

# API Documentation

## Endpoint: /posts

### Description:

Fetch a paginated list of posts, each including:

- - Post text
- - Timestamp
- - Author username
- - Total comment count
- - Up to the 3 most recent comments

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### HTTP Method:

GET

### Request:

#### Query Parameters:

- - page (optional): The page number to fetch (e.g., 1, 2, etc.). Defaults to 1.

#### Example Request:

GET /posts/?page=1

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### Response:

**200 OK**

```
{
  "data": [
    {
      "text": "This is post 5 by david_clark.",

```

```
    "timestamp": "2024-12-06T08:55:42.053753Z",
    "user_username": "david_clark",
    "comment_count": 0,
    "comments": []
  },
  {
    "text": "This is post 4 by david_clark.",
    "timestamp": "2024-12-06T08:55:42.053294Z",
    "user_username": "david_clark",
    "comment_count": 3,
    "comments": [
      {
        "text": "This is comment 22 on post
b9ef8a82-20c9-4c6a-ac6c-28e369bed325.",
        "timestamp": "2024-12-06T08:55:42.092787Z",
        "user_username": "eve_black"
      },
      {
        "text": "This is comment 18 on post
b9ef8a82-20c9-4c6a-ac6c-28e369bed325.",
        "timestamp": "2024-12-06T08:55:42.089369Z",
        "user_username": "alice_wonderland"
      }
    ]
  }
]
```

## Endpoint: /posts/{post\_id}/comments/{n}

### Description:

Fetch a range of comments for a specific post.

### HTTP Method:

GET

### Request:

#### Path Parameters:

- - post\_id (UUID): The ID of the post for which to fetch comments.
- - n (integer): Fetches the range [n-3, n) of comments. If n-3 is less than 0, fetches from the start.

#### Example Request:

GET /posts/5a336140-5371-46f0-a2c4-3ef7f7b239ca/comments/6/

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### Response:

**200 OK**

```
[
  {
    "text": "This is comment 39 on post 5a336140-5371-46f0-a2c4-3ef7f7b239ca.",
    "timestamp": "2024-12-06T08:55:42.102248Z",
    "user_username": "alice_wonderland"
  },
  {
    "text": "This is comment 35 on post
```

```
5a336140-5371-46f0-a2c4-3ef7f7b239ca.",
  "timestamp": "2024-12-06T08:55:42.100099Z",
  "user_username": "david_clark"
},
{
  "text": "This is comment 21 on post 5a336140-5371-46f0-a2c4-3ef7f7b239ca.",
  "timestamp": "2024-12-06T08:55:42.092263Z",
  "user_username": "charlie_brown"
}
]
```

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#### Behavior:

1. If `n` exceeds the number of comments for the post, only the available comments in the range are returned.
2. If `n-3` is less than 0, fetches from the start up to `n`.