alumni experience points by 100(they will gain a level after 500 after that experience points reset to 0)

## GET posts

Get all of the posts.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| QUERY  QUERY | limit  page | number  number | no  no |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {  "pagination": {  "total": 100,  "pages": 10,  "current": 1,  "limit": 10  },  "posts": [  {  "postId": 1,  "title": "First Post",  "image": "http://example.com/image1.jpg",  "body": "This is the first post."  },  {  "postId": 2,  "title": "Second Post",  "image": "http://example.com/image2.jpg",  "body": "This is the second post."  }  ],  "links": [  {"rel": "next-page", "href": "/posts?limit=10&page=2", "method": "GET"}  ]  } |
| 404  Not found | {"message": "No posts found"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## PATCH posts/:postId

Route to alter a specific post.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER  BODY  BODY  BODY | postId  Token  Title  Image  postBody | number  string  string  string  string | yes  yes  no  no  no |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Post updated successfully"} |
| 401  Unauthorized | {"message": "You need to be logged in to alter a post"} |
| 404  Not found | {"message": "The post does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## DELETE posts/:postId

Route to delete a specific post.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | postId  Token | number  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Post deleted successfully"} |
| 401  Unauthorized | {"message": "You need to be logged in to delete a post"} |
| 404  Not found | {"message": "The post does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## POST posts/:postId/favorite

Route to favorite a post.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | postId  token | number  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Post favorited successfully"} |
| 401  Unauthorized | {"message": "You need to be logged in to favorite a post"} |
| 404  Not found | {"message": "The post does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## DELETE posts/:postId/favorite

Route to remove favorite from a post.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH  HEADER | postId  token | number  string | yes  yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {"message": "Post favorite removed successfully"} |
| 401  Unauthorized | {"message": "You need to be logged in to remove a favorite from a post"} |
| 404  Not found | {"message": "The post does not exist"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |

## GET posts/:postId/favorite

Route to remove favorite from a post.

### Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Parameters** | **Format** | **Required** |
| PATH | postId | number | yes |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 OK | {  "post": {  "postId": 123,  "title": "Post Title",  "favorites": [  {  "userId": 456,  "name": "user1"  },  {  "userId": 789,  "name": "user2"  }  ]  }  } |
| 404  Not found | {"message": "Post not found"} |
| 500 Internal server error | {"message": "Something went wrong. Please try again later"} |