# Todo App API (1.0.0)

Download OpenAPI specification:

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Todo App API Support: support@todoapp.com

A comprehensive todo management API with lists, todos, and user management

### Authentication

# Register a new user

Creates a new user account with the provided information

<u>AUTHORIZATIONS:</u> > BearerAuth

REQUEST BODY SCHEMA: application/json

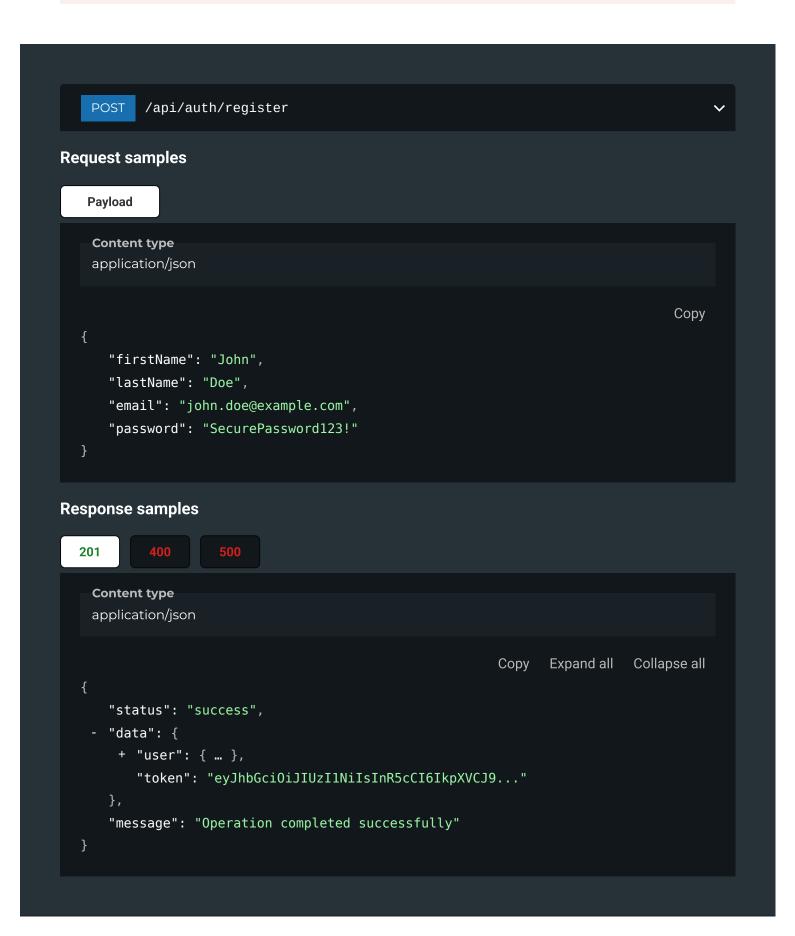
required

required	
→ firstName required	string User's first name
→ lastName required	string User's last name
⊣ email required	string <email> User's email address</email>
n password required	string User's password (minimum 8 characters)

### Responses

> 201 User registered successfully

> 400 Validation error or user already exists



## Login user

AUTHORIZATIONS: > BearerAuth

REQUEST BODY SCHEMA: application/json
required

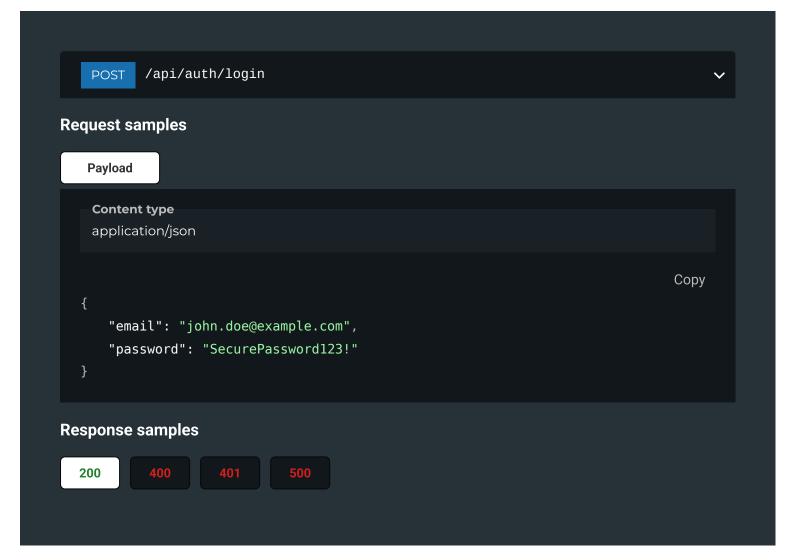
I email string <email>
User's email address

I password required

User's password
User's password

#### Responses

> 200 User logged in successfully
 > 400 Validation error
 > 401 Invalid credentials
 > 500 Internal server error



```
Content type
application/json

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"status": "success",

- "data": {
    + "user": { ... },
        "token": "eyJhbGciOiJIUzIINiIsInR5cCI6IkpXVCJ9..."
    },

"message": "Operation completed successfully"
}
```

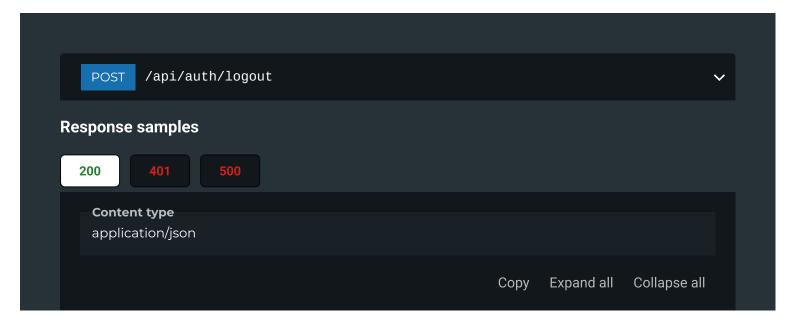
## Logout user

Logs out the current user and invalidates their session

AUTHORIZATIONS: > BearerAuth

### Responses

> 200 User logged out successfully
 > 401 Unauthorized - invalid or missing token
 > 500 Internal server error



```
{
    "status": "success",
    "data": { },
    "message": "Operation completed successfully"
}
```

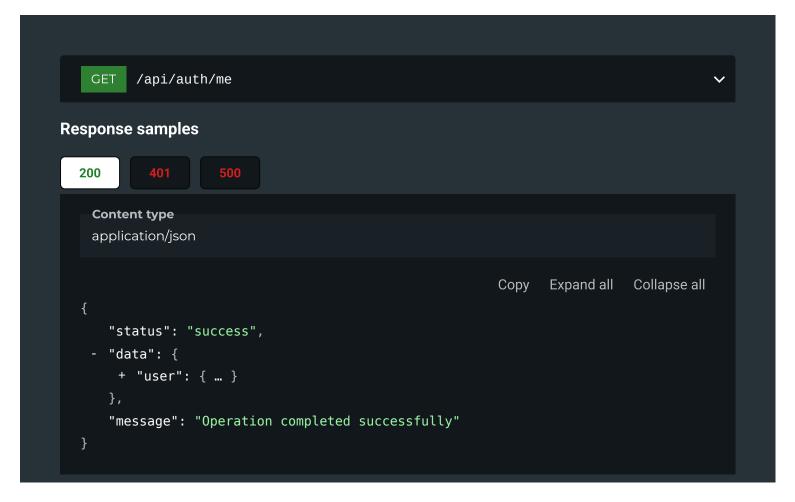
#### Get current user

Retrieves the profile information of the currently authenticated user

AUTHORIZATIONS: > BearerAuth

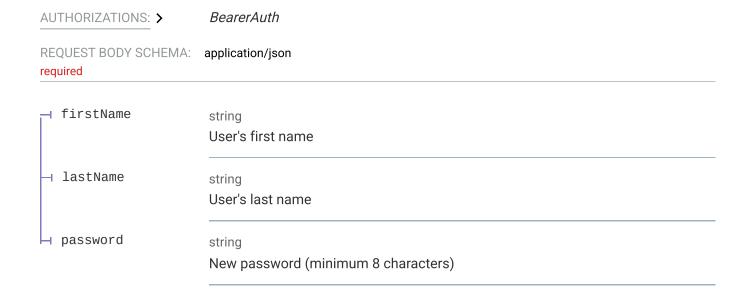
#### Responses

200 Current user information retrieved successfully
 401 Unauthorized - invalid or missing token
 500 Internal server error



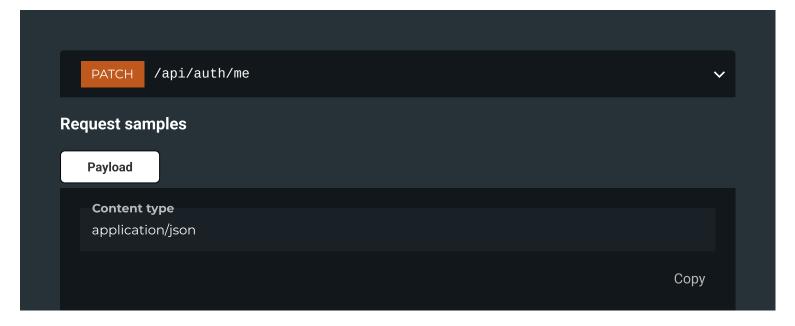
# Update user profile

Updates the profile information of the currently authenticated user



### Responses

> 200 User profile updated successfully
 > 400 Validation error
 > 401 Unauthorized - invalid or missing token
 > 500 Internal server error



### Todo Lists

### Create a new todo list

Creates a new todo list for the current user

```
AUTHORIZATIONS: > BearerAuth

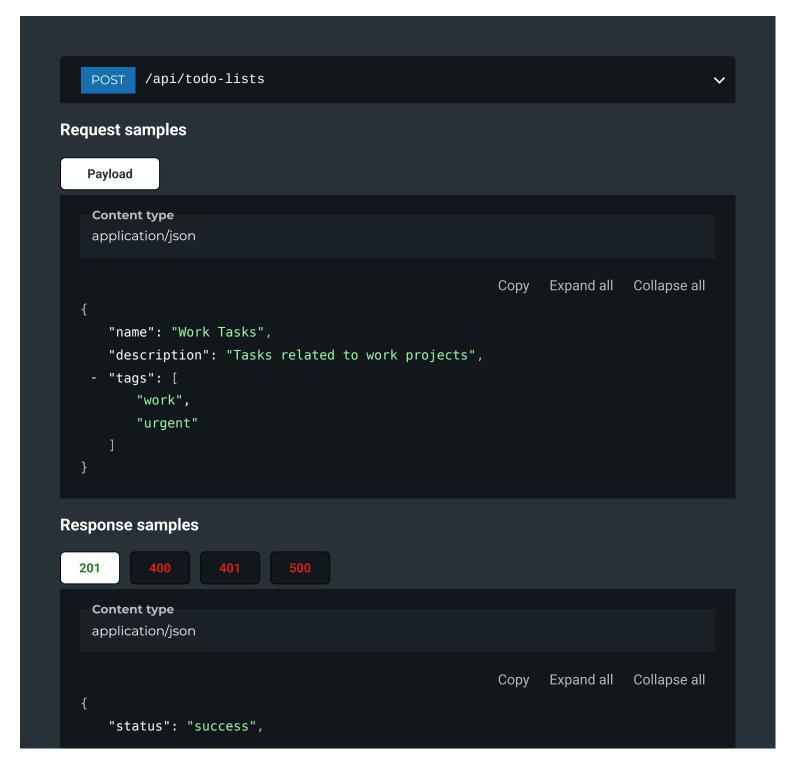
REQUEST BODY SCHEMA: application/json
required

I name string Name of the todo list

I description string Description of the todo list

I tags Array of strings
```

> 201 Todo list created successfully
 > 400 Validation error
 > 401 Unauthorized - invalid or missing token
 > 500 Internal server error

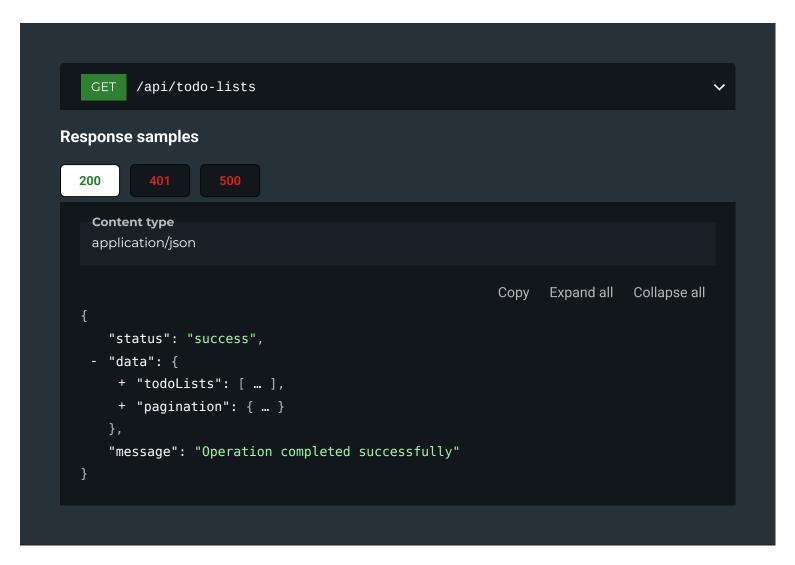


### Get all todo lists for the current user

Retrieves all todo lists that the user has access to with optional filtering and sorting

```
BearerAuth
AUTHORIZATIONS: >
QUERY PARAMETERS
⊣ search
                        string
                        Example: search=work
                        Search in todo list name and description
⊣ sortBy
                        string
                        Enum: "createdAt" "updatedAt" "name"
                        Example: sortBy=createdAt
                        Sort field
 ⊣ sortOrder
                        string
                        Enum: "asc" "desc"
                        Example: sortOrder=desc
                        Sort order
→ page
                        integer >= 1
                        Example: page=1
                        Page number for pagination
⊣ limit
                       integer [1..100]
                        Example: limit=10
                        Number of items per page
```

```
    200 Todo lists retrieved successfully
    401 Unauthorized - invalid or missing token
```



# Get a specific todo list by ID

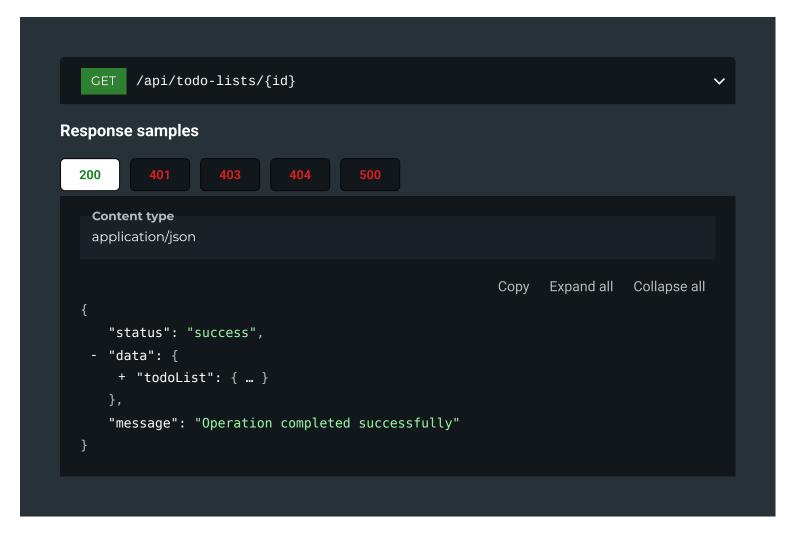
Retrieves a specific todo list by its ID

AUTHORIZATIONS: >	BearerAuth
PATH PARAMETERS	
→ id required	string Example: 6479a2e8b123456789abcdef Todo list ID

### Responses

> 200 Todo list retrieved successfully

```
    > 401 Unauthorized - invalid or missing token
    > 403 Forbidden - no access to this todo list
    > 404 Todo list not found
    > 500 Internal server error
```

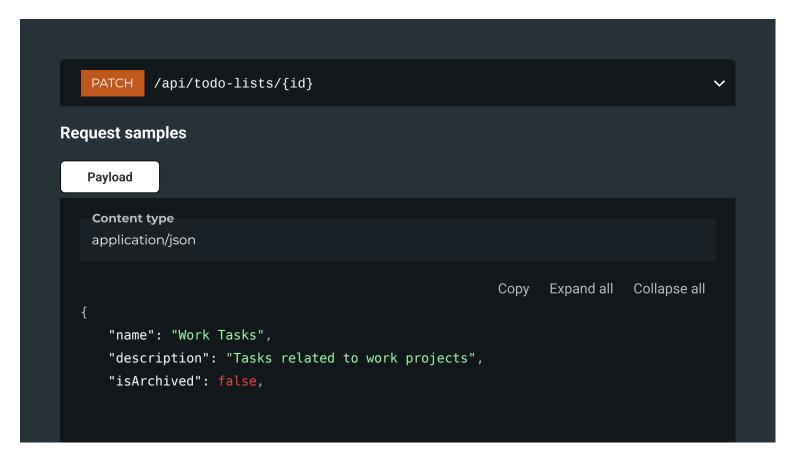


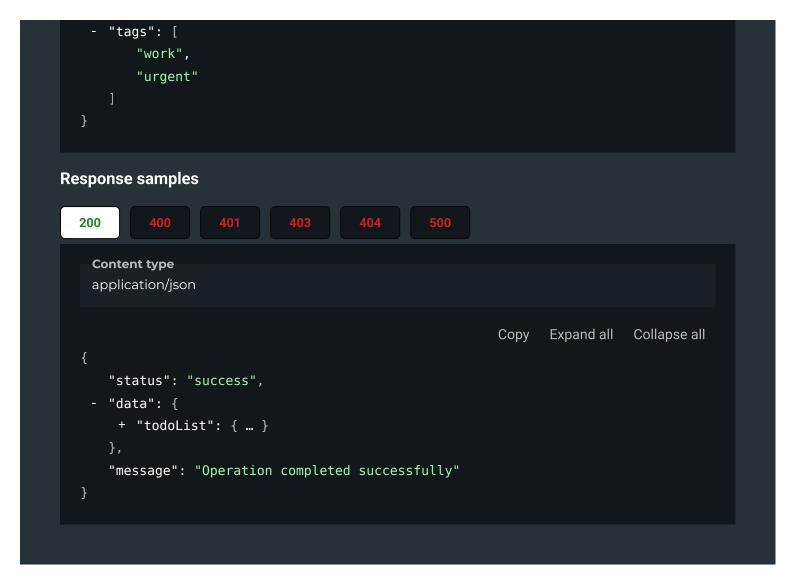
# Update a todo list

Updates an existing todo list

— name	string Name of the todo list
→ description	string
	Description of the todo list
⊣ isArchived	boolean
	Whether to archive the list
⊣ tags	Array of strings
	Tags to associate with the list

```
    > 200 Todo list updated successfully
    > 400 Validation error
    > 401 Unauthorized - invalid or missing token
    > 403 Forbidden - no access to this todo list
    > 404 Todo list not found
    > 500 Internal server error
```





#### Delete a todo list

Deletes an existing todo list

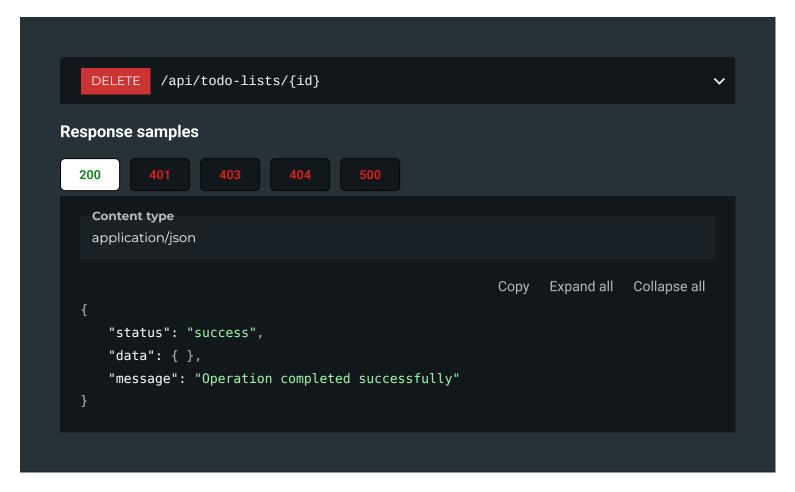


## Responses

200 Todo list deleted successfully
 401 Unauthorized - invalid or missing token
 403 Forbidden - no access to this todo list

```
> 404 Todo list not found
```

> 500 Internal server error



## Add a member to a todo list

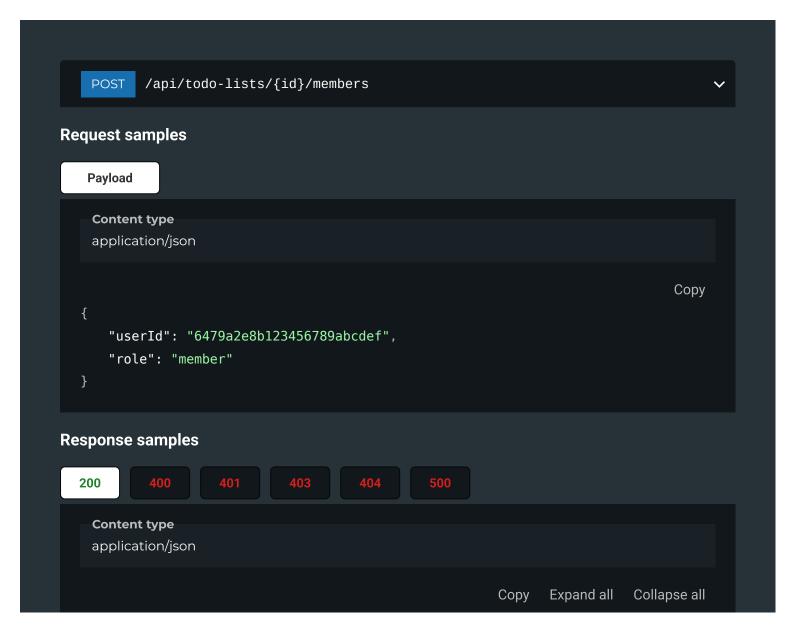
Adds a new member to the specified todo list

AUTHORIZATIONS: >	BearerAuth
PATH PARAMETERS	
→ id required	string Example: 6479a2e8b123456789abcdef Todo list ID
REQUEST BODY SCHEMA: required	application/json
→ userId required	string User ID to add as a member



```
string
Enum: "admin" "member" "viewer"
Role to assign to the new member
```

```
    > 200 Member added successfully
    > 400 Validation error or member already exists
    > 401 Unauthorized - invalid or missing token
    > 403 Forbidden - no access to this todo list or insufficient permissions
    > 404 Todo list or user not found
    > 500 Internal server error
```



```
{
    "status": "success",
    - "data": {
        + "todoList": { ... }
    },
    "message": "Operation completed successfully"
}
```

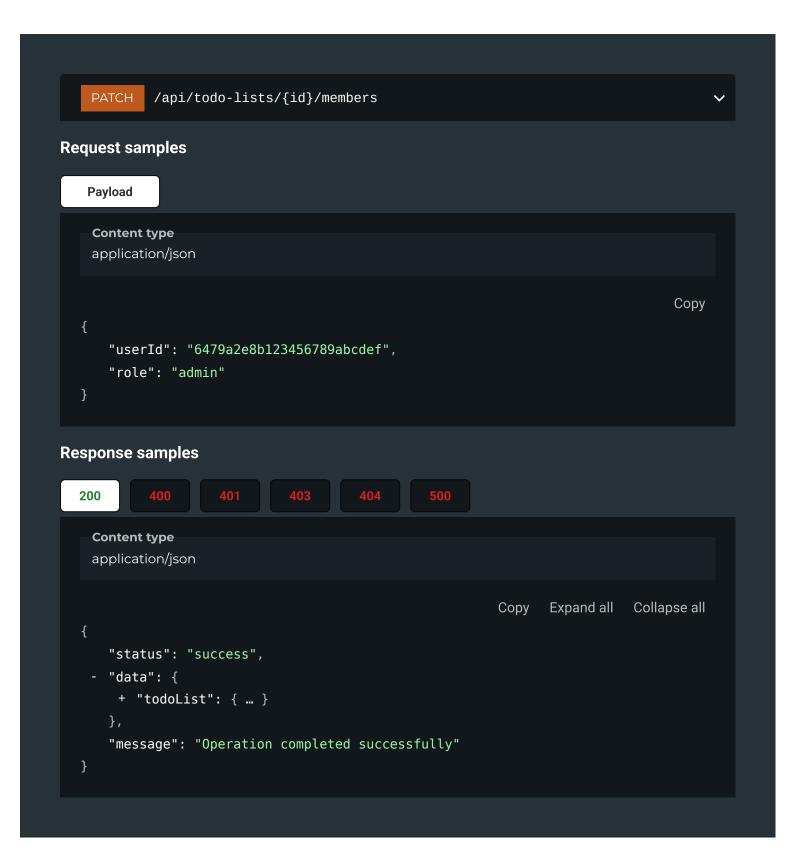
# Update a member's role

Updates the role of an existing member in the todo list

```
BearerAuth
AUTHORIZATIONS: >
PATH PARAMETERS
-id
                        string
   required
                        Example: 6479a2e8b123456789abcdef
                        Todo list ID
REQUEST BODY SCHEMA: application/json
required
 ⊣ userId
                        string
   required
                        User ID of the member to update
 ⊣ role
                        string
   required
                        Enum: "admin" "member" "viewer"
                        New role to assign to the member
```

### Responses

> 200 Member role updated successfully
 > 400 Validation error
 > 401 Unauthorized - invalid or missing token
 > 403 Forbidden - no access to this todo list or insufficient permissions
 > 404 Todo list or member not found



# Remove a member from a todo list

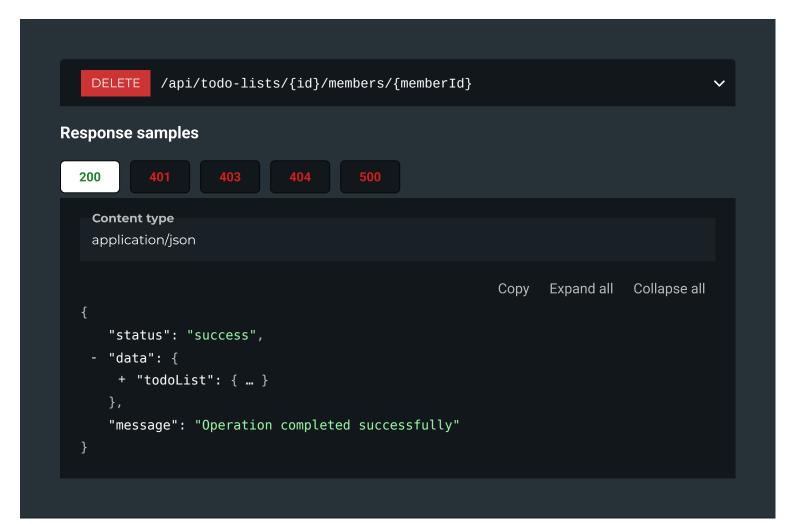
Removes an existing member from the specified todo list

AUTHORIZATIONS: >

BearerAuth



200 Member removed successfully
 401 Unauthorized - invalid or missing token
 403 Forbidden - no access to this todo list or insufficient permissions
 404 Todo list or member not found
 500 Internal server error

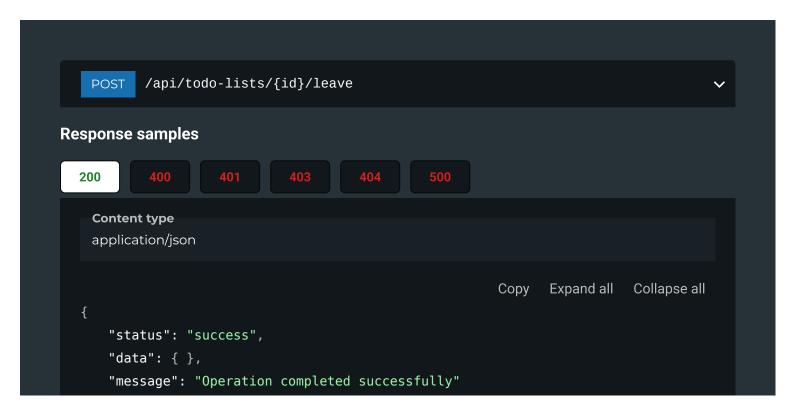


### Leave a todo list

Allows the current user to leave a todo list they are a member of



```
    > 200 Successfully left the todo list
    > 400 Cannot leave - user is the owner or last member
    > 401 Unauthorized - invalid or missing token
    > 403 Forbidden - not a member of this todo list
    > 404 Todo list not found
    > 500 Internal server error
```



## Get all todos for a specific list

Retrieves all todos belonging to a specific list with optional filtering and sorting

```
BearerAuth
AUTHORIZATIONS: >
PATH PARAMETERS
→ listId
                       string
  required
                       Example: 6479a2e8b123456789abcdef
                       Todo list ID
QUERY PARAMETERS
⊣ status
                       string
                       Enum: "not_started" "in_progress" "completed"
                       Example: status=in_progress
                       Filter by todo status
→ priority
                       string
                       Enum: "low" "medium" "high" "urgent"
                       Example: priority=high
                       Filter by todo priority
⊣ tags
                       string
                       Example: tags=work, urgent
                       Filter by tags (comma-separated)
⊣ search
                       string
                       Example: search=project
                       Search in todo name and description
⊣ sortBy
                       string
                       Enum: "createdAt" "updatedAt" "dueDate" "priority" "name"
                       Example: sortBy=dueDate
                       Sort field
⊣ sortOrder
                       string
                       Enum: "asc" "desc"
                       Example: sortOrder=asc
                       Sort order
 ⊣ page
                       integer >= 1
                       Example: page=1
```

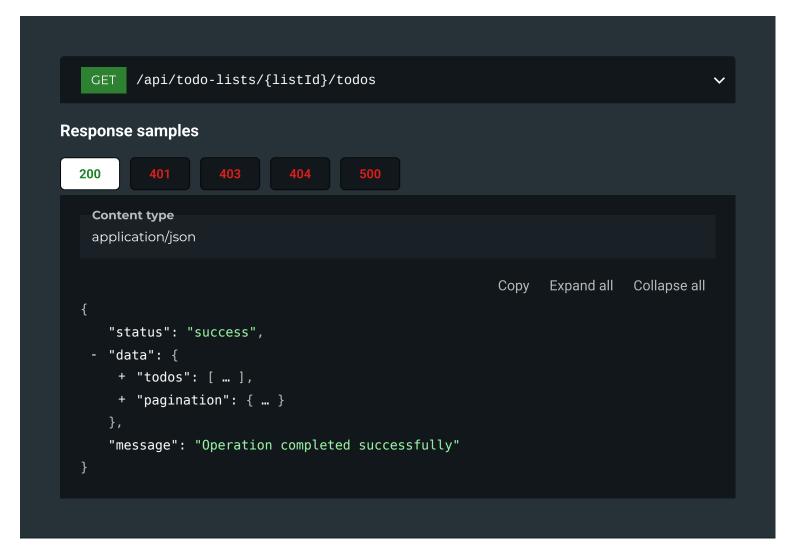
```
Page number for pagination

integer [1..100]

Example: limit=10

Number of items per page
```

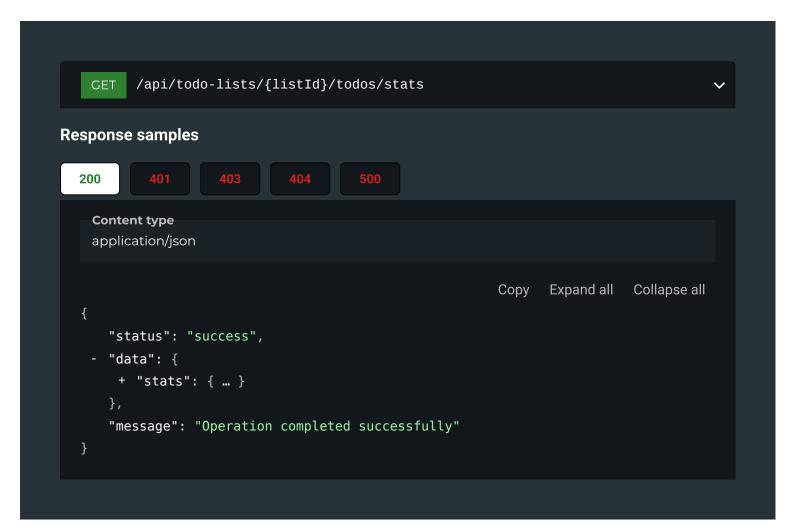
```
    > 200 Todos retrieved successfully
    > 401 Unauthorized - invalid or missing token
    > 403 Forbidden - no access to the specified list
    > 404 Todo list not found
    > 500 Internal server error
```



Retrieves aggregated statistics about todos in a specific list



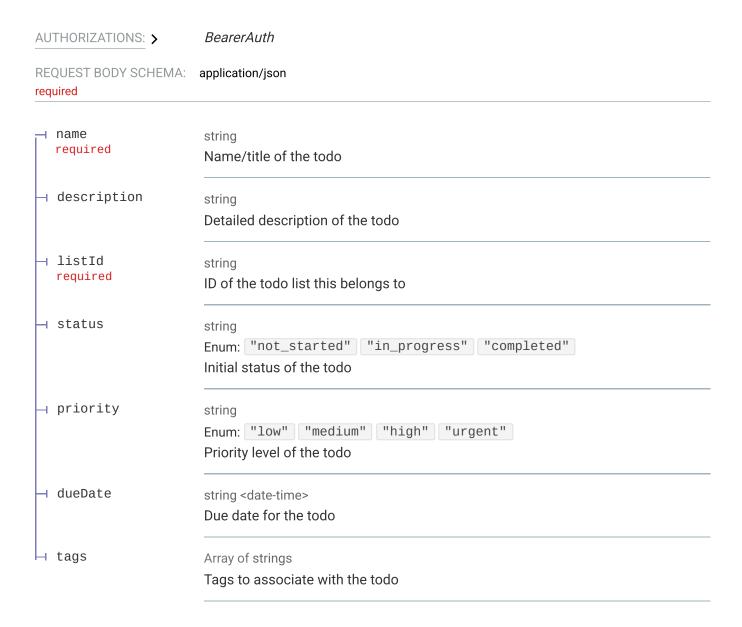
```
    200 Todo statistics retrieved successfully
    401 Unauthorized - invalid or missing token
    403 Forbidden - no access to the specified list
    404 Todo list not found
    500 Internal server error
```



### Todos

#### Create a new todo

Creates a new todo item in a specified list

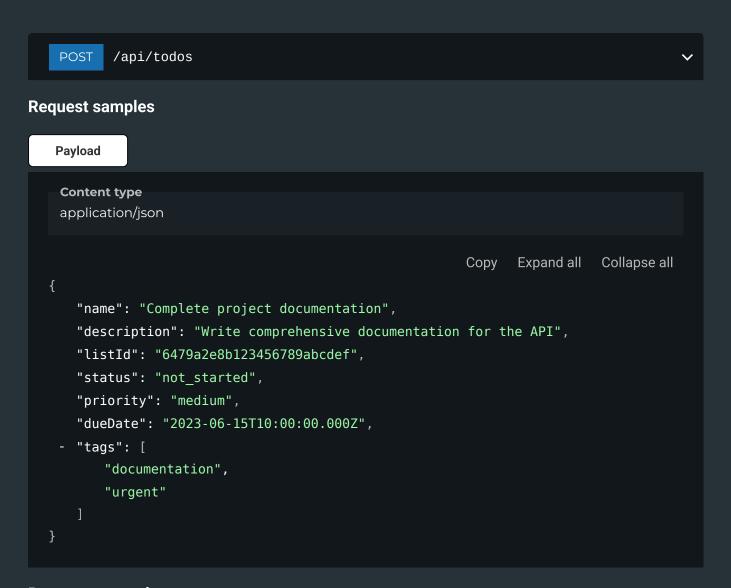


#### Responses

> 201 Todo created successfully

> 400 Validation error

- 401 Unauthorized invalid or missing token
   403 Forbidden no access to the specified list
- > 500 Internal server error



#### Response samples

```
Content type
application/json

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{
    "status": "success",
    - "data": {
        + "todo": { ... }
    },
    "message": "Operation completed successfully"
```

### Get all todos for the current user

Retrieves all todos belonging to the current user with optional filtering and sorting

```
BearerAuth
AUTHORIZATIONS: >
QUERY PARAMETERS

→ status

                        string
                        Enum: "not_started" "in_progress" "completed"
                        Example: status=in_progress
                        Filter by todo status

→ priority

                        string
                        Enum: "low" "medium" "high" "urgent"
                        Example: priority=high
                        Filter by todo priority

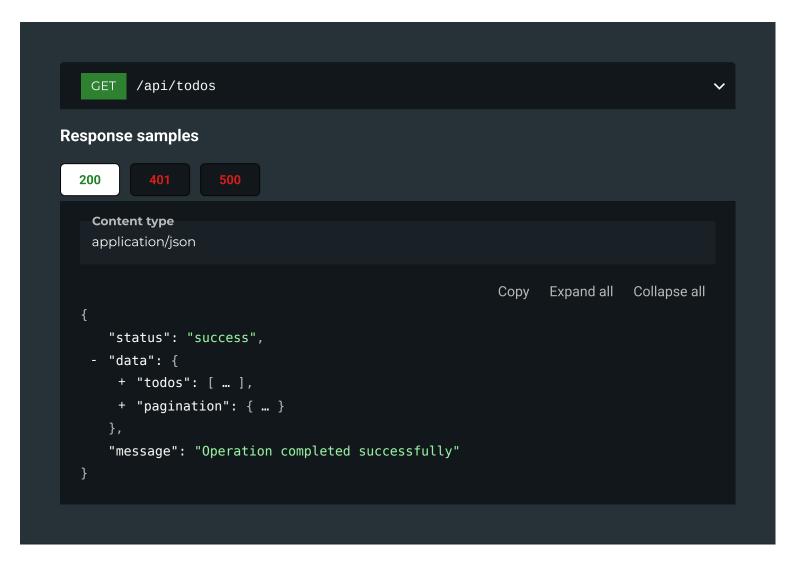
→ tags

                        string
                        Example: tags=work, urgent
                        Filter by tags (comma-separated)
⊣ search
                        string
                        Example: search=project
                        Search in todo name and description

→ sortBy

                        string
                        Enum: "createdAt" "updatedAt" "dueDate" "priority" "name"
                        Example: sortBy=dueDate
                        Sort field
⊣ sortOrder
                        string
                        Enum: "asc" "desc"
                        Example: sortOrder=asc
                        Sort order
→ page
                        integer >= 1
                        Example: page=1
                        Page number for pagination
⊣ limit
                        integer [1..100]
                        Example: limit=10
                        Number of items per page
```

> 200 Todos retrieved successfully
 > 401 Unauthorized - invalid or missing token
 > 500 Internal server error

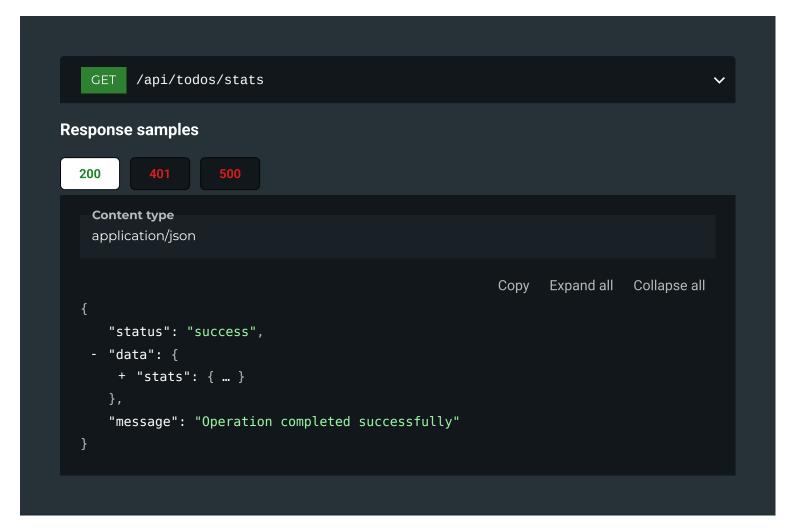


## Get todo statistics for the current user

Retrieves aggregated statistics about the user's todos

AUTHORIZATIONS: > BearerAuth

200 Todo statistics retrieved successfully
 401 Unauthorized - invalid or missing token
 500 Internal server error

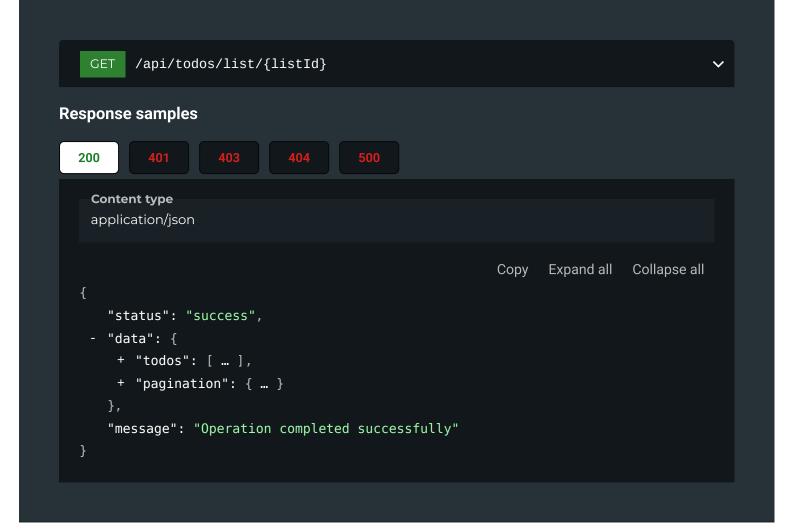


# Get all todos for a specific list

Retrieves all todos belonging to a specific list with optional filtering and sorting

```
Example: status=in_progress
                       Filter by todo status
→ priority
                       string
                       Enum: "low" "medium" "high" "urgent"
                       Example: priority=high
                       Filter by todo priority
⊣ tags
                       string
                       Example: tags=work, urgent
                       Filter by tags (comma-separated)
⊣ search
                       string
                       Example: search=project
                       Search in todo name and description
⊣ sortBy
                       string
                       Enum: "createdAt" "updatedAt" "dueDate" "priority" "name"
                       Example: sortBy=dueDate
                       Sort field
⊣ sortOrder
                       string
                       Enum: "asc" "desc"
                       Example: sortOrder=asc
                       Sort order
→ page
                       integer >= 1
                       Example: page=1
                       Page number for pagination
⊢ limit
                       integer [1..100]
                       Example: limit=10
                       Number of items per page
```

> 200 Todos retrieved successfully
 > 401 Unauthorized - invalid or missing token
 > 403 Forbidden - no access to the specified list
 > 404 Todo list not found
 > 500 Internal server error



# Get todo statistics for a specific list

Retrieves aggregated statistics about todos in a specific list

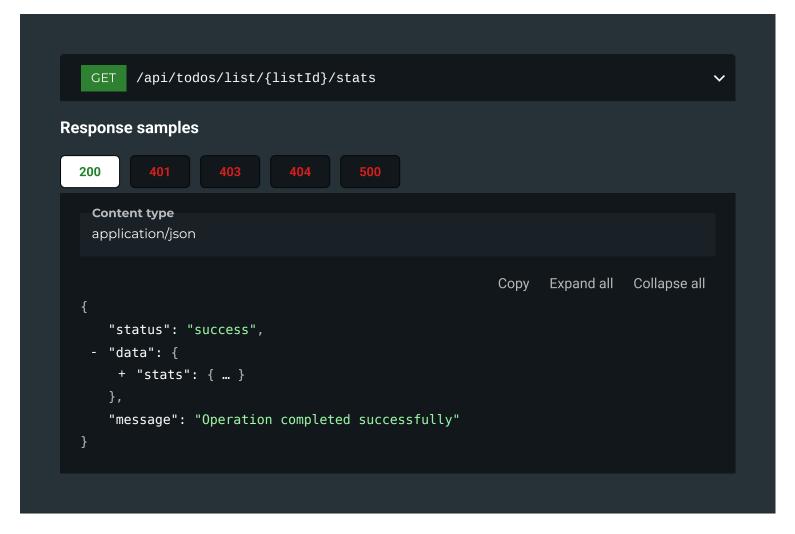


#### Responses

> 200 Todo statistics retrieved successfully
 > 401 Unauthorized - invalid or missing token
 > 403 Forbidden - no access to the specified list

> 404 Todo list not found

> 500 Internal server error



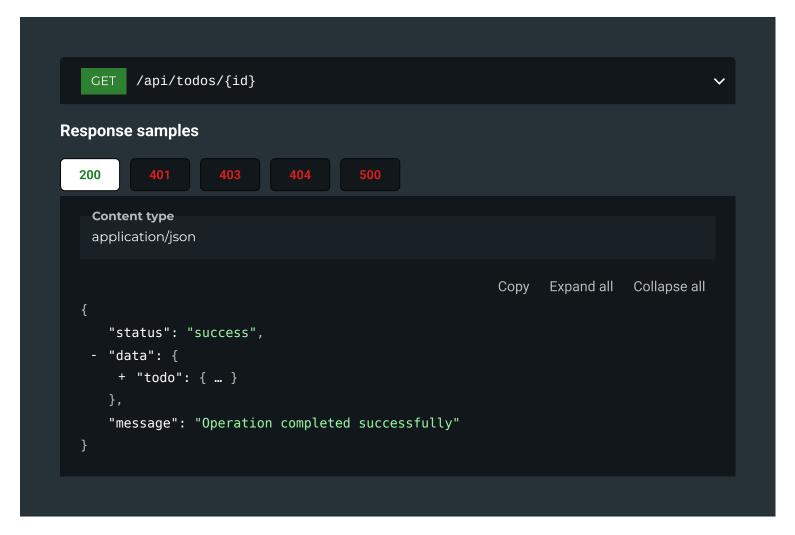
# Get a specific todo by ID

Retrieves a specific todo item by its ID

#### Responses

> 200 Todo retrieved successfully

```
    > 401 Unauthorized - invalid or missing token
    > 403 Forbidden - no access to this todo
    > 404 Todo not found
    > 500 Internal server error
```



# Update a todo

Updates an existing todo item

```
AUTHORIZATIONS: > BearerAuth

PATH PARAMETERS

-I id string Example: 6479a2e8b123456789abcdef Todo ID

REQUEST BODY SCHEMA: application/json required
```



> 200 Todo updated successfully
 > 400 Validation error
 > 401 Unauthorized - invalid or missing token
 > 403 Forbidden - no access to this todo
 > 404 Todo not found
 > 500 Internal server error

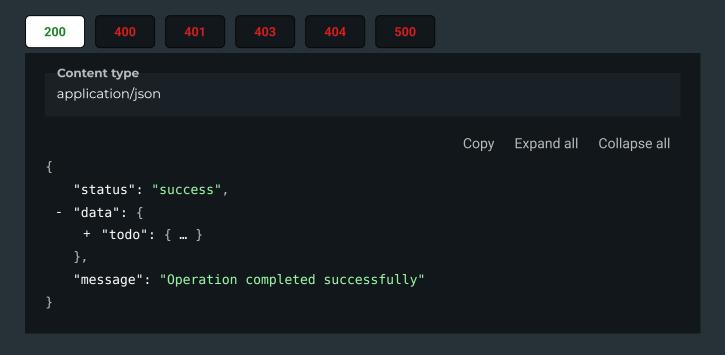


```
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{
    "name": "Complete project documentation",
    "description": "Write comprehensive documentation for the API",
    "status": "in_progress",
    "priority": "high",
    "dueDate": "2023-06-15T10:00:00.000Z",

- "tags": [
        "documentation",
        "urgent"
    ]
}
```

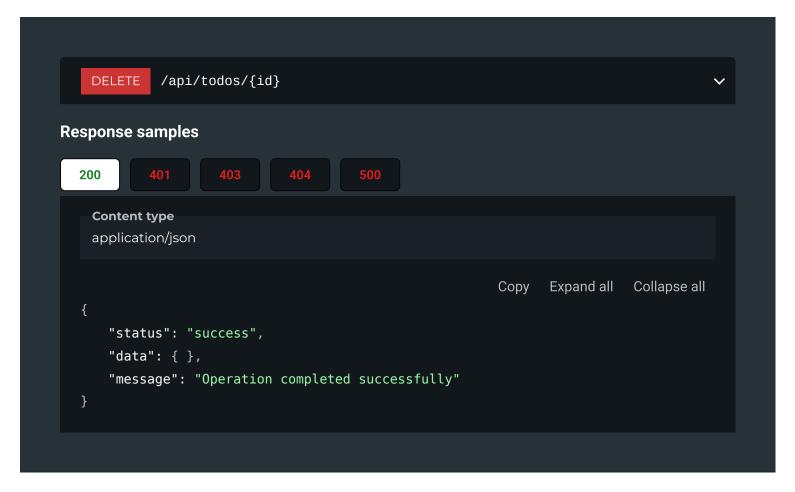
#### Response samples



### Delete a todo

Deletes an existing todo item

```
    > 200 Todo deleted successfully
    > 401 Unauthorized - invalid or missing token
    > 403 Forbidden - no access to this todo
    > 404 Todo not found
    > 500 Internal server error
```

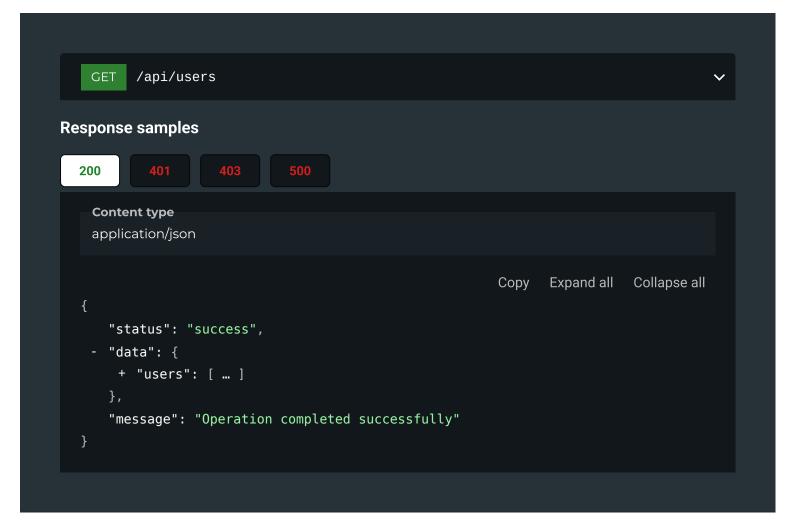


### Users

### Get all users

Retrieves a list of all users in the system (admin only)

200 Users retrieved successfully
 401 Unauthorized - invalid or missing token
 403 Forbidden - admin access required
 500 Internal server error



## Get user by ID

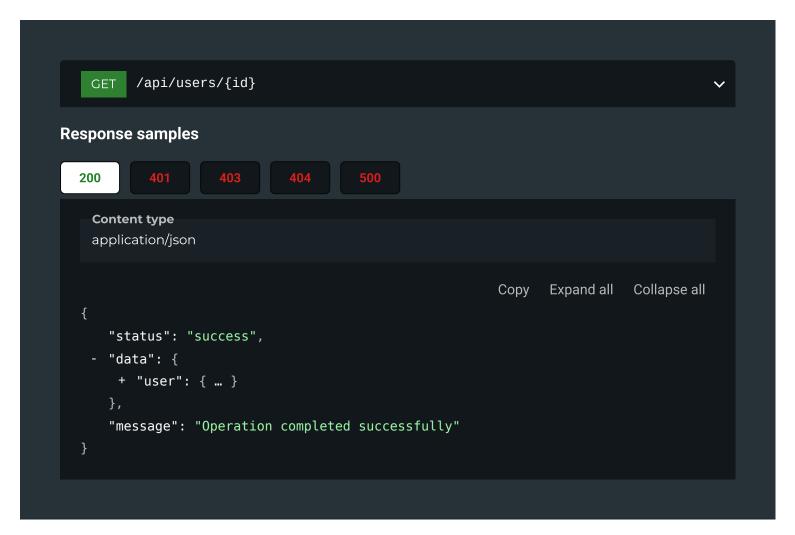
Retrieves a specific user by their ID (admin only)

```
AUTHORIZATIONS: > BearerAuth

PATH PARAMETERS
```

→ id string required Example: 6479a2e8b123456789abcdef

```
    > 200 User retrieved successfully
    > 401 Unauthorized - invalid or missing token
    > 403 Forbidden - admin access required
    > 404 User not found
    > 500 Internal server error
```



# Update user by ID

Updates a specific user's information (admin only)

→ id string

required Example: 6479a2e8b123456789abcdef

User ID

REQUEST BODY SCHEMA: application/json

required

⊣ firstName string

User's first name

→ lastName string

User's last name

⊣ email string <email>

User's email address

⊣ role string

Enum: "user" "admin" User's role in the system

⊣ isActive boolean

Whether the user account is active

#### Responses

> 200 User updated successfully

> 400 Validation error

> 401 Unauthorized - invalid or missing token

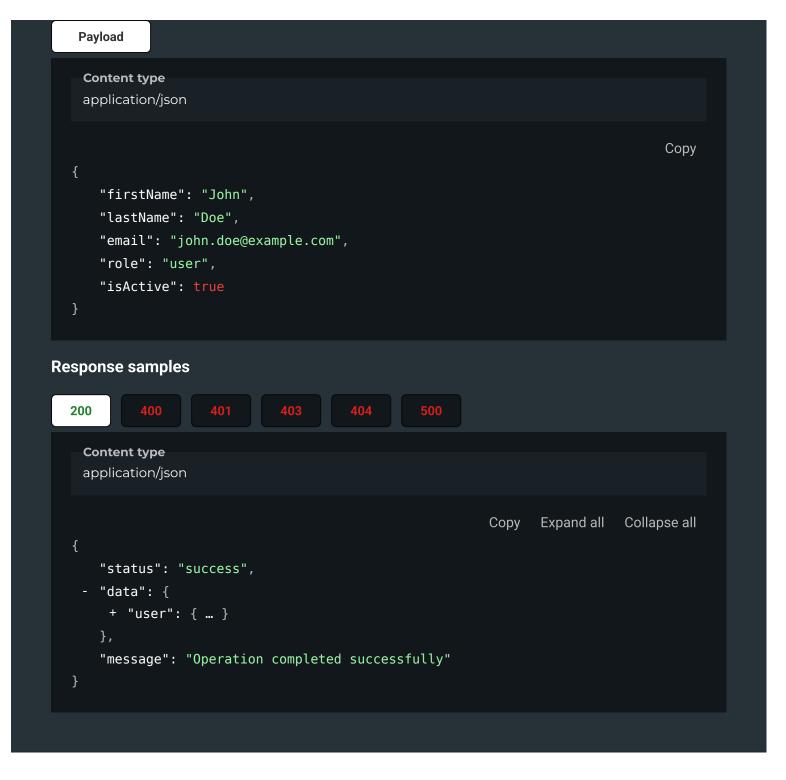
> 403 Forbidden - admin access required

> 404 User not found

> 500 Internal server error

PATCH /api/users/{id}

**Y** 



## Update current user

Updates the profile information of the currently authenticated user

```
AUTHORIZATIONS: > BearerAuth

REQUEST BODY SCHEMA: application/json
required

— firstName string
User's first name
```

```
□ lastName string
User's last name
□ password string
New password (minimum 8 characters)
```

```
    > 200 User profile updated successfully
    > 400 Validation error
    > 401 Unauthorized - invalid or missing token
    > 500 Internal server error
```

