



Postman Examples API Specification Document

Todo API

1.1 Get All Todos

- **Method:** GET
- **Endpoint:** /todos
- **Description:** Fetches all todos.

Sample Request Body

none

Sample Response

```
[  
  { "id": 1, "title": "Learn Node.js", "completed": false },  
  { "id": 2, "title": "Write Postman tests", "completed": true }  
]
```

1.2 Get a Single Todo

- **Method:** GET
- **Endpoint:** /todos/:id
- **Description:** Fetch a specific todo by ID.

Sample Request Body

None

Sample Response

```
{ "id": 1, "title": "Learn Node.js", "completed": false }
```

1.3 Add a New Todo

- **Method:** POST
- **Endpoint:** /todos
- **Description:** Creates a new todo.

Sample Request Body

```
{  
  "title": "Read documentation"  
}
```

Sample Response

```
{ "id": 3, "title": "Read documentation", "completed": false }
```

1.4 Update a Todo

- **Method:** PUT
- **Endpoint:** /todos/:id
- **Description:** Updates an existing todo.

Sample Request Body

```
{
  "id" : 1,
  "title": "Learn Express.js",
  "completed": true
}
```

Sample Response

```
{ "id": 1, "title": "Learn Express.js", "completed": true }
```

1.5 Delete a Todo

- **Method:** DELETE
- **Endpoint:** /todos/:id
- **Description:** Deletes a specific todo.

Sample Request Body

None

Sample Response

204 No Content

Blog API

3.1 Get All Posts

- **Method:** GET
- **Endpoint:** /posts
- **Description:** Fetches all blog posts.

Sample Request Body

None

Sample Response

```
[
  { "id": 1, "title": "First Post", "content": "This is my first post!", "author": "Admin", "likes": 0 },
  { "id": 2, "title": "Second Post", "content": "Learning Node.js is fun!", "author": "User1",
    "likes": 3 }
]
```

3.2 Get a Single Post

- **Method:** GET
- **Endpoint:** /posts/:id
- **Description:** Fetches details of a specific blog post by ID.

Sample Request Body

None

Sample Response

```
{ "id": 1, "title": "First Post", "content": "This is my first post!", "author": "Admin", "likes": 0 }
```

3.3 Create a New Post

- **Method:** POST
- **Endpoint:** /posts
- **Description:** Creates a new blog post.

Sample Request Body

```
{  
  "title": "New Post",  
  "content": "This is a new blog post.",  
  "author": "User2"  
}
```

Sample Response

```
{ "id": 3, "title": "New Post", "content": "This is a new blog post.", "author": "User2", "likes": 0 }
```

3.4 Like a Post

- **Method:** POST
- **Endpoint:** /posts/:id/like
- **Description:** Likes a blog post.

Sample Request Body

None

Sample Response

```
{ "id": 1, "title": "First Post", "content": "This is my first post!", "author": "Admin", "likes": 1 }
```

3.5 Add a Comment

- **Method:** POST
- **Endpoint:** /posts/:id/comments
- **Description:** Adds a comment to a blog post.

Sample Request Body

```
{  
  "content": "Great post!",  
  "author": "User3"  
}
```

Sample Response

```
{ "id": 1, "postId": 1, "content": "Great post!", "author": "User3" }
```

Ecommerce API

2.1 Get All Products

- **Method:** GET
- **Endpoint:** /products
- **Description:** Fetches all available products.

Sample Request Body

None

Sample Response

```
[  
  { "id": 1, "name": "Laptop", "price": 1000, "stock": 10, "description": "High-performance laptop" },  
  { "id": 2, "name": "Phone", "price": 500, "stock": 20, "description": "Latest smartphone" }  
]
```

2.2 Get Product Details

- **Method:** GET
- **Endpoint:** /products/:id
- **Description:** Fetch details of a specific product by ID.

Sample Request Body

None

Sample Response

```
{ "id": 1, "name": "Laptop", "price": 1000, "stock": 10, "description": "High-performance laptop" }
```

2.3 Add Product to Cart

- **Method:** POST
- **Endpoint:** /cart
- **Description:** Adds a product to the cart.

Sample Request Body

```
{  
  "productId": 1,  
  "quantity": 2  
}
```

Sample Response

```
[
  { "productId": 1, "quantity": 2 }
]
```

2.4 View Cart

- **Method:** GET
- **Endpoint:** /cart
- **Description:** Fetches all items in the cart.

Sample Request Body

None

Sample Response

```
[
  { "productId": 1, "quantity": 2, "productName": "Laptop", "price": 1000 }
]
```

2.5 Place an Order

- **Method:** POST
- **Endpoint:** /orders
- **Description:** Places an order with items in the cart.

Sample Request

```
{
  "userId": 1
}
```

Sample Response

```
{
  "id": 1,
  "userId": 1,
  "items": [
    { "productId": 1, "quantity": 2 }
  ],
  "totalAmount": 2000
}
```

2.6 Get All Orders

- **Method:** GET
- **Endpoint:** /orders
- **Description:** Fetches all orders.

Sample Request Body

None

Sample Response

```
[
  {
    "id": 1,
    "userId": 1,
    "items": [
      { "productId": 1, "quantity": 2 }
    ],
    "totalAmount": 2000
  }
]
```

2.7 Add a New User

- **Method:** POST
- **Endpoint:** /users
- **Description:** Adds a new user to the system.

Sample Request Body

```
{
  "name": "John Doe",
  "email": "john.doe@example.com"
}
```

Sample Response

```
{ "id": 1, "name": "John Doe", "email": "john.doe@example.com" }
```

2.8 Get All Users

- **Method:** GET
- **Endpoint:** /users
- **Description:** Fetches all registered users.

Sample Request Body

None

Sample Response

```
[
  { "id": 1, "name": "John Doe", "email": "john.doe@example.com" }
]
```

Thank You
Edges For Training Team