

Data Source

You will be building an API that requires you to **fetch data** from this API:

Request:

Route: <https://api.hatchways.io/assessment/blog/posts>

Method: GET

Query Parameters:

Field	Type	Description
tag	String (required)	The tag associated with the blog post.

Notice that the parameter is a query parameter - you can read more about query parameters [here](#). An example of sending the tag parameter is <https://api.hatchways.io/assessment/blog/posts?tag=tech>.

Our API can only filter one tag at a time - notice that the field “tag” is singular and not plural.

It will return a JSON object with an array of blog posts. An example response is:

```
{
  "posts": [{
    "id": 1,
    "author": "Rylee Paul",
    "authorId": 9,
    "likes": 960,
    "popularity": 0.13,
    "reads": 50361,
    "tags": [ "tech", "health" ]
  },
  ...
  ]
}
```

API Requirements

You need the following routes in your API:

Route 1:

Request:

Route: /api/ping

Method: GET

Response:

Response body (JSON):

```
{  
  "success": true  
}
```

Response status code: 200

Route 2:

Request:

Route: /api/posts

Method: GET

Query Parameters:

Field	Type	Description	Default	Example
tags	String (required)	A comma separated list of tags.	N/A	science,tech
sortBy	String (optional)	The field to sort the posts by. The acceptable fields are: <ul style="list-style-type: none">idreadslikespopularity	id	popularity
direction	String (optional)	The direction for sorting. The acceptable fields are: <ul style="list-style-type: none">desc	asc	asc

- | | | | | |
|--|--|-------|--|--|
| | | • asc | | |
|--|--|-------|--|--|

Successful Response:

The API response will be a list of all the blog posts that have **at least one tag specified** in the tags parameter.

The sortBy parameter specifies which field should be used to sort the returned results. This is an optional parameter, with a default value of `id`.

The direction parameter specifies if the results should be returned in ascending order (if the value is "asc") or descending order (if the value is "desc"). The default value of the direction parameter is `asc`.

Here is how the response should look:

Response body (JSON):

```
{
  "posts": [{
    "id": 1,
    "author": "Rylee Paul",
    "authorId": 9,
    "likes": 960,
    "popularity": 0.13,
    "reads": 50361,
    "tags": [ "tech", "health" ]
  },
  ...
]
```

Response status code: 200

Error Responses:

If `tags` parameter is not present:

Response body (JSON):

```
{
  "error": "Tags parameter is required"
}
```

Response status code: 400

If a `sortBy` or `direction` are invalid values, specify an error like below:

Response body (JSON):

```
{
  "error": "sortBy parameter is invalid"
```