

API Endpoints Naming

General Guidelines

1. Use Plural Nouns for Collections

- Use plural forms for endpoints that represent collections of resources
- Example:
 - `/products` for a collection of products
 - `/users` for a collection of users

2. Use Singular Nouns for Specific Resources

- Use singular forms when referring to a specific resource by its ID
- Example:
 - `/products/:product-id` for a specific product

3. Keep Slugs Lowercase

- Use lowercase letters to avoid case-sensitivity issues
- Example:
 - `/orders` instead of `/Orders`

4. Use Hyphens for Multi-Word Slugs

- Use hyphens to separate words in multi-word slugs
- Example:
 - `/order-history` instead of `/orderHistory`

5. Avoid Verbs in Endpoints

- Use HTTP methods to define the action (e.g., `GET`, `POST`, `DELETE`), not the endpoint name
- Example:
 - Use `POST /users` to create a user, not `/create-user`

6. Use Nested Resources for Hierarchical Data

- Use nested paths to show relationships between resources
- Example:
 - `/users/:user-id/orders` for orders belonging to a specific user

API Endpoints Naming:

Below are the endpoints for the API.

Users:

- `GET /users` – Get all users
- `GET /users/:user-id` – Get a specific user by ID
- `POST /users` – Create a new user

- `PUT /users/:user-id` – Update a specific user
- `DELETE /users/:user-id` – Delete a user
- `POST /auth/login` – Log in a user
- `POST /auth/register` – Register a new user
- `POST /auth/logout` – Log out the current user
- `GET /auth/refresh` – Refresh a user's authentication token

Products:

- `GET /products` – Get all products
- `GET /products/:product-id` – Get a specific product
- `POST /products` – Add a new product
- `PUT /products/:product-id` – Update a specific product
- `DELETE /products/:product-id` – Delete a product

Filtering and Searching Query Parameters:

- `/products` – Get all products
- `/products?type=vinyl` – Get products filtered by type
- `/products?search=ABBA` – Search for products by name
- `/products?price-min=100&price-max=500` – Filter products by price range
- `/products?in-stock=true` – Filter by availability (in stock only)
- `/products?type=vinyl&search=beatles&price-min=50&price-max=300` – Combine filters (type, search, price range)
- `/products?sort=price&order=asc` – Sort products

Orders:

- `GET /orders` – Get all orders
- `GET /orders/:order-id` – Get a specific order
- `POST /orders` – Create a new order
- `PUT /orders/:order-id` – Update an existing order
- `DELETE /orders/:order-id` – Cancel an order

Filtering and Searching Query Parameters:

- `/orders` – Get all orders
- `/orders?status=pending` – Filter orders by status
- `/orders?user-id=123` – Filter orders by user ID

- `/orders?start-date=2024-01-01&end-date=2024-12-31` - Filter orders by date range
- `/orders?status=completed&start-date=2024-01-01&end-date=2024-01-31` - Combine filters (status, date range)

Cart:

- `GET /cart` - Get the current cart
- `POST /cart` - Add an item to the cart
- `PUT /cart/:item-id` - Update the quantity of an item in the cart
- `DELETE /cart/:item-id` - Remove an item from the cart

Filtering and Searching Query Parameters:

- `/cart?user-id=123` - Get cart items filtered by user