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Scriptorium APIs

1.0.0 OAS 3.0

ADMIN USERNAME: admin & ADMIN PASSWORD: abba. OpenAPI specification generated with ChatGPT.

Servers

Authorize

User Management



GET /users/{id} Get code templates for a user



Retrieves code templates associated with the specified user.

Parameters

Try it out

Name	Description
------	-------------

id * required	The user ID
----------------------	-------------

integer (path)	<input type="text" value="id"/>
--------------------------	---------------------------------

Responses

Code	Description	Links
200	<p>A list of code templates</p> <p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>[{ "templateId": 0, "code": "string" }]</pre>	No links
400	<p>Invalid user ID</p> <p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "error": "Invalid ID" }</pre>	No links
401	<p>Unauthorized access - invalid or missing JWT</p> <p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "error": "Unauthorized" }</pre>	No links
404	<p>User not found</p> <p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "error": "User not found" }</pre>	No links
405	<p>Method not allowed</p> <p>Media type</p>	No links

Code	Description	Links
	<div style="border: 1px solid black; padding: 5px; display: inline-block;">application/json</div>	
	<p>Example Value Schema</p> <pre>{ "error": "Method not allowed" }</pre>	
PUT	/users/{id} Update user details	 
	Updates user profile details such as username, password, first name, last name, email, phone number, and avatar.	
	Parameters	Try it out
Name	Description	
id * required	The user ID	
integer (path)	<input type="text" value="id"/>	
Request body required		<div style="border: 1px solid black; padding: 5px; display: inline-block;">application/json</div>
Example Value Schema		
	<pre>{ "newUsername": "string", "newPassword": "string", "newFirstName": "string", "newLastName": "string", "newEmail": "string", "newPhoneNumber": "string", "newAvatarPath": "string" }</pre>	
	Responses	

Code	Description	Links
200	User updated successfully and returns a new JWT token.	No links
	Media type	
	application/json	
	Controls Accept header.	
	Example Value Schema	
	{ "token": "string" }	
400	Invalid user ID	No links
	Media type	
	application/json	
	Controls Accept header.	
	Example Value Schema	
	{ "error": "Invalid ID" }	
401	Unauthorized access - invalid or missing JWT	No links
	Media type	
	application/json	
	Controls Accept header.	
	Example Value Schema	
	{ "error": "Unauthorized" }	
404	User not found	No links
	Media type	
	application/json	
	Controls Accept header.	
	Example Value Schema	
	{ "error": "User not found" }	
405	Method not allowed	No links
	Media type	
	application/json	
	Controls Accept header.	
	Example Value Schema	

Links

```
{  
    "error": "Method not allowed"  
}
```

409 Conflict error due to duplicate or invalid values.

No links

Media type

application/json**Example Value** Schema

```
{  
    "errors": [  
        {  
            "additionalProp1": "string",  
            "additionalProp2": "string",  
            "additionalProp3": "string"  
        }  
    ],  
    "token": "string"  
}
```

GET /users/avatars Retrieve available avatars



Returns a list of available avatar image paths.

Parameters**Try it out**

No parameters

Responses**Code****Description****Links**

200 A list of available avatars

No links

Media type

application/json

Controls Accept header.

Example Value Schema

Links**Code****Description**

401

Unauthorized access - invalid or missing JWT

No links

Media type

application/json**Example Value** Schema

```
{
  "error": "Unauthorized"
}
```

405

Method not allowed

No links

Media type

application/json**Example Value** Schema

```
{
  "error": "Method not allowed"
}
```

POST**/users/login** User Login

Authenticates a user and returns a JWT token if successful.

Parameters**Try it out**

No parameters

Request body required**application/json****Example Value** Schema

```
{
  "username": "user123",
  "password": "securepassword"
}
```

Responses

Code	Description	Links
200	Successful login returns a JWT token and user ID.	No links
	<p>Media type</p> <p>application/json</p> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "token": "string", "id": 0 }</pre>	
401	Invalid username or password.	No links
	<p>Media type</p> <p>application/json</p> <p>Example Value Schema</p> <pre>{ "error": "Invalid username or password." }</pre>	
405	Method not allowed if the request method is not POST.	No links
	<p>Media type</p> <p>application/json</p> <p>Example Value Schema</p> <pre>{ "error": "Method not allowed." }</pre>	

POST /users/signup User Signup



Registers a new user by accepting username, password, first name, last name, email, and phone number.

Parameters

Try it out

No parameters

Request body required

application/json

Example Value Schema

```
{  
    "username": "newuser123",  
    "password": "securepassword",  
    "firstName": "John",  
    "lastName": "Doe",  
    "email": "johndoe@example.com",  
    "phoneNumber": "+1234567890"  
}
```

Responses

Code	Description	Links
201	User created successfully. Media type application/json Controls Accept header.	<i>No links</i>
405	Method not allowed if the request method is not POST. Media type application/json Example Value Schema	<i>No links</i>

Code	Description	Links
409	Conflict error due to duplicate username, email, or phone number. Media type application/json Example Value Schema <pre>{ "error": "Username, email or phone number already taken." }</pre>	No links

Code Execution



POST /exec/execute-code Execute code 🔒 ⌂

Executes provided code in a specified programming language and returns the output.

Parameters **Try it out**

No parameters

Request body required **application/json**

Example Value Schema

```
{  
    "lang": "cpp",  
    "code": "#include <iostream>\nusing namespace std;\nint main() {\n    cout << \"Hello W  
orld\" << endl;\n    return 0;\n}  
    \"data_in\": \"5\\n\"\n}
```

Responses

Code	Description	Links
200	Successful execution of the code, returning output. Media type <div style="border: 2px solid #ccc; padding: 5px; text-align: center;">application/json</div> Controls Accept header.	<i>No links</i>
400	Bad request due to invalid language or missing code. Media type <div style="border: 2px solid #ccc; padding: 5px; text-align: center;">application/json</div> Example Value Schema <pre>{ "output": "Hello World\n", "errorOutput": "" }</pre>	<i>No links</i>
405	Method not allowed if the request method is not POST. Media type <div style="border: 2px solid #ccc; padding: 5px; text-align: center;">application/json</div> Example Value Schema <pre>{ "error": "Method not allowed." }</pre>	<i>No links</i>
500	Internal server error due to compilation or execution failure. Media type <div style="border: 2px solid #ccc; padding: 5px; text-align: center;">application/json</div> Example Value Schema <pre>{ "error": "Execution failed", "details": "Unknown error" }</pre>	<i>No links</i>

Code Templates



GET /codetemplates/{id} Retrieve a code template by ID



Returns the code template associated with the specified ID.

Parameters

[Try it out](#)

Name	Description
------	-------------

id * required The ID of the code template to retrieve.

integer
(path)

Responses

Code	Description	Links
------	-------------	-------

200 Successfully retrieved code template.

No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
{  
    "id": 0,  
    "title": "string",  
    "explanation": "string",  
    "content": "string",  
    "userId": 0  
}
```

400 Invalid ID supplied.

No links

Media type

application/json

Example Value Schema

```
{  
    "error": "Invalid ID"  
}
```

Code	Description	Links
404	Code template not found. Media type application/json	No links

Example Value Schema

```
{  
  "error": "Code template not found"  
}
```

PUT /codetemplates/{id} Update a code template by ID



Updates the title, explanation, content, or tags of the specified code template.

Parameters**Try it out****Name** **Description****id** * required The ID of the code template to update.**integer**
(path)
id**Request body** required**application/json****Example Value** Schema

```
{  
  "newTitle": "string",  
  "newExplanation": "string",  
  "newContent": "string",  
  "newTag": "string"  
}
```

Responses

Code	Description	Links
200	Successfully updated code template. Media type <div style="border: 1px solid black; padding: 2px; display: inline-block;">application/json</div> Controls Accept header.	No links
400	Invalid ID supplied or missing update data. Media type <div style="border: 1px solid black; padding: 2px; display: inline-block;">application/json</div> Example Value Schema <pre>{ "id": 0, "title": "string", "explanation": "string", "content": "string" }</pre>	No links
401	Unauthorized access - user does not have permission to update this code template. Media type <div style="border: 1px solid black; padding: 2px; display: inline-block;">application/json</div> Example Value Schema <pre>{ "error": "Invalid ID" }</pre>	No links
404	Code template not found. Media type <div style="border: 1px solid black; padding: 2px; display: inline-block;">application/json</div> Example Value Schema <pre>{ "error": "Unauthorized" }</pre>	No links
405	Method not allowed if the request method is not PUT. Media type	No links

Code	Description	Links																					
	<p>application/json</p> <p>Example Value Schema</p> <pre>{ "message": "Method not allowed" }</pre>																						
DELETE	/codetemplates/{id} Delete a code template by ID																						
	Deletes the specified code template.																						
	Parameters	Try it out																					
	<table border="1"><thead><tr><th>Name</th><th>Description</th></tr></thead><tbody><tr><td>id * required</td><td>The ID of the code template to delete.</td></tr><tr><td>integer <i>(path)</i></td><td><input type="text" value="id"/></td></tr></tbody></table>	Name	Description	id * required	The ID of the code template to delete.	integer <i>(path)</i>	<input type="text" value="id"/>																
Name	Description																						
id * required	The ID of the code template to delete.																						
integer <i>(path)</i>	<input type="text" value="id"/>																						
	Responses																						
	<table border="1"><thead><tr><th>Code</th><th>Description</th><th>Links</th></tr></thead><tbody><tr><td>200</td><td>Successfully deleted code template.</td><td><i>No links</i></td></tr><tr><td></td><td>Media type</td><td></td></tr><tr><td></td><td><p>application/json</p><p>Controls Accept header.</p></td><td></td></tr><tr><td></td><td><p>Example Value Schema</p><pre>{ "message": "Code template deleted." }</pre></td><td></td></tr><tr><td>401</td><td>Unauthorized access - user does not have permission to delete this code template.</td><td><i>No links</i></td></tr><tr><td></td><td>Media type</td><td></td></tr></tbody></table>	Code	Description	Links	200	Successfully deleted code template.	<i>No links</i>		Media type			<p>application/json</p> <p>Controls Accept header.</p>			<p>Example Value Schema</p> <pre>{ "message": "Code template deleted." }</pre>		401	Unauthorized access - user does not have permission to delete this code template.	<i>No links</i>		Media type		
Code	Description	Links																					
200	Successfully deleted code template.	<i>No links</i>																					
	Media type																						
	<p>application/json</p> <p>Controls Accept header.</p>																						
	<p>Example Value Schema</p> <pre>{ "message": "Code template deleted." }</pre>																						
401	Unauthorized access - user does not have permission to delete this code template.	<i>No links</i>																					
	Media type																						

Code	Description	Links
	<p>application/json</p> <p>Example Value Schema</p> <pre>{ "error": "Unauthorized" }</pre>	
404	Code template not found. Media type application/json Example Value Schema	<i>No links</i>
405	Method not allowed if the request method is not DELETE. Media type application/json Example Value Schema	<i>No links</i>

POST /codetemplates Create a new code template 🔒 ⌂

Adds a new code template to the database.

Parameters **Try it out**

No parameters

Request body required **application/json**

Example Value Schema

```
{  
    "title": "string",  
    "body": "string",  
    "language": "string",  
    "category": "string",  
    "tags": ["string"],  
    "icon": "string",  
    "description": "string",  
    "examples": [{"id": 1, "language": "Python", "code": "# Print Hello World"}, {"id": 2, "language": "JavaScript", "code": "console.log('Hello World')"}]  
}
```

```

  "explanation": "string",
  "content": "string",
  "tags": [
    "string"
  ],
  "parentId": 0,
  "userId": 0
}

```

Responses

Code	Description	Links
201	<p>Successfully created code template.</p> <p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "id": 0, "title": "string", "explanation": "string", "content": "string", "tags": ["string"], "parentId": 0, "userId": 0 }</pre>	<i>No links</i>
401	<p>Unauthorized access - user does not have permission to create this code template.</p> <p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "error": "Unauthorized" }</pre>	<i>No links</i>
409	<p>Conflict - invalid input or duplicate template.</p> <p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Example Value Schema</p>	<i>No links</i>

Code	Description	Links
<pre>{\n "error": "Please double check your fields."\n}</pre>		

GET	/codetemplates Retrieve code templates	
-----	--	--

Searches for code templates by title, content, or tag.

Parameters

[Try it out](#)

Name Description

title The title of the code template to search for.

string
(query)

content The content of the code template to search for.

string
(query)

tag The tag associated with the code template to search for.

string
(query)

Responses

Code	Description	Links
------	-------------	-------

200	Successfully retrieved code template(s).	No links
-----	--	--------------------------

Media type

Controls Accept header.

Example Value Schema

Links**Code**

```
{
  "templates": [
    {
      "id": 0,
      "title": "string",
      "explanation": "string",
      "content": "string",
      "tags": [
        "string"
      ],
      "parentId": 0,
      "userId": 0
    }
  ]
}
```

401

Invalid search fields or unauthorized access.

No links

Media type

application/json**Example Value** Schema

```
{
  "error": "Invalid fields."
}
```

405

Method not allowed if the request method is not GET.

No links

Media type

application/json**Example Value** Schema

```
{
  "error": "Method not allowed."
}
```

Blog Posts



PUT /blog/{blogId} Update a blog post



Edits an existing blog post if the user is authorized.

Parameters**Try it out**

Name	Description
blogId * required <small>integer (path)</small>	The ID of the blog post to update. blogId

Request body required

application/json

Example Value Schema

```
{
  "newTitle": "string",
  "newDescription": "string",
  "newTag": "string",
  "newCodeTemplateId": 0
}
```

Responses

Code	Description	Links
200	Successfully updated the blog post.	No links
	<p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "message": "Blog post edited successfully." }</pre>	
401	Unauthorized access - user is not the author of the blog post.	No links
	<p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "error": "You are not the author of the account. You cannot edit" }</pre>	

Code	Description	Links
404	<pre>this post." }</pre> <p>Blog post not found.</p> <p>Media type</p> <div style="border: 1px solid #ccc; padding: 2px; border-radius: 5px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "error": "Blog not found." }</pre>	<i>No links</i>
405	<p>Method not allowed for this route.</p> <p>Media type</p> <div style="border: 1px solid #ccc; padding: 2px; border-radius: 5px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "error": "Method not allowed." }</pre>	<i>No links</i>

DELETE /blog/{blogId} Delete a blog post



Deletes an existing blog post if the user is authorized.

Parameters

[Try it out](#)

Name	Description
blogId * required	The ID of the blog post to delete.

blogId * required

The ID of the blog post to delete.

integer

(path)

blogId

Responses

Code	Description	Links
200	<p>Successfully deleted the blog post.</p> <p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>{ "message": "Blog post deleted successfully." }</pre>	No links
401	<p>Unauthorized access - user is not the author of the blog post.</p> <p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "error": "You are not the author of the account. You cannot delete this post." }</pre>	No links
404	<p>Blog post not found.</p> <p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "error": "Blog not found." }</pre>	No links
500	<p>Internal server error when trying to delete.</p> <p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div> <p>Example Value Schema</p> <pre>{ "error": "Failed to delete the blog post." }</pre>	No links

POST /blog/{blogId} Interact with a blog post



Allows upvoting, downvoting, or reporting a blog post.

Parameters

[Try it out](#)

Name	Description
------	-------------

blogId * required The ID of the blog post to interact with.

integer
(path)

Request body required

[application/json](#)

Example Value Schema

```
{  
  "action": "upvote"  
}
```

Responses

Code	Description	Links
------	-------------	-------

200 Successfully performed the action on the blog post.

No links

Media type

[application/json](#)

Controls Accept header.

Example Value Schema

```
{  
  "message": "Successfully upvoted the blog."  
}
```

404 Blog post not found or incorrect action specified.

No links

Media type

[application/json](#)

Example Value Schema

Links

```
{  
    "error": "Incorrect action"  
}
```

405 Method not allowed for this route.

No links

Media type

application/json**Example Value** Schema

```
{  
    "error": "Method not allowed."  
}
```

POST /blog/createBlog Create a new blog post



Creates a new blog post with a mandatory title and description. Tag and code template are optional.

Parameters**Try it out**

No parameters

Request body required**application/json****Example Value** Schema

```
{  
    "title": "string",  
    "description": "string",  
    "tag": "string",  
    "code_template": "string",  
    "authorId": 0  
}
```

Responses

Code	Description	Links
201	Successfully created the blog post.	No links
	<p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p>	
	<p>Example Value Schema</p> <pre>{ "id": 0, "title": "string", "description": "string", "tag": "string", "code_template": "string", "authorId": 0 }</pre>	
401	Unauthorized access - invalid JWT.	No links
	<p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div>	
	<p>Example Value Schema</p> <pre>{ "error": "Unauthorized" }</pre>	
405	Method not allowed for this route.	No links
	<p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div>	
	<p>Example Value Schema</p> <pre>{ "error": "Method not allowed." }</pre>	
409	Conflict due to missing mandatory fields or other errors.	No links
	<p>Media type</p> <div style="border: 2px solid #ccc; padding: 2px; display: inline-block;">application/json</div>	
	<p>Example Value Schema</p> <pre>{ "error": "Title and description are mandatory fields." }</pre>	

POST /blog/searchBlogs Search for blog posts



Searches for blog posts based on the specified search content and field (title, description, code, or tag).

Parameters

[Try it out](#)

No parameters

Request body required

[application/json](#)

Example Value Schema

```
{  
  "searchContent": "string",  
  "searchBy": "title"  
}
```

Responses

Code	Description	Links
------	-------------	-------

201	Successfully retrieved blog posts matching the search criteria.	<i>No links</i>
-----	---	-----------------

Media type

[application/json](#)

Controls Accept header.

Example Value Schema

```
{  
  "blogs": [  
    {  
      "id": 0,  
      "title": "string",  
      "description": "string",  
      "tag": "string",  
      "code": "string"  
    }  
  ]  
}
```

Code	Description	Links
405	<p>Method not allowed for this route.</p> <p>Media type</p> <div style="border: 1px solid black; padding: 2px; display: inline-block;">application/json</div>	No links
422	<p>Unprocessable entity due to invalid input.</p> <p>Media type</p> <div style="border: 1px solid black; padding: 2px; display: inline-block;">application/json</div>	No links

GET
/blog/sortBlogs
Retrieve Sorted Blog Posts
Try it out

Fetches all blog posts sorted by a specified criterion.

Parameters

No parameters

Responses

Code	Description	Links
200	<p>Successfully retrieved sorted blog posts.</p> <p>Media type</p> <div style="border: 1px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p>	No links

Links**Code**

```
[  
  {  
    "id": 0,  
    "title": "string",  
    "description": "string",  
    "tag": "string",  
    "createdAt": "2024-11-04T02:10:42.233Z",  
    "updatedAt": "2024-11-04T02:10:42.233Z"  
  }  
]
```

405

Method not allowed for this route.

No links

Media type

application/json**Example Value** Schema

```
{  
  "error": "Method not allowed."  
}
```

Comments

**POST****/comments** Add a Comment to a Blog Post

Creates a new comment for a specified blog post.

Parameters

Try it out

No parameters

Request body required

application/json**Example Value** Schema

```
{  
  "content": "string",  
  "blogId": 0  
}
```

Responses

Code	Description	Links
201	Successfully added the comment.	<i>No links</i>
	Media type	
	application/json	
	Controls Accept header.	
	Example Value Schema	
	<pre>{ "id": 0, "content": "string", "userId": 0, "blogId": 0, "createdAt": "2024-11-04T02:10:42.234Z" }</pre>	
401	Unauthorized request, invalid JWT or not logged in.	<i>No links</i>
	Media type	
	application/json	
	Example Value Schema	
	<pre>{ "error": "Unauthorized" }</pre>	
405	Method not allowed for this route.	<i>No links</i>
	Media type	
	application/json	
	Example Value Schema	
	<pre>{ "error": "Method not allowed." }</pre>	
409	Bad request, mandatory field missing.	<i>No links</i>
	Media type	
	application/json	
	Example Value Schema	

Code	Description	Links						
	<pre>{\n "error": "Content is a mandatory field."}\n}</pre>							
POST	/comments/{commentId} Perform an Action on a Comment							
Upvote, downvote, or report a specific comment by ID.								
Parameters		Try it out						
<table border="1"><thead><tr><th>Name</th><th>Description</th></tr></thead><tbody><tr><td>commentId * required</td><td>The ID of the comment to perform the action on.</td></tr><tr><td>integer <i>(path)</i></td><td>commentId</td></tr></tbody></table>			Name	Description	commentId * required	The ID of the comment to perform the action on.	integer <i>(path)</i>	commentId
Name	Description							
commentId * required	The ID of the comment to perform the action on.							
integer <i>(path)</i>	commentId							
Request body required		application/json						
Example Value Schema								
<pre>{\n "action": "upvote"\n}</pre>								
Responses								
Code	Description	Links						
200	Action performed successfully. Media type application/json Controls Accept header.	No links						
Example Value Schema								

Links

Code	Description	Links
	<pre>{ "message": "Successfully upvoted the comment" }</pre>	
404	Comment not found or incorrect action specified. Media type application/json	<i>No links</i>

Example Value Schema

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

405 Method not allowed for this route. *No links*

Media type
application/json

Example Value Schema

```
{
  "error": "Method not allowed."
}
```

GET /comments/sortComments Retrieve Sorted Comments  

Fetches all blog posts sorted by a specified criterion.

Parameters**Try it out**

No parameters

Responses

Code	Description	Links
200	Successfully retrieved sorted blog posts. Media type	<i>No links</i>

Code	Description	Links
	<p>application/json</p> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>[{ "id": 0, "title": "string", "description": "string", "tag": "string", "createdAt": "2024-11-04T02:10:42.261Z", "updatedAt": "2024-11-04T02:10:42.261Z" }]</pre>	
405	Method not allowed for this route.	No links
	<p>Media type</p> <p>application/json</p> <p>Example Value Schema</p> <pre>{ "error": "Method not allowed." }</pre>	