

# BLOG APP TASK

To list all blogs – GET

<http://127.0.0.1:8000/blogs/>

The screenshot shows a REST client interface with a GET request to `http://127.0.0.1:8000/blogs/`. The response is a 200 OK status with a 21 ms response time and 6.56 KB of data. The response body is displayed in JSON format, showing a list of blog entries. The first entry is a JSON object with the following fields:

```
{  "author": "Anandan123",  "category": 1,  "is_published": true,  "publish_date": "2024-10-28T10:08:35.083271Z",  "title": "lorem",  "content": "Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.Why do we use it?It is a long established fact that a"
```

To add a category – POST

<http://127.0.0.1:8000/blogs/createcategory/>

The screenshot shows a REST client interface with a POST request to `http://127.0.0.1:8000/blogs/createcategory/`. The request body is a JSON object with the following fields:

```
{  "name": "General",  "description": "All about the Generals."}
```

The response is a 201 Created status with a 30 ms response time and 402 B of data. The response body is displayed in JSON format, showing the created category with the following fields:

```
{  "id": 2,  "name": "General",  "description": "All about the Generals.",  "num_blogs": 0}
```

## To add an Author - POST

<http://127.0.0.1:8000/blogs/createauthor/>

The screenshot shows a REST client interface with a POST request to `http://127.0.0.1:8000/blogs/createauthor/`. The request body is a JSON object with the following fields: `username` ("Anandan123"), `password` ("password123567"), `bio` ("A passionate writer on tech topics."), and `contact_info` ("Anandan@gmail.com"). The response status is 201 Created, with a response time of 1146 ms and a body size of 530 B. The response body is a JSON object with the same fields as the request, but the `password` field is hashed using PBKDF2.

```
1 {
2   "username": "Anandan123 ",
3   "password": "password123567",
4   "bio": "A passionate writer on tech topics.",
5   "contact_info": "Anandan@gmail.com"
6 }
```

```
1 {
2   "username": "Anandan123",
3   "password": "pbkdf2_sha256$870000$F2gC3Y44UmIYSow6QXHq8z$PKvNL+E7/3DpIouzJ3DiqbNjz0/v+0e0avlna2U4sxu0=",
4   "bio": "A passionate writer on tech topics.",
5   "contact_info": "Anandan@gmail.com"
6 }
```

## Creating a blog post - POST

<http://127.0.0.1:8000/blogs/create/>

The screenshot shows a REST client interface with a POST request to `http://127.0.0.1:8000/blogs/create/`. The request body is a JSON object with the following fields: `title` ("under 500 characters"), `content` ("A blog (a truncation of weblog)[1] is an informational website consisting of discrete, often informal diary-style text entries (posts). Posts are typically displayed in reverse chronological order so that the most recent post appears first, at the top of the web page. In the 2000s, blogs were often the work of a single individual, occasionally of a small group, and often covered a single subject or topic. In the 2010s, multi-author blogs (MABs) emerged, featuring the writing of multiple authors and sometimes professionally edited. MABs from newspapers, other media outlets, universities, think tanks, advocacy groups, and similar institutions account for an increasing quantity of blog traffic. The rise of Twitter and other microblogging systems help integrate MABs and single-author blogs into the news media. Blog can also be used as a verb, meaning to maintain or add content to a blog. The emergence and growth of blogs in the late 1990s coincided with the advent of web publishing tools that facilitated the posting of content by non-technical users who did not have much experience with HTML or computer programming. Previously, knowledge of such technologies as HTML and File Transfer Protocol had been required to publish content on the Web, and early Web users therefore tended to be hackers and computer enthusiasts. As of the 2010s, the majority are interactive Web 2.0 websites, allowing visitors to leave online comments, and it is this interactivity that distinguishes them from other static websites.[2] In that sense, blogging can be seen as a form of social networking service. Indeed, bloggers not only produce content to post on their blogs but also often build social relations with their readers and other bloggers.[3] Blog owners or authors often moderate and filter online comments to remove hate speech or other",), `author` (1), and `category` (1). The response status is 201 Created, with a response time of 48 ms and a body size of 379 B. The response body is a JSON object with a `message` field: "Blog post has been published successfully."

```
1 {
2   "title": "under 500 characters",
3   "content": "A blog (a truncation of weblog)[1] is an informational website consisting of discrete, often informal diary-style text entries (posts). Posts are typically displayed in reverse chronological order so that the most recent post appears first, at the top of the web page. In the 2000s, blogs were often the work of a single individual, occasionally of a small group, and often covered a single subject or topic. In the 2010s, multi-author blogs (MABs) emerged, featuring the writing of multiple authors and sometimes professionally edited. MABs from newspapers, other media outlets, universities, think tanks, advocacy groups, and similar institutions account for an increasing quantity of blog traffic. The rise of Twitter and other microblogging systems help integrate MABs and single-author blogs into the news media. Blog can also be used as a verb, meaning to maintain or add content to a blog. The emergence and growth of blogs in the late 1990s coincided with the advent of web publishing tools that facilitated the posting of content by non-technical users who did not have much experience with HTML or computer programming. Previously, knowledge of such technologies as HTML and File Transfer Protocol had been required to publish content on the Web, and early Web users therefore tended to be hackers and computer enthusiasts. As of the 2010s, the majority are interactive Web 2.0 websites, allowing visitors to leave online comments, and it is this interactivity that distinguishes them from other static websites.[2] In that sense, blogging can be seen as a form of social networking service. Indeed, bloggers not only produce content to post on their blogs but also often build social relations with their readers and other bloggers.[3] Blog owners or authors often moderate and filter online comments to remove hate speech or other",
4   "author": 1,
5   "category": 1
6 }
```

```
1 {
2   "message": "Blog post has been published successfully."
3 }
```

## Content less than 500 characters saves as draft

POST ⌵ http://127.0.0.1:8000/blogs/create/ Send ⌵

Params Authorization Headers (8) **Body** • Scripts • Tests • Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON ⌵ Beautify

```
1 {
2   "title": "under 500 characters",
3   "content": "This is the content of my first blog post. It's under 500 characters to be published.",
4   "author": 1,
5   "category": 1
6 }
7 }
```

Body Cookies Headers (10) Test Results (1/1) 201 Created • 40 ms • 419 B • 🌐 📄 Save Response ⋮

Pretty Raw Preview Visualize JSON ⌵ 🔍

```
1 {
2   "message": "Since the content is less than 500 characters, blog post has been saved as a draft."
3 }
```

## Forbidden words

POST ⌵ http://127.0.0.1:8000/blogs/create/ Send ⌵

Params Authorization Headers (8) **Body** • Scripts • Tests • Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON ⌵ Beautify

```
1 {
2   "title": "My third",
3   "content": "On thhteous indignation and dislike men who are so beguiled and demoralized by the charms of pleasure of the moment, so
4   blinded by desire, tha kill they cannot foresee the pain and trouble that are bound to ensue; and equal blame belongs to those who
5   fail in their duty through weakness of will, which is the same as saying through shrinking from toil and pain. These cases are
6   perfectly simple and easy to distinguish. In a free hour, when our power of choice is untrammelled and when nothing prevents our
7   being able to do what f business it will frequently occur that pleasures have to be repudiated and annoyances accepted. The wise man
   therefore always holds in these matters to this principle of selection: he rejects pleasures to secure other greater pleasures, or
   else he endures pains to avoid worse pains.",
8   "author": 1,
9   "category": 1
10 }
```

Body Cookies Headers (10) Test Results (0/1) 500 Internal Server Error • 21 ms • 395 B • 🌐 📄 Save Response ⋮

Pretty Raw Preview Visualize JSON ⌵ 🔍

```
1 {
2   "error": "['The content contains forbidden words: kill']"
3 }
```

## Flesch Reading Ease score

REST API basics: CRUD, test & variable / **Post data** Save Share

**POST** http://127.0.0.1:8000/blogs/create/ Send

Params Authorization Headers (8) **Body** Scripts Tests Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** Beautify

```
1 {
2   "title": "Flesch Reading",
3   "content": "At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi sint occaecati cupiditate non provident, similique sunt in culpa qui officia deserunt mollitia animi, id est laborum et dolorum fuga. Et harum quidem rerum facilis est et expedita distinctio. Nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit quo minus id quod maxime placeat facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet ut et voluptates repudiandae sint et molestiae non recusandae. Itaque earum rerum hic tenetur a sapiente delectus, ut aut reiciendis voluptatibus maiores alias consequatur aut perferendis doloribus asperiores repellat.",
4   "author": 1,
5   "category": 2
6 }
7 }
```

**Body** Cookies Headers (10) Test Results (0/1) 500 Internal Server Error · 44 ms · 424 B Save Response

Pretty Raw Preview Visualize **JSON** Beautify

```
1 {
2   "error": "[\"Flesch Reading Ease score must be at least 30 for the General category.\"]"
3 }
```

## Post limit – an author is only supposed to post 5 blogs in a month

**POST** http://127.0.0.1:8000/blogs/create/ Send

Params Authorization Headers (8) **Body** Scripts Tests Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** Beautify

```
1 {
2   "title": "lorem ipsum 6",
3   "content": "Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est, qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit, sed quia non numquam eius modi tempora incidunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur? Quis autem vel eum iure reprehenderit qui in ea voluptate velit esse quam nihil molestiae consequatur, vel illum qui dolorem eum fugiat quo voluptas nulla pariatur?",
4   "author": 1,
5   "category": 1
6 }
7 }
```

**Body** Cookies Headers (10) Test Results (0/1) 500 Internal Server Error · 26 ms · 405 B Save Response

Pretty Raw Preview Visualize **JSON** Beautify

```
1 {
2   "error": "[\"Authors are limited to publishing 5 posts per month.\"]"
3 }
```



Same content - content similarity exceeds 60%, raise a validation error

POST http://127.0.0.1:8000/blogs/create/ Send

Params Authorization Headers (8) Body Scripts Tests Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON Beautify

```
1 {
2   "title": "Flesch Reading",
3   "content": "The conflation of diverse ideologies manifests a complex paradigm that challenges conventional epistemologies, requiring an
4   analytical framework to deconstruct underlying assumptions and evaluate the resultant implications for societal progression.",
5   "author": 1,
6   "category": 2
7 }
8
```

Body Cookies Headers (10) Test Results (0/1) 500 Internal Server Error 14 ms 432 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "error": "['Content similarity with other posts exceeds 60%. This is considered plagiarism.']"
3 }
```

Top 3 authors - GET

<http://127.0.0.1:8000/top-authors/>

GET http://127.0.0.1:8000/top-authors/ Send

Params Authorization Headers (6) Body Scripts Tests Settings Cookies

☒ none ☐ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

This request does not have a body

Body Cookies Headers (10) Test Results (1/1) 200 OK 21 ms 435 B Save Response

Pretty Raw Preview Visualize JSON

```
1 [
2   {
3     "username": "Anandan123",
4     "num_posts": 5
5   },
6   {
7     "username": "Anand",
8     "num_posts": 2
9   },
10  {
11    "username": "human",
12    "num_posts": 1
13  }
14 ]
```

## Most popular category - GET

<http://127.0.0.1:8000/category/popular/>

The screenshot shows a web client interface with a GET request to `http://127.0.0.1:8000/category/popular`. The response is a 200 OK status with a 22 ms response time and 410 B of data. The response body is displayed in JSON format:

```
1 {
2   "name": "Technology",
3   "description": "All about the latest in technology.",
4   "num_blogs": 5
5 }
```

## List post and author details for each published post. - GET

<http://127.0.0.1:8000/blog/details/>

The screenshot shows a web client interface with a GET request to `http://127.0.0.1:8000/blog/details/`. The response is a 200 OK status with a 17 ms response time and 5.74 KB of data. The response body is displayed in JSON format:

```
1 [
2   {
3     "id": "1"
4   },
5   {
6     "title": "under 500 characters",
7     "content": "A blog (a truncation of weblog)[1] is an informational website consisting of discrete, often informal diary-style text entries (posts). Posts are typically displayed in reverse chronological order so that the most recent post appears first, at the top of the web page. In the 2000s, blogs were often the work of a single individual, occasionally of a small group, and often covered a single subject or topic. In the 2010s, multi-author blogs (MABs) emerged, featuring the writing of multiple authors and sometimes professionally edited. MABs from newspapers, other media outlets, universities, think tanks, advocacy groups, and similar institutions account for an increasing quantity of blog traffic. The rise of Twitter and other microblogging systems help integrate MABs and single-author blogs into the news media. Blog can also be used as a verb, meaning to maintain or add content to a blog. The emergence and growth of blogs in the late 1990s coincided with the advent of web publishing tools that facilitated the posting of content by non-technical users who did not have much experience with HTML or computer programming. Previously, knowledge of such technologies as HTML and File Transfer Protocol had been required to publish content on the Web, and early Web users therefore tended to be hackers and computer enthusiasts. As of the 2010s, the majority are interactive Web 2.0 websites, allowing visitors to leave online comments, and it is this interactivity that distinguishes them from other static websites.[2] In that sense, blogging can be seen as a form of social networking service. Indeed, bloggers not only produce content to post on their blogs but also often build social relations with their readers and other bloggers.[3] Blog owners or authors often moderate and filter online comments to remove hate speech or other",
8     "author": "Anandan123",
9     "publish_date": "2024-10-28T10:08:35.083271Z",
10    }
11 ]
```