

API DOCUMENTATION

Authentication System

Authentication System Endpoints

▼

POST

/auth_system/login

Takes Login Credentials as argument and returns a valid token

Parameters

Try it out

Name	Description
e_mail * required string (formData)	E-mail of the person
password * required string (formData)	Password of the person

Responses

Response content type application/json ▼

Code	Description
200	Valid token
400	Input Format Error
401	Account Problems
404	User not found
500	Database Connection Error

GET

/auth_system/logo

Parameters

Try it out

No parameters

Responses

Response content type application/json ▼

Code	Description
200	Valid Response

GET

/auth_system/profile_photo

Parameters

Try it out

Name	Description
user_id * required string (query)	ID of the User

Responses

Response content type application/json

Code	Description
200	Valid Response
400	Input Format Error
404	Profile Photo is not Found
500	Database Connection Error

POST

/auth_system/reset_password

Changes password of the user

Parameters

Try it out

Name	Description
new_password * required string (formData)	Enter new password
new_password_repeat * required string (formData)	Enter new password(Again)
auth_token * required string (header)	Token that sent via email as a URL link

Responses

Response content type application/json

Code	Description
200	Password Successfully Changed
400	Passwords are not matched
401	Authorization Error
500	Database Connection/E-mail Server Error

GET

/auth_system/reset_password

Sends a reset password email to the user

Parameters

Try it out

Name	Description
e_mail * required string (query)	E-mail of the person

Responses

Response content type application/json

Code	Description
200	<div>Valid e-mail</div> <div>Example Value Model</div> <div>{ "msg": "string" }</div>
400	<div>Input Format Error</div>
401	<div>Account Problems</div>
404	<div>E-mail not found</div>
500	<div>Database Connection/E-mail Server Error</div>

GET

/auth_system/self

Parameters

Try it out

Name	Description
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	<div>User has been found.</div> <div>Example Value Model</div> <div>{ "id": 0, "name": "string", "surname": "string", "profile_photo": "string", "e_mail": "string", "job_id": 0 }</div>
404	<div>The user is not found.</div>
500	<div>The server is not connected to the database.</div>

POST

/auth_system/skills

Adds a new skill to user's skills with name

Parameters

Try it out

Name	Description
skill * required string (formData)	Skill name
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	Skill is Successfully Added
400	Input Format Error
404	User is not found
500	Database Connection

GET

/auth_system/skills

Returns a list of user's skills with id and name

Parameters

Try it out

Name	Description
user_id * required integer (query)	ID of the requested user.
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	Skills are Successfully Returned
206	Partial Content
400	Input Format Error
404	Skills are empty
500	Database Connection

DELETE

/auth_system/skills

Deletes the skill from user's skills with name

Try it out

Name	Description
skill * required string (formData)	Skill name
auth_token * required string (header)	Authentication token

Responses

Response content type

application/json

Code	Description
200	Skill is Successfully Deleted
400	Input Format Error
404	Skill or UserSkill is not Found
500	Database Connection

POST

/auth_system/user

Try it out

Name	Description
e_mail * required string (formData)	E-mail address of the new user
password * required string (formData)	Password of the new user
name * required string (formData)	Name of the new user
surname * required string (formData)	Surname of the new user
job * required string (formData)	Job of the new user
google_scholar_name string (formData)	URL of the Google Scholar page of the user
researchgate_name string (formData)	URL of the ResearchGate page of the user
institution string (formData)	Institution of the user

Responses

Response content type

application/json

Code	Description
201	User has been successfully created.
208	Partial Content
400	Missing data fields or invalid data.
409	User with the given e-mail address already exists.
500	The server is not connected to the database.
503	The server could not send the account activation e-mail.

GET

/auth_system/user

Returns the profile information of the requested user

Try it out

Parameters

Name	Description
user_id * required integer (query)	ID of the requested user.
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	<div>User has been found.</div> <div>Example Value Model</div> <div><pre>{ "id": 0, "name": "string", "surname": "string", "profile_photo": "string", "e_mail": "string", "job_id": 0 }</pre></div>
208	<div>Partial Content</div>
400	<div>Missing data fields or invalid data.</div>
404	<div>The user is not found.</div>
500	<div>The server is not connected to the database.</div>

DELETE

/auth_system/user

Try it out

Parameters

Name	Description
password * required string (formData)	Password of the user
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	<div>User account has been successfully deleted.</div>
208	<div>Partial Content</div>
400	<div>Missing data fields or invalid data.</div>
401	<div>Wrong password.</div>
404	<div>The user is not found.</div>
500	<div>The server is not connected to the database.</div>

PUT

/auth_system/user

Parameters

Try it out

Name	Description
name string <i>(formData)</i>	Name of the user
surname string <i>(formData)</i>	Surname of the user
e_mail string <i>(formData)</i>	E-mail address of the user
job string <i>(formData)</i>	Job of the user
is_valid integer <i>(formData)</i>	The flag that shows whether the user account is activated or not. (0: Inactive, 1: Active)
is_private integer <i>(formData)</i>	The flag that shows whether the user's profile is public or private. (0: Public, 1: Private)
profile_photo file <i>(formData)</i>	Upload File Here
google_scholar_name string <i>(formData)</i>	URL of the Google Scholar page of the user
researchgate_name string <i>(formData)</i>	URL of the ResearchGate page of the user
institution string <i>(formData)</i>	Institution of the user
auth_token * required string <i>(header)</i>	Authentication token

Responses

Response content type application/json

Code	Description
200	Account information has been successfully updated.
202	Server has received the request but there was no information to be updated.
208	Partial Content
400	Missing data fields or invalid data.
404	The user is not found.
500	The server is not connected to the database.



POST /follow/comment Create user comment

Parameters Try it out

Name	Description
commented_user_id * required integer (formData)	ID of the commented user
rate * required integer (formData)	Rate for the User(Between 1 and 5)
text string (formData)	Comment for the User
auth_token * required string (header)	Authentication token

Responses Response content type application/json

Code	Description
400	Input Format Error
401	Account Problems
404	Not found
500	Database Connection Error

GET /follow/comment Get Comments

Parameters Try it out

Name	Description
commented_user_id * required integer (query)	ID of the commented user
page integer (query)	Page index that you want(Starts from 0)
per_page integer (query)	Number of items in a page
auth_token * required string (header)	Authentication token

Responses Response content type application/json

Code	Description
200	Success Example Value Model <pre>{ "number_of_pages": 0, "result": [{ "comment_id": 0, "owner_id": 0, "commented_user_id": 0, "timestamp": "2021-01-05T19:14:28.210Z", "rate": 0, "text": "string" }] }</pre>
400	Input Format Error
401	Account Problems
404	Not found
500	Database Connection Error

DELETE

/follow/comment

Deletes an user comment

Parameters

Try it out

Name	Description
comment_id * required integer (query)	ID of the commented user
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
400	<i>Input Format Error</i>
401	<i>Account Problems</i>
404	<i>Not found</i>
500	<i>Database Connection Error</i>

POST

/follow/follow_requests

Creates FollowRequest record if profile is private, creates Follow record if profile is public

Parameters

Try it out

Name	Description
follower_id * required integer (formData)	ID of the follower. Follower is the one who follows someone.
following_id * required integer (formData)	ID of the following user. Following user is the one who is followed by someone.
auth_token * required string (header)	Authentication Token

Responses

Response content type application/json

Code	Description
200	<i>Follow Request is sent successfully</i>
400	<i>Input Format Error</i>
401	<i>Current user is unauthORIZED to send Follow Request</i>
500	<i>Database Connection Error</i>

GET

/follow/follow_requests

Returns a list of dictionaries that contains id, name, surname, e_mail, rate and is_private

Try it out

Name	Description
following_id * required integer (query)	ID of the following user. Following user is the one who is followed by someone.
page integer (query)	Page index that you want(Starts from 0)
per_page integer (query)	Number of items in a page
auth_token * required string (header)	Authentication Token

Responses

Response content typeapplication/json

Code	Description
200	<div>Follow Requests List is successfully returned</div> <div>Example Value Model</div> <div><pre>{ "number_of_pages": 0, "follow_requests": [{ "id": 0, "name": "string", "surname": "string", "profile_photo": "string", "e_mail": "string", "job_id": 0 }]}</pre></div>
400	<div>Input Format Error</div>
401	<div>Current user is unauthorized to see the Follow Requests</div>
404	<div>Follow Requests List is empty</div>
500	<div>Database Connection Error</div>

DELETE

/follow/follow_requests

Takes the follower_id and following_id as inputs and replies the corresponding Follow Request

Try it out

Name	Description
follower_id * required integer (formData)	ID of the follower. Follower is the one who follows someone.
following_id * required integer (formData)	ID of the following user. Following user is the one who is followed by someone.
state * required integer (formData)	State is 1 if the reply is accept, state is 2 if the reply is reject.
auth_token * required string (header)	Authentication Token

Responses

Response content typeapplication/json

Code	Description
200	<div>Follow Request is replied successfully</div>
400	<div>Input Format Error</div>
401	<div>Current user is unauthorized to reply the Follow Request</div>
404	<div>Follow Request not found</div>
500	<div>Database Connection Error</div>

GET

/follow/followers

Returns a list of dictionaries with id, name, surname, e_mail, rate and is_private informations

Parameters

Try it out

Name	Description
following_id <small>* required</small> integer (query)	ID of the following user. Following user is the one who is followed by someone.
page integer (query)	Page index that you want(Starts from 0)
per_page integer (query)	Number of items in a page
auth_token <small>* required</small> string (header)	Authentication Token

Responses

Response content typeapplication/json

Code	Description
200	<div>Followers List is successfully returned</div> <div>Example Value Model</div> <pre>{ "number_of_pages": 0, "followers": [{ "id": 0, "name": "string", "surname": "string", "profile_photo": "string", "e_mail": "string", "job_id": 0 }]}</pre>
400	<div>Input Format Error</div>
404	<div>Followers List is empty</div>
500	<div>Database Connection Error</div>

GET

/follow/followings

Returns a list of dictionaries with id, name, surname, e_mail, rate and is_private informations

Parameters

Try it out

Name	Description
follower_id <small>* required</small> integer (query)	ID of the follower. Follower is the one who follows someone.
page integer (query)	Page index that you want(Starts from 0)
per_page integer (query)	Number of items in a page
auth_token <small>* required</small> string (header)	Authentication Token

Responses

Response content typeapplication/json

Code	Description
200	<div>Followings List is successfully returned</div> <div>Example Value Model</div> <pre>{ "number_of_pages": 0, "followings": [{ "id": 0, "name": "string", "surname": "string", "profile_photo": "string", "e_mail": "string", "job_id": 0 }]}</pre>
400	<div>Input Format Error</div>
404	<div>Followings List is empty</div>
500	<div>Database Connection Error</div>

DELETE

/follow/followings

Takes the following_id and authentication token as inputs and deletes corresponding Follow entry

Parameters

Try it out

Name	Description
following_id * required integer (formData)	ID of the unfollowed user
auth_token * required string (header)	Authentication Token

Responses

Response content type application/json

Code	Description
200	User is unfollowed successfully
400	Input Format Error
404	No follow information found with given authentication token and following_id
500	Database Connection Error

Profile Management

Profile Management Endpoints

GET

/profile/front_page

Parameters

Try it out

Name	Description
auth_token * required string (header)	Authentication Token

Responses

Response content type application/json

Code	Description
200	OK
500	The server does not respond.

POST

/profile/jobs

Creates a new job

Parameters

Try it out

Name	Description
name <small>* required</small> string (formData)	Name of the job
auth_token <small>* required</small> string (header)	Authentication Token

Responses

Response content type: application/json

Code	Description
201	Successfully Created
400	Wrong Input Format
401	Authentication Problem
500	Database Connection Problem

GET

/profile/jobs

Returns all job names

Parameters

Try it out

No parameters

Responses

Response content type: application/json

Code	Description
200	Valid Response
404	Empty List
500	Database Connection Problem

DELETE

/profile/jobs

Deletes a job

Try it out

Name	Description
id * required integer (formData)	Job ID
auth_token * required string (header)	Authentication Token

Responses

Response content typeapplication/json

Code	Description
200	Successfully Deleted
400	Wrong Input Format
401	Authentication Problem
500	Database Connection Problem

PUT

/profile/jobs

Updates a job

Try it out

Name	Description
id * required integer (formData)	Job ID
name * required string (formData)	Name of the job
auth_token * required string (header)	Authentication Token

Responses

Response content typeapplication/json

Code	Description
201	Successfully Updated
400	Wrong Input Format
401	Authentication Problem
500	Database Connection Problem

GET

/profile/notifications

Returns all notifications of the logged in user with related user lists

Try it out

Parameters

Name	Description
<div>page</div> <div>integer</div> <div>(query)</div>	Page index that you want(Starts from 0)
<div>per_page</div> <div>integer</div> <div>(query)</div>	Number of items in a page
<div>auth_token</div> <div>string</div> <div>(header)</div> <div>required</div>	Authentication Token

Responses

Response content type

application/json

Code

200

Valid Response

Example Value

Model

```
{
  "number_of_pages": 0,
  "notification_list": [
    {
      "id": 0,
      "text": "string",
      "link": "string",
      "timestamp": "2021-01-05T19:14:28.231Z",
      "related_users": [
        "string"
      ]
    }
  ]
}
```

401

Authentication Problem

500

Database Connection Problem

DELETE

/profile/notifications

Deletes the given notification

Try it out

Name	Description
notification_id * required integer (formData)	ID of the Notification that will be deleted
auth_token * required string (header)	Authentication Token

Responses

Response content type

application/json

Code	Description
200	Successfully Deleted
400	Wrong Input Format
401	Authantication Problem
404	Notification Not Found
500	Database Connection Problem

POST

/profile/research_information

Adds new Research Information

Try it out

Name	Description
research_title * required string (formData)	Title of the research
description string (formData)	Description of the work Default value :
year * required integer (formData)	Year of the work
auth_token * required string (header)	Authentication Token

Responses

Response content type

application/json

Code	Description
201	Successfully Created
400	Wrong Input Format
401	Authantication Problem
500	Database Connection Problem

GET

/profile/research_information

Returns all research information of a user

Parameters

Try it out

Name	Description
user_id * required integer (query)	User id of requested user
page integer (query)	Page index that you want(Starts from 0)
per_page integer (query)	Number of items in a page
auth_token * required string (header)	Token that sent via email as a URL link

Responses

Response content type application/json

Code	Description
200	<div>Valid Response</div> <div>Example Value Model</div> <div><pre>{ "number_of_pages": 0, "research_info": [{ "id": 0, "title": "string", "description": "string", "year": 0 }]}</pre></div>
400	<div>Wrong Input Format</div>
401	<div>Authantication Problem</div>
403	<div>Private Account Problem</div>
500	<div>Database Connection Problem</div>

DELETE

/profile/research_information

Deletes Research Information

Parameters

Try it out

Name	Description
research_id * required integer (formData)	Research ID of the Research
auth_token * required string (header)	Authentication Token

Responses

Response content type application/json

Code	Description
200	Successfully Deleted
400	Wrong Input Format
401	Authantication Problem
500	Database Connection Problem

PUT

/profile/research_information

Updates a Research Information

Parameters

Try it out

Name	Description
research_id * required integer (formData)	Research ID of the Research
research_title string (formData)	Title of the research Default value :
description string (formData)	Description of the work Default value :
year integer (formData)	Year of the work Default value :
auth_token * required string (header)	Authentication Token

Responses

Response content type application/json

Code	Description
201	Successfully Updated
400	Wrong Input Format
401	Authantication Problem
500	Database Connection Problem

POST

/profile/skills

Creates a skill

Parameters

Try it out

Name	Description
name * required string (formData)	Name of the skill
auth_token * required string (header)	Authentication Token

Responses

Response content type application/json

Code	Description
201	Successfully Created
400	Wrong Input Format
401	Authentication Problem
500	Database Connection Problem

GET

/profile/skills

Returns all skill names

Parameters

Try it out

No parameters

Responses

Response content type application/json

Code	Description
200	Valid Response
404	Empty List
500	Database Connection Problem

DELETE

/profile/skills

Deletes a skill

Parameters

Try it out

Name	Description
id * required integer (formData)	Skill ID
auth_token * required string (header)	Authentication Token

Responses

Response content type

application/json

Code	Description
200	Successfully Deleted
400	Wrong Input Format
401	Authentication Problem
500	Database Connection Problem

PUT

/profile/skills

Updates a skill

Parameters

Try it out

Name	Description
id * required integer (formData)	Skill ID
name * required string (formData)	Name of the skill
auth_token * required string (header)	Authentication Token

Responses

Response content type

application/json

Code	Description
201	Successfully Updated
400	Wrong Input Format
401	Authentication Problem
500	Database Connection Problem



GET /search_engine/search_history

Try it out

Parameters

Name	Description
search_type * required integer (query)	Search Type 0 ==> User, 1 ==> Workspace, 2 ==> Upcoming Event
auth_token * required string (header)	Authantication Token(If registered)

Responses

Response content type application/json

Code	Description
200	<p>Valid Search History</p> <p>Example Value Model</p> <pre>{ "search_history": { "query": "string", "number_of_use": 0 } }</pre>
400	<p>Input Format Error</p>
401	<p>Account Problems</p>
500	<p>Database Connection Error</p>

GET /search_engine/upcoming_events																					
Parameters Try it out																					
<table><thead><tr><th>Name</th><th>Description</th></tr></thead><tbody><tr><td>search_query * <small>required</small> string <small>(query)</small></td><td>Search Query</td></tr><tr><td>date_filter_start string <small>(query)</small></td><td>Inclusive.</td></tr><tr><td>date_filter_end string <small>(query)</small></td><td>Exclusive.</td></tr><tr><td>deadline_filter_start string <small>(query)</small></td><td>Inclusive.</td></tr><tr><td>deadline_filter_end string <small>(query)</small></td><td>Exclusive.</td></tr><tr><td>sorting_criteria integer <small>(query)</small></td><td>None ==> Semantic Rating // 0 ==> Alphabetical Order(A==>Z) // 1 ==> Date Order</td></tr><tr><td>page integer <small>(query)</small></td><td>Page ID(0-Indexed)</td></tr><tr><td>per_page integer <small>(query)</small></td><td>Number of Records in a Page</td></tr><tr><td>auth_token string <small>(header)</small></td><td>Authantication Token(If registered)</td></tr></tbody></table>		Name	Description	search_query * <small>required</small> string <small>(query)</small>	Search Query	date_filter_start string <small>(query)</small>	Inclusive.	date_filter_end string <small>(query)</small>	Exclusive.	deadline_filter_start string <small>(query)</small>	Inclusive.	deadline_filter_end string <small>(query)</small>	Exclusive.	sorting_criteria integer <small>(query)</small>	None ==> Semantic Rating // 0 ==> Alphabetical Order(A==>Z) // 1 ==> Date Order	page integer <small>(query)</small>	Page ID(0-Indexed)	per_page integer <small>(query)</small>	Number of Records in a Page	auth_token string <small>(header)</small>	Authantication Token(If registered)
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Responses Response content type application/json																					
<table><thead><tr><th>Code</th><th>Description</th></tr></thead><tbody><tr><td>200</td><td><div>Valid Search Result</div><div>Example Value Model</div><pre>{ "number_of_pages": 0, "upcoming_events": [{ "id": 0, "acronym": "string", "title": "string", "location": "string", "link": "string", "date": "string", "deadline": "string" }]}</pre></td></tr><tr><td>400</td><td><div>Input Format Error</div></td></tr><tr><td>401</td><td><div>Account Problems</div></td></tr><tr><td>500</td><td><div>Database Connection Error</div></td></tr></tbody></table>		Code	Description	200	<div>Valid Search Result</div> <div>Example Value Model</div> <pre>{ "number_of_pages": 0, "upcoming_events": [{ "id": 0, "acronym": "string", "title": "string", "location": "string", "link": "string", "date": "string", "deadline": "string" }]}</pre>	400	<div>Input Format Error</div>	401	<div>Account Problems</div>	500	<div>Database Connection Error</div>										
Code	Description																				
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401	<div>Account Problems</div>																				
500	<div>Database Connection Error</div>																				

GET

/search_engine/user

Parameters

Try it out

Name	Description
search_query * required string (query)	Search Query
job_filter integer (query)	Job Filter(Give as ID)
sorting_criteria integer (query)	None => Semantic Rating // 0 => Alphabetical Order(A=>Z) // 1 => Alphabetical Order (Z=>A)
page integer (query)	Page ID(0-Indexed)
per_page integer (query)	Number of Records in a Page
auth_token string (header)	Authantication Token(If registered)

Responses

Response content type application/json

Code	Description
200	<div>Valid Search Result</div> <div>Example Value Model</div> <div><pre>{ "number_of_pages": 0, "result_list": [{ "id": 0, "name": "string", "surname": "string", "profile_photo": "string", "e_mail": "string", "job_id": 0 }]}</pre></div>
400	<div>Input Format Error</div>
401	<div>Account Problems</div>
500	<div>Database Connection Error</div>

GET

/search_engine/workspace

Parameters

Try it out

Name	Description
search_query * <i>required</i> string (query)	Search Query
skill_filter string (query)	Skill Filter
creator_name string (query)	Name of the creator
creator_surname string (query)	Surname of the creator
starting_date_start string (query)	Inclusive.
starting_date_end string (query)	Exclusive.
deadline_start string (query)	Inclusive.
deadline_end string (query)	Exclusive.
sorting_criteria integer (query)	None: Semantic Rating, 0: Ascending Date, 1: Descending Date, 2: Ascending Number of Collaborators Needed, 3: Descending Number of Collaborators Needed, 4: Ascending Alphabetical Order, 5: Descending Alphabetical Order
page integer (query)	Page ID(0-Indexed)
per_page integer (query)	Number of Records in a Page
auth_token string (header)	Authantication Token(If registered)

Responses

Response content type

application/json

Code	Description
200	<div>Valid Search Result</div> <div>Example Value Model</div> <div><pre>{ "workspaces": [{ "id": 0, "title": "string", "description": "string", "state": 0, "creator_id": 0, "contributors": [{ "id": 0, "name": "string", "surname": "string" }] }]}</pre></div>
400	<div>Input Format Error</div>
401	<div>Account Problems</div>
500	<div>Database Connection Error</div>



POST

/workspaces

Creates a new workspace

Parameters

Try it out

Name	Description
title * required string (formData)	Title of the new workspace
description * required string (formData)	Description of the new workspace
is_private integer (formData)	Privacy status of the new workspace
max_collaborators integer (formData)	Maximum number of collaborators of the new workspace
deadline string (formData)	Deadline of the new workspace
requirements string (formData)	The list of the requirements to be able to join the new workspace
skills string (formData)	The list of the skills required to be able to join the new workspace
upcoming_events string (formData)	The list of the upcoming events that are related to the new workspace
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
201	Workspace has been successfully created.
400	Missing data fields or invalid data.
500	The server is not connected to the database.

GET

/workspaces

Returns the requested workspace(s)

Try it out

Parameters

Name	Description
workspace_id * required integer (query)	ID of the requested workspace
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	Workspace(s) found.
400	Missing data fields or invalid data.
401	The user is not allowed to view this workspace.
404	Requested workspace is not found.
500	The server is not connected to the database.

DELETE

/workspaces

Deletes the requested workspace

Try it out

Parameters

Name	Description
workspace_id * required integer (formData)	ID of the requested workspace
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	Workspace has been successfully deleted.
400	Missing data fields or invalid data.
401	You are not the creator of this workspace, you cannot delete it.
404	The workspace is not found.
500	The server is not connected to the database.

PUT

/workspaces

Updates the requested workspace

Parameters

Try it out

Name	Description
workspace_id * required integer (formData)	ID of the workspace to be updated
title string (formData)	Updated title of the new workspace
description string (formData)	Updated description of the new workspace
is_private integer (formData)	Updated privacy status of the new workspace
max_collaborators integer (formData)	Updated maximum number of collaborators of the new workspace
deadline string (formData)	Updated deadline of the new workspace
requirements string (formData)	Updated list of the requirements to be able to join the new workspace
skills string (formData)	Updated list of the skills required to be able to join the new workspace
state integer (formData)	Updated state of the workspace
upcoming_events string (formData)	The list of the upcoming events that are related to the new workspace
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	Workspace has been successfully updated.
202	Server has received the request but there was no information to be updated.
400	Missing data fields or invalid data.
401	You are not among the active contributors of this workspace, you cannot modify it.
404	The workspace is not found.
500	The server is not connected to the database.

POST

/workspaces/applications

Creates an application for a workspace

Try it out

Name	Description
workspace_id * required integer (formData)	ID of the workspace that the application is sent to
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
201	Application has been successfully created.
400	Missing data fields or invalid data.
404	The workspace does not exist.
409	The user is already an active contributor of this workspace OR there is already an application sent to this workspace. OR the workspace has already reached its maximum number of collaborators OR this workspace is not in 'search for collaborators' state.
500	The server is not connected to the database.

GET

/workspaces/applications

From the database, retrieves the requested pending application(s) sent to the workspace and returns them

Try it out

Name	Description
application_id integer (query)	ID of the application to be retrieved from the database
workspace_id * required integer (query)	ID of the workspace that the application(s) is sent to
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	Application(s) found.
400	Missing data fields or invalid data.
403	The user is not an active contributor of this workspace.
404	Application(s) not found.
500	The server is not connected to the database.

DELETE

/workspaces/applications

Responds to the application with the given ID

Parameters

Try it out

Name	Description
application_id * required integer (formData)	ID of the application sent
is_accepted * required string (formData)	Acceptance status of the collaboration application
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	Application has been successfully responded.
400	Missing data fields or invalid data.
403	The user is not an active contributor of this workspace.
404	The application is not found.
500	The server is not connected to the database.

POST

/workspaces/invitations

Creates an invitation for a workspace

(i.e. an invitation for a workspace gets sent to the invitee user)

Parameters

Try it out

Name	Description
workspace_id * required integer (formData)	ID of the workspace that the invitation is sent for
invitee_id * required integer (formData)	ID of the user that the invitation is sent to
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
201	Invitation has been successfully created.
400	Missing data fields or invalid data.
401	You are not the creator of this workspace, you cannot invite users to this workspace.
404	The workspace or the invitee user does not exist.
409	Invitee user is already an active contributor of this workspace OR there is already an invitation sent to the invitee user for this workspace. OR the workspace has already reached its maximum number of collaborators OR this workspace is not in 'search for collaborators' state.
500	The server is not connected to the database.

GET

/workspaces/invitations

From the database, retrieves the requested pending invitation(s) sent to the user and returns them

Parameters

Try it out

Name	Description
invitation_id integer (query)	ID of the invitation to be retrieved from the database
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	Invitation(s) found.
400	Missing data fields or invalid data.
404	Invitation(s) not found.
500	The server is not connected to the database.

DELETE

/workspaces/invitations

Responds to the invitation with the given ID

Parameters

Try it out

Name	Description
invitation_id * required integer (formData)	ID of the invitation sent
is_accepted * required string (formData)	Acceptance status of the collaboration invitation
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	Invitation has been successfully responded.
400	Missing data fields or invalid data.
401	You are not the invitee of this invitation, you cannot respond to it.
404	The invitation is not found.
500	The server is not connected to the database.

POST /workspaces/issue <small>Creates issue</small>	
Parameters Try it out	
Name	Description
workspace_id * required integer (formData)	ID of the requested workspace
title * required string (formData)	Title of the new issue
description * required string (formData)	Description of the new issue
deadline string (formData)	Should be in DateTime form. e.g. 2015-12-20 10:01:00
auth_token * required string (header)	Authentication token
Responses Response content type application/json ▾	
Code	Description
200	<div>Success</div> <div>Example Value Model</div> <div><pre>{ "msg": "string", "issue_id": 0, "workspace_id": 0, "title": "string", "description": "string", "deadline": "2021-01-05T19:14:28.272Z", "is_open": true, "creator_id": 0 }</pre></div>
400	<div>Input Format Error</div>
401	<div>Account Problems</div>
404	<div>Not found</div>
500	<div>Database Connection Error</div>

GET /workspaces/issue <small>Get Issues</small>													
Parameters Try it out													
<table><thead><tr><th>Name</th><th>Description</th></tr></thead><tbody><tr><td>workspace_id * required integer <i>(query)</i></td><td>ID of the requested workspace</td></tr><tr><td>page integer <i>(query)</i></td><td>Page index that you want(Starts from 0)</td></tr><tr><td>per_page integer <i>(query)</i></td><td>Number of items in a page</td></tr><tr><td>auth_token * required string <i>(header)</i></td><td>Authentication token</td></tr></tbody></table>		Name	Description	workspace_id * required integer <i>(query)</i>	ID of the requested workspace	page integer <i>(query)</i>	Page index that you want(Starts from 0)	per_page integer <i>(query)</i>	Number of items in a page	auth_token * required string <i>(header)</i>	Authentication token		
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401	<div>Account Problems</div>												
404	<div>Not found</div>												
500	<div>Database Connection Error</div>												

DELETE

/workspaces/issue

Deletes an issue

Try it out

Parameters

Name	Description
workspace_id * required integer (formData)	ID of the requested workspace
issue_id * required integer (formData)	ID of the issue
auth_token * required string (header)	Authentication token

Responses

Response content type

application/json

Code	Description
400	Input Format Error
401	Account Problems
404	Not found
500	Database Connection Error

PUT

/workspaces/issue

Updates an issue

Try it out

Parameters

Name	Description
workspace_id * required integer (formData)	ID of the requested workspace
issue_id * required integer (formData)	ID of the issue
title string (formData)	Title of the updated issue
description string (formData)	Description of the updated issue
deadline string (formData)	Updated deadline of the new issue
auth_token * required string (header)	Authentication token

Responses

Response content type

application/json

Code	Description
400	Input Format Error
401	Account Problems
404	Not found
500	Database Connection Error

POST

/workspaces/issue/assignee

Create issue assignee record

Parameters

Try it out

Name	Description
workspace_id * required integer (formData)	ID of the requested workspace
issue_id * required integer (formData)	ID of the issue
assignee_id * required integer (formData)	ID of the assignee
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
400	Input Format Error
401	Account Problems
404	Not found
500	Database Connection Error

GET /workspaces/issue/assignee Get Issue Assignees													
Parameters Try it out													
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401	<div>Account Problems</div>												
404	<div>Not found</div>												
500	<div>Database Connection Error</div>												

DELETE

/workspaces/issue/assignee

Deletes an issue assignee

Parameters

Try it out

Name	Description
workspace_id * required integer (formData)	ID of the requested workspace
issue_id * required integer (formData)	ID of the issue
assignee_id * required integer (formData)	ID of the assignee
auth_token * required string (header)	Authentication token

Responses

Response content type

application/json

Code	Description
400	<div>Input Format Error</div>
401	<div>Account Problems</div>
404	<div>Not found</div>
500	<div>Database Connection Error</div>

POST

/workspaces/issue/comment

Create issue comment

Parameters

Try it out

Name	Description
workspace_id * required integer (formData)	ID of the requested workspace
issue_id * required integer (formData)	ID of the issue
comment * required string (formData)	Comment
auth_token * required string (header)	Authentication token

Responses

Response content type

application/json

Code	Description
400	<div>Input Format Error</div>
401	<div>Account Problems</div>
404	<div>Not found</div>
500	<div>Database Connection Error</div>

GET /workspaces/issue/comment Get Issue Comments													
Parameters Try it out													
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400	<div>Input Format Error</div>												
401	<div>Account Problems</div>												
404	<div>Not found</div>												
500	<div>Database Connection Error</div>												

DELETE

/workspaces/issue/comment

Deletes an issue comment

Try it out

Name	Description
workspace_id * required integer (formData)	ID of the requested workspace
issue_id * required integer (formData)	ID of the issue
comment_id * required integer (formData)	ID of the comment
auth_token * required string (header)	Authentication token

Responses

Response content typeapplication/json

Code	Description
400	<div>Input Format Error</div>
401	<div>Account Problems</div>
404	<div>Not found</div>
500	<div>Database Connection Error</div>

POST

/workspaces/milestone

Creates milestone

Try it out

Name	Description
workspace_id * required integer (formData)	ID of the requested workspace
title * required string (formData)	Title of the new milestone
description * required string (formData)	Description of the new milestone
deadline * required string (formData)	Should be in DateTime form. e.g. 2015-12-20 10:01:00
auth_token * required string (header)	Authentication token

Responses

Response content typeapplication/json

Code	Description
400	<div>Input Format Error</div>
401	<div>Account Problems</div>
404	<div>Not found</div>
500	<div>Database Connection Error</div>

GET /workspaces/milestone Get Milestones													
Parameters Try it out													
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401	<div>Account Problems</div>												
404	<div>Not found</div>												
500	<div>Database Connection Error</div>												

DELETE

/workspaces/milestone

Deletes a milestone

Try it out

Name	Description
workspace_id * required integer (formData)	ID of the requested workspace
milestone_id * required integer (formData)	ID of the milestone
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
400	Input Format Error
401	Account Problems
404	Not found
500	Database Connection Error

PUT

/workspaces/milestone

Updates a milestone

Try it out

Name	Description
workspace_id * required integer (formData)	ID of the requested workspace
milestone_id * required integer (formData)	ID of the issue
title string (formData)	Title of the updated milestone
description string (formData)	Description of the updated milestone
deadline string (formData)	Updated deadline of the milestone
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
400	Input Format Error
401	Account Problems
404	Not found
500	Database Connection Error

DELETE

/workspaces/quit

Use it to quit from a workspace

Try it out

Name	Description
workspace_id * required integer (formData)	ID of the Workspace
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
201	You successfully quitted from workspace
400	Missing or invalid data
401	Login Required

GET

/workspaces/self

Returns all workspaces of the user(Public and Private)

Try it out

Name	Description
auth_token * required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	<div>Valid Response</div> <div>Example Value Model</div> <pre>{ "workspaces": [{ "id": 0, "title": "string", "description": "string", "state": 0, "creator_id": 0, "contributors": [{ "id": 0, "name": "string", "surname": "string" }] }]}</pre>
401	Authantication Problem
500	Database Connection Problem

GET

/workspaces/trending_projects

Parameters

Try it out

Name	Description
number_of_workspaces * required integer (query)	Number of Workspaces

Responses

Response content type application/json

Code	Description
200	<div>Valid Response</div> <div>Example Value Model</div> <pre>{ "trending_projects": [{ "id": 0, "title": "string", "description": "string", "state": 0, "creator_id": 0, "contributors": [{ "id": 0, "name": "string", "surname": "string" }] }]}</pre>

| 400 | Invalid Input Format |

GET /workspaces/user Only returns public workspaces of the user with given ID	
Parameters Try it out	
Name	Description
user_id * required integer (query)	ID of the user
auth_token * required string (header)	Authentication token
Responses Response content type application/json	
Code	Description
200	<div>Valid Response</div> <div>Example Value Model</div> <pre>{ "workspaces": [{ "id": 0, "title": "string", "description": "string", "state": 0, "creator_id": 0, "contributors": [{ "id": 0, "name": "string", "surname": "string" }] }]}</pre>
400	<div>Invalid Input</div>
401	<div>Authantication Problem</div>
403	<div>Private Profile</div>
500	<div>Database Connection Problem</div>



POST

/file_system/file

Parameters

Try it out

Name	Description
workspace_id * required integer <i>(formData)</i>	Workspace ID
path * required string <i>(formData)</i>	Path of the File
filename * required string <i>(formData)</i>	Name of the File
new_file * required file <i>(formData)</i>	Upload File Here
auth_token * required string <i>(header)</i>	Authantication Token

Responses

Response content type

application/json

Code	Description
201	<div>File Successfully Uploaded</div>
400	<div>Invalid Input</div>
401	<div>Authantication Problem</div>
403	<div>Forbidden Path</div>
404	<div>User if not found</div>

GET

/file_system/file

Try it out

Parameters

Name	Description
workspace_id * required integer (query)	Workspace ID
path * required string (query)	Path of the File
filename * required string (query)	Name of the File
auth_token * required string (header)	Authantication Token

Responses

Response content type application/json

Code	Description
200	Valid Data
400	Invalid Input
401	Authantication Problem
403	Forbidden Path
404	User if not found

DELETE

/file_system/file

Try it out

Parameters

Name	Description
workspace_id * required integer (formData)	Workspace ID
path * required string (formData)	Path of the File
filename * required string (formData)	Name of the File
auth_token * required string (header)	Authantication Token

Responses

Response content type application/json

Code	Description
200	File Successfully Deleted
400	Invalid Input
401	Authantication Problem
403	Forbidden Path
404	User if not found

PUT

/file_system/file

Parameters

Try it out

Name	Description
workspace_id * required integer (formData)	Workspace ID
path * required string (formData)	Path of the File
filename * required string (formData)	Name of the File
new_file * required file (formData)	Upload File Here
auth_token * required string (header)	Authenticaiton Token

Responses

Response content type application/json

Code	Description
200	File Name Successfully Changed
400	Invalid Input
401	Authantication Problem
403	Forbidden Path
404	User if not found

POST

/file_system/folder

Parameters

Try it out

Name	Description
workspace_id * required integer (formData)	Workspace ID
path * required string (formData)	Path of the Folder
new_folder_name * required string (formData)	Name of the new folder
auth_token * required string (header)	Authantication Token

Responses

Response content type application/json

Code	Description
201	Folder Successfully Created
400	Invalid Input
401	Authantication Problem
403	Forbidden Path
404	User if not found

GET

/file_system/folder

Parameters

Try it out

Name	Description
workspace_id * required integer (query)	Workspace ID
path * required string (query)	Path of the Folder
auth_token * required string (header)	Authantication Token

Responses

Response content typeapplication/json

Code	Description
200	<div>Valid Folder</div> <div>Example Value Model</div> <div><pre>{ "files": ["string"], "folders": ["string"], "cwd": "string"}</pre></div>
400	<div>Invalid Input</div>
401	<div>Authantication Problem</div>
403	<div>Forbidden Path</div>
404	<div>User if not found</div>

DELETE

/file_system/folder

Parameters

Try it out

Name	Description
workspace_id * required integer (formData)	Workspace ID
path * required string (formData)	Path of the Folder
auth_token * required string (header)	Authantication Token

Responses

Response content typeapplication/json

Code	Description
200	<div>Folder Successfully Deleted</div>
400	<div>Invalid Input</div>
401	<div>Authantication Problem</div>
403	<div>Forbidden Path</div>
404	<div>User if not found</div>

PUT

/file_system/folder

Parameters

Try it out

Name	Description
workspace_id * required integer (formData)	Workspace ID
path * required string (formData)	Path of the Folder
new_folder_name * required string (formData)	Name of the new folder
auth_token * required string (header)	Authantication Token

Responses

Response content type application/json

Code	Description
200	Folder Name Successfully Changed
400	Invalid Input
401	Authantication Problem
403	Forbidden Path
404	User if not found

Upcoming Events

Upcoming Events Endpoints

GET

/upcoming_events

Parameters

Try it out

Name	Description
page integer (query)	Page ID(0-Indexed)
per_page integer (query)	Number of Records in a Page

Responses

Response content type application/json

Code	Description
200	<div>Valid Response</div> <div>Example Value Model</div> <div><pre>{ "number_of_pages": 0, "upcoming_events": [{ "id": 0, "acronym": "string", "title": "string", "location": "string", "link": "string", "date": "string", "deadline": "string" }]}</pre></div>
500	Database Connection Problem

GET**/auth_system/admin** Deletes the specified user from the system**Parameters**[Try it out](#)

No parameters

Responses

Response content type

application/json

**Code****Description**

200

Valid Response

400

Inappropriate Input

401

Unauthorized Input

500

Database Connection Error

POST

/auth_system/admin

Suspends the specied user from the system

Parameters

Try it out

No parameters

Responses

Response content type

application/json

Code	Description
200	<div>Valid Response</div>
400	<div>Inappropriate Input</div>
401	<div>Unauthorized Input</div>
500	<div>Database Connection Error</div>

GET

/follow/report

Get Reports of User

Parameters

Try it out

Name	Description
page integer (query)	Page index that you want(Starts from 0)
per_page integer (query)	Number of items in a page
auth_token * required string (header)	Authentication token

Responses

Response content type

application/json

Code	Description
200	<div>Success</div>

Example Value | Model

```
{
  "number_of_pages": 0,
  "result": [
    {
      "report_id": 0,
      "owner_id": 0,
      "reported_user_id": 0,
      "reported_user_name": "string",
      "reported_user_surname": "string",
      "text": "string"
    }
  ]
}
```

400	<i>Input Format Error</i>
401	<i>Account Problems</i>
404	<i>Not found</i>
500	<i>Database Connection Error</i>

DELETE

/follow/report

Deletes an user report

Parameters

Try it out

Name	Description
report_id * required integer (query)	ID of the report
auth_token * required string (header)	Authentication token

Responses

Response content type

application/json

▼

Code	Description
200	<i>Success</i>
400	<i>Input Format Error</i>
401	<i>Account Problems</i>
404	<i>Not found</i>
500	<i>Database Connection Error</i>

POST

/follow/report

Create user report

Parameters

Try it out

Name	Description
reported_user_id * required integer (formData)	ID of the reported user
text string (formData)	Report for the User
auth_token * required string (header)	Authentication token

Responses

Response content typeapplication/json

Code	Description
200	<i>Success</i>
400	<i>Input Format Error</i>
401	<i>Account Problems</i>
404	<i>Not found</i>
500	<i>Database Connection Error</i>

GET
/search_engine/tag_search

Parameters
Try it out

Name	Description
search_type integer (query)	0 => User 1 => Worksapce
skills string (query)	The list of the skills required to be able to join the new workspace
page integer (query)	Page ID(0-Indexed)
per_page integer (query)	Number of Records in a Page

Responses
Response content type
application/json

Code	Description
200	<div><i>Valid Users</i></div> <div>Example Value Model</div> <div><pre>{ "number_of_pages": 0, "result_list": [{ "id": 0, "name": "string", "surname": "string", "profile_photo": "string", "e_mail": "string", "job_id": 0 }] }</pre></div>
201	<div><i>Valid Workspaces</i></div>

	<div>Example Value Model</div> <div><pre>{ "workspaces": [{ "id": 0, "title": "string", "description": "string", "state": 0, "creator_id": 0, "contributors": [{ "id": 0, "name": "string", "surname": "string" }] }] }</pre></div>
400	<div><i>Input Format Error</i></div>
401	<div><i>Account Problems</i></div>
500	<div><i>Database Connection Error</i></div>

GET

/upcoming_events/personal_calendar

Returns the the personal calendar (workspaces, issues, milestones with their deadlines) of a user

Parameters

Try it out

Name	Description
auth_token ★ required string (header)	Authentication token

Responses

Response content type application/json

Code	Description
200	<i>Calendar has been successfully returned.</i>
500	<i>The server is not connected to the database.</i>

GET

/activity_stream

Returns activity stream of an user

Parameters

Try it out

Name	Description
page ★ required integer (query)	Page index that you want(Starts from 0)
per_page ★ required integer (query)	Number of items in a page
auth_token ★ required string (header)	Authentication Token

Responses

Response content type application/json

Code	Description
200	<i>Success</i>

Example Value | Model

```
{
  "@context": "string",
  "summary": "string",
  "type": "string",
  "id": 0,
  "totalItems": 0,
  "orderedItems": [
    {
      "@context": {
        "@vocab": "string",
        "@language": "string"
      },
      "summary": "string",
      "type": "string",
      "actor": {
        "type": "string",
        "id": 0,
        "name": "string",
        "image": {
          "type": "string",
          "url": "string"
        }
      },
      "object": {
        "type": "string",
        "id": 0,
        "name": "string",
        "image": {
```

400

Input Format Error

401

Account Problems

404

Not found

500

Database Connection Error

```
{
  "@context": "string",
  "summary": "string",
  "type": "string",
  "id": 0,
  "totalItems": 0,
  "orderedItems": [
    {
      "@context": {
        "@vocab": "string",
        "@language": "string"
      },
      "summary": "string",
      "type": "string",
      "actor": {
        "type": "string",
        "id": 0,
        "name": "string",
        "image": {
          "type": "string",
          "url": "string"
        }
      }
    }
  ],
}
```

```
"object": {
  "type": "string",
  "id": 0,
  "name": "string",
  "image": {
    "type": "string",
    "url": "string"
  },
  "content": "string",
  "ext:ratingValue": 0
},
"target": {
  "type": "string",
  "id": 0,
  "name": "string",
  "image": {
    "type": "string",
    "url": "string"
  }
}
}
}
}
```