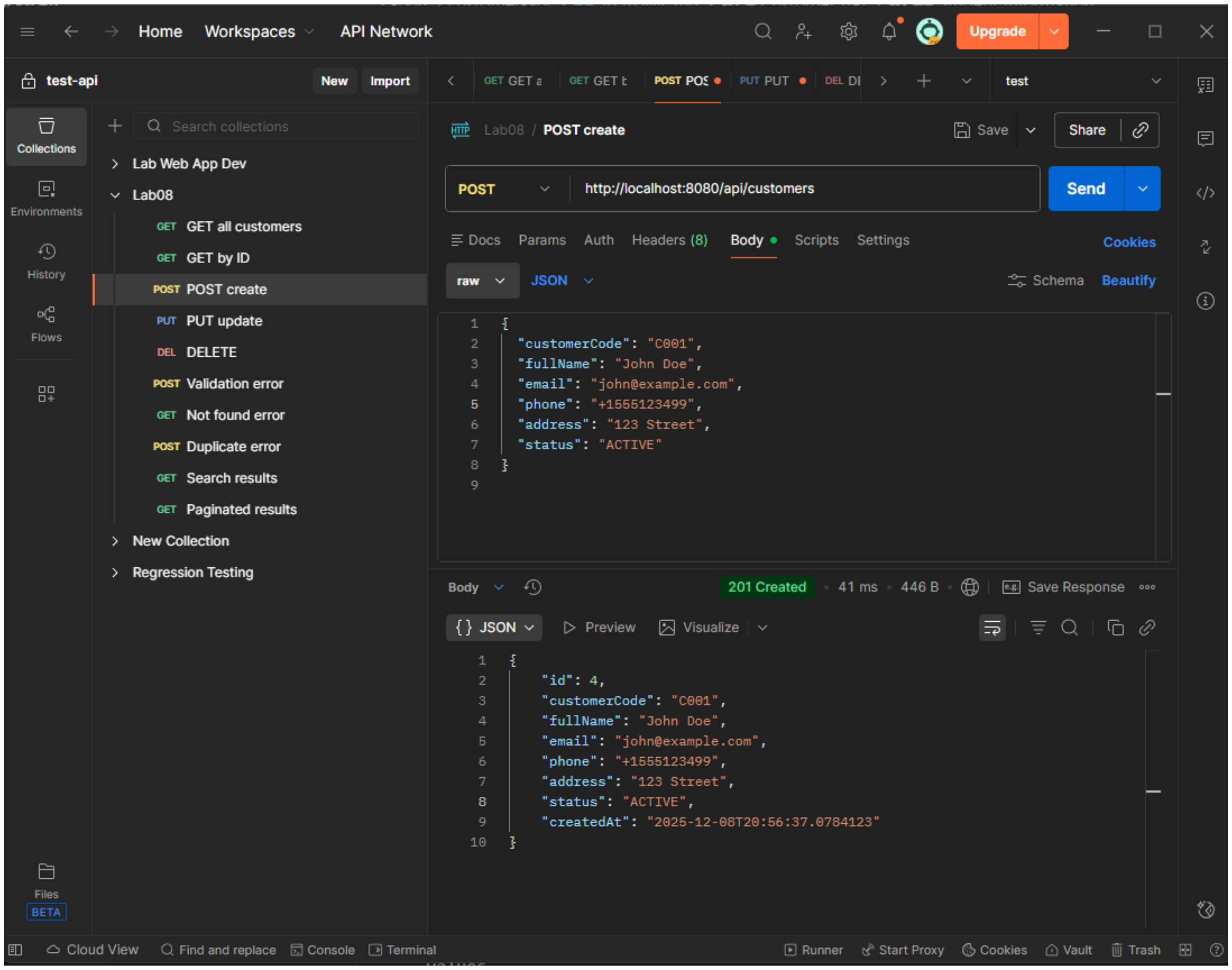
Post create:



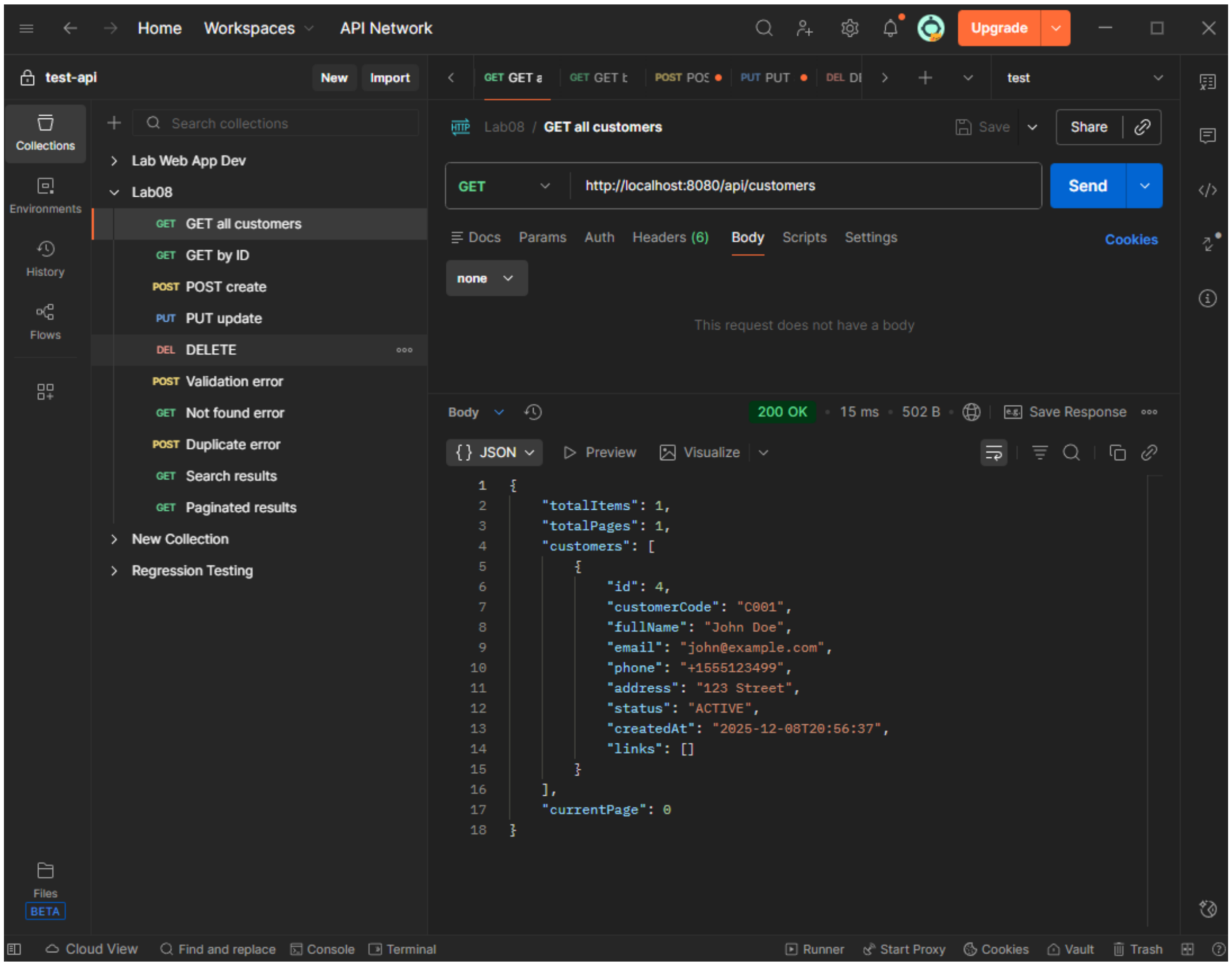
POST http://localhost:8080/api/customers

```
{
  "customerCode": "C001",
  "fullName": "John Doe",
  "email": "john@example.com",
  "phone": "+1555123499",
  "address": "123 Street",
  "status": "ACTIVE"
}
```

201 Created · 41 ms · 446 B

```
{
    "id": 4,
    "customerCode": "C001",
    "fullName": "John Doe",
    "email": "john@example.com",
    "phone": "+1555123499",
    "address": "123 Street",
    "status": "ACTIVE",
    "createdAt": "2025-12-08T20:56:37.0784123"
}
```

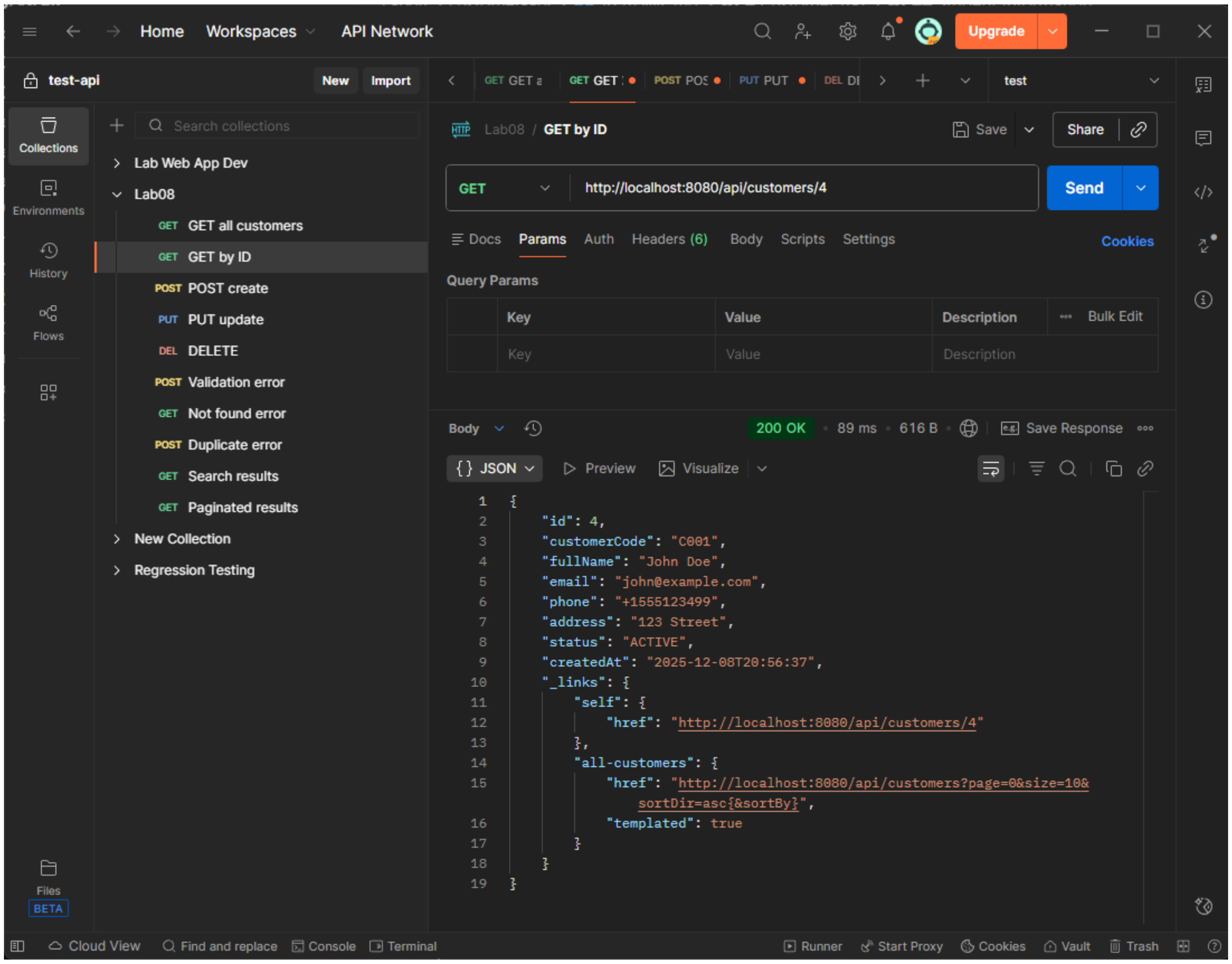
GET all



GET http://localhost:8080/api/customers

```
{
    "totalItems": 1,
    "totalPages": 1,
    "customers": [
        {
            "id": 4,
            "customerCode": "C001",
            "fullName": "John Doe",
            "email": "john@example.com",
            "phone": "+1555123499",
            "address": "123 Street",
            "status": "ACTIVE",
            "createdAt": "2025-12-08T20:56:37",
            "links": []
        }
    ],
    "currentPage": 0
}
```

GET by ID



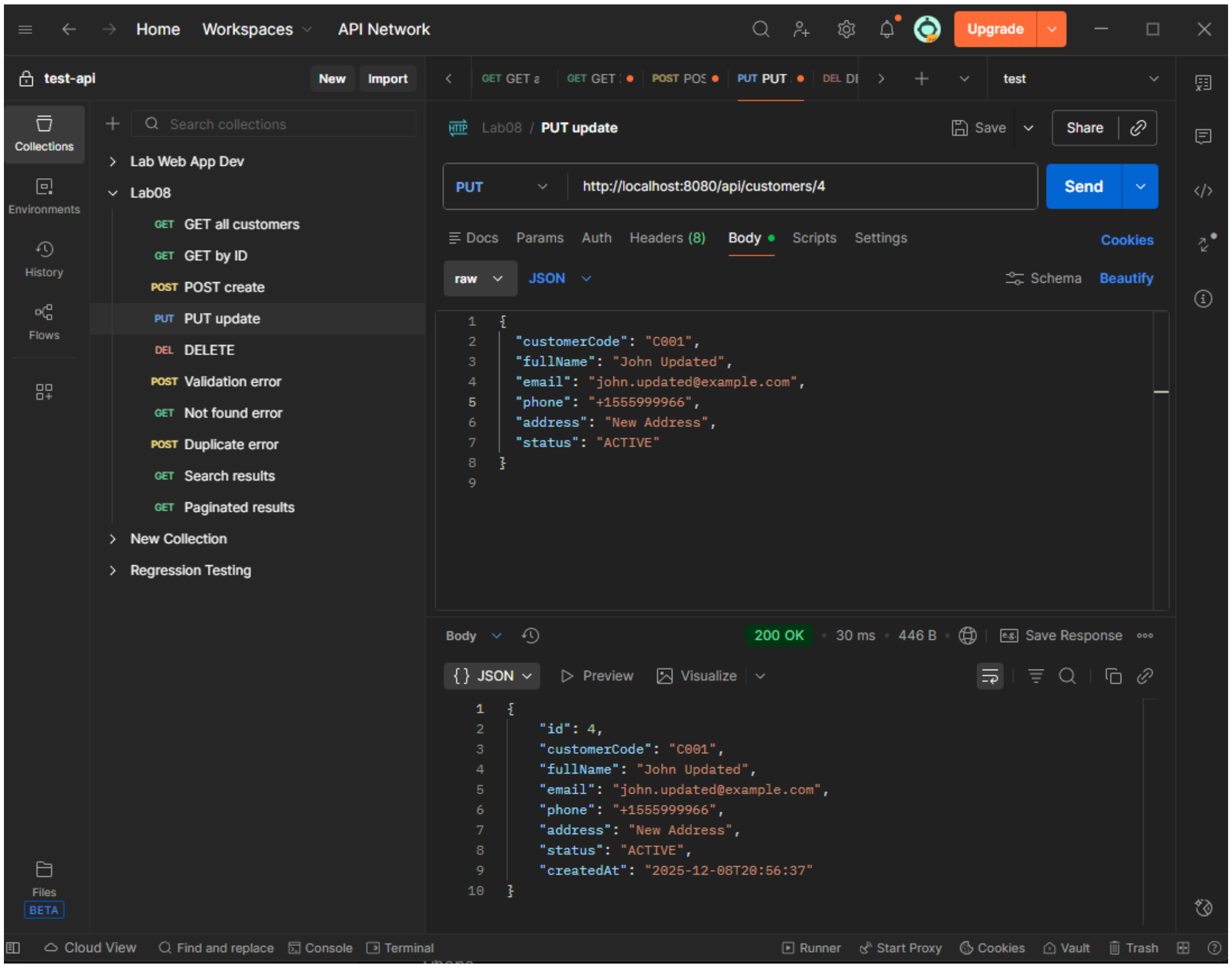
GET http://localhost:8080/api/customers/4

Key	Value	Description
Key	Value	Description

Body — 200 OK • 89 ms • 616 B

```
{
    "id": 4,
    "customerCode": "C001",
    "fullName": "John Doe",
    "email": "john@example.com",
    "phone": "+1555123499",
    "address": "123 Street",
    "status": "ACTIVE",
    "createdAt": "2025-12-08T20:56:37",
    "_links": {
        "self": {
            "href": "http://localhost:8080/api/customers/4"
        },
        "all-customers": {
            "href": "http://localhost:8080/api/customers?page=0&size=10&
                sortDir=asc{&sortBy}",
            "templated": true
        }
    }
}
```

PUT update



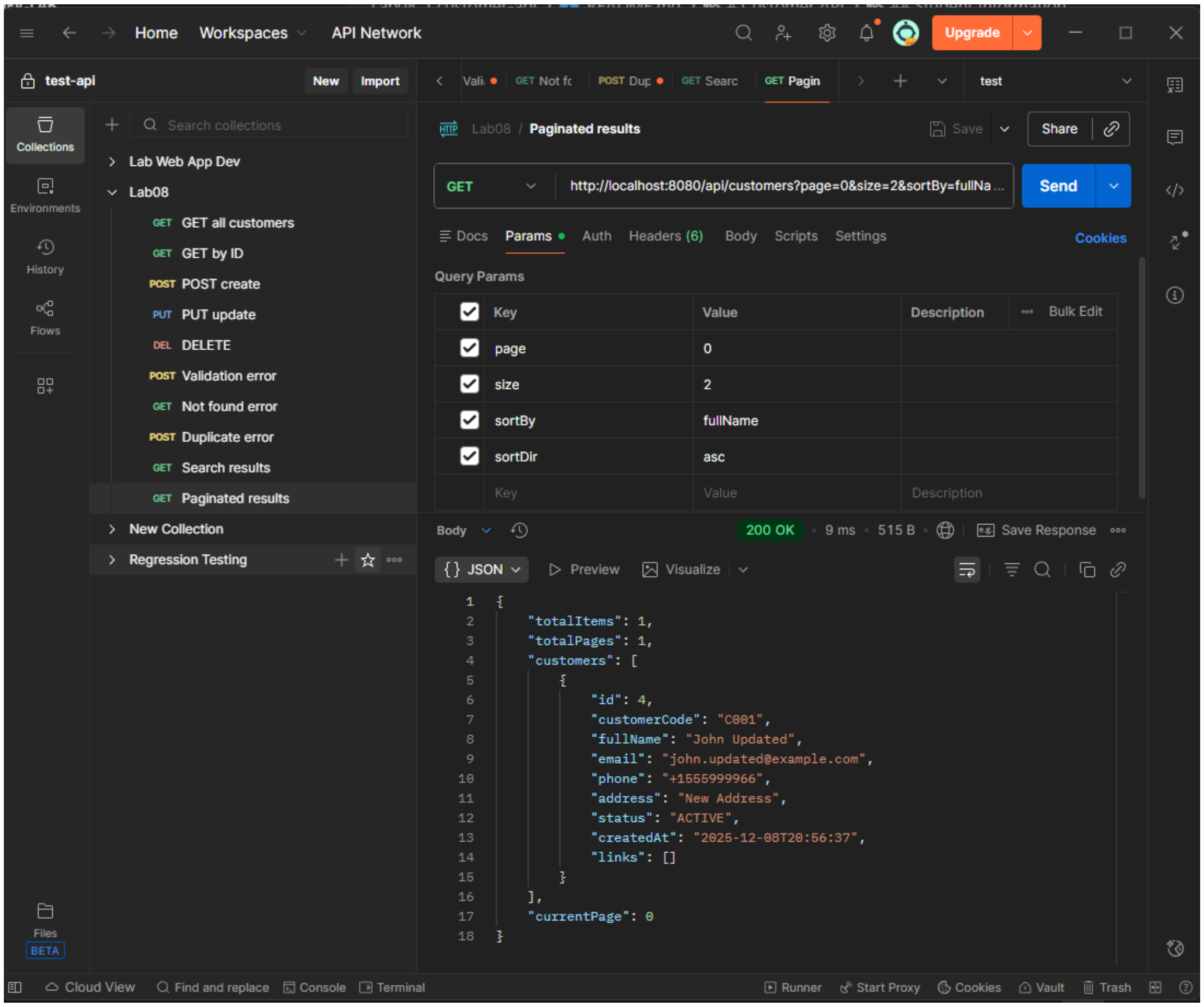
PUT http://localhost:8080/api/customers/4

```
{
  "customerCode": "C001",
  "fullName": "John Updated",
  "email": "john.updated@example.com",
  "phone": "+1555999966",
  "address": "New Address",
  "status": "ACTIVE"
}
```

200 OK • 30 ms • 446 B

```
{
    "id": 4,
    "customerCode": "C001",
    "fullName": "John Updated",
    "email": "john.updated@example.com",
    "phone": "+1555999966",
    "address": "New Address",
    "status": "ACTIVE",
    "createdAt": "2025-12-08T20:56:37"
}
```

GET all (paginated)



GET http://localhost:8080/api/customers?page=0&size=2&sortBy=fullNa ...

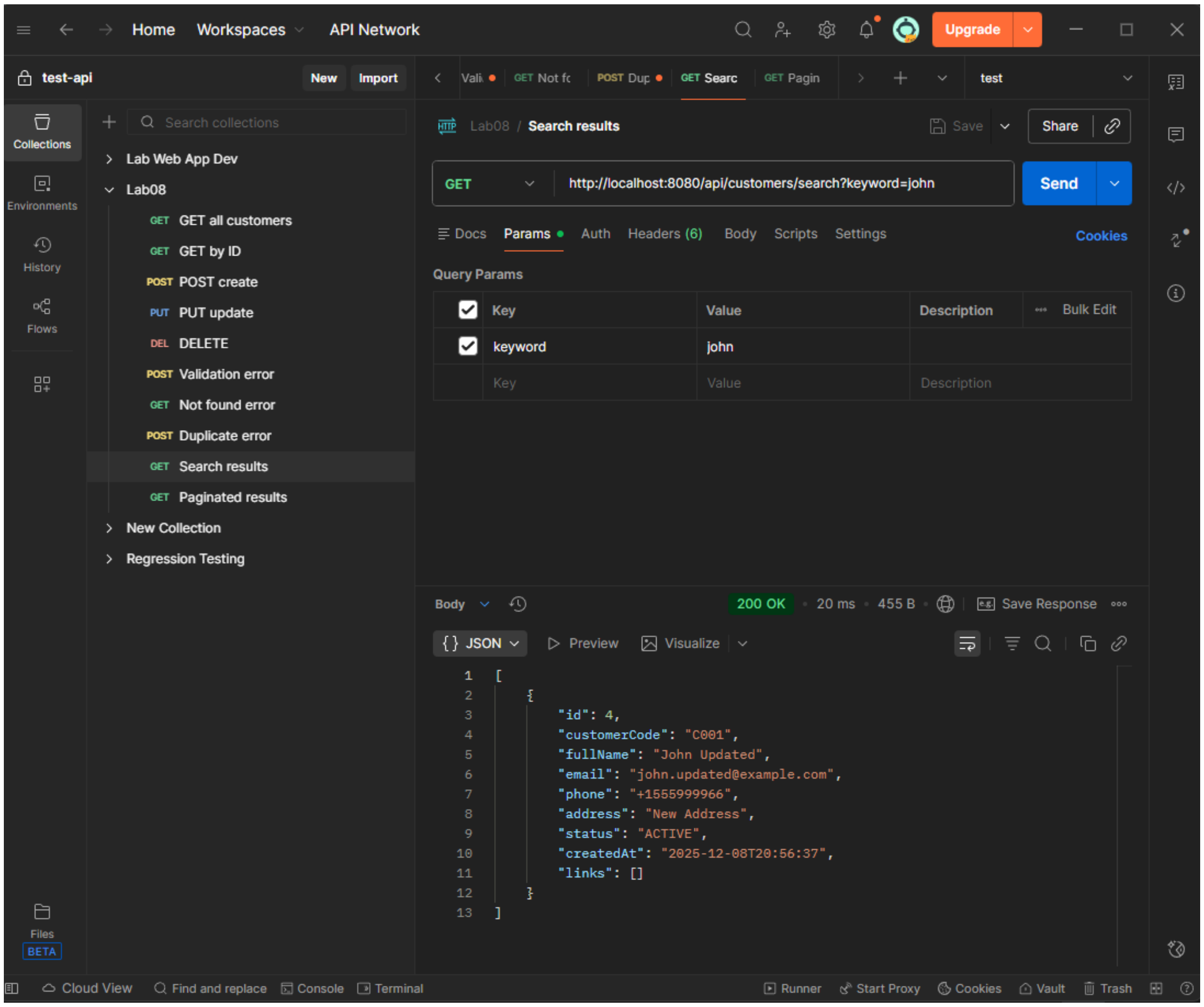
Query Params

Key	Value	Description
✓ page	0	
✓ size	2	
✓ sortBy	fullName	
✓ sortDir	asc	

200 OK • 9 ms • 515 B

```
{
    "totalItems": 1,
    "totalPages": 1,
    "customers": [
        {
            "id": 4,
            "customerCode": "C001",
            "fullName": "John Updated",
            "email": "john.updated@example.com",
            "phone": "+1555999966",
            "address": "New Address",
            "status": "ACTIVE",
            "createdAt": "2025-12-08T20:56:37",
            "links": []
        }
    ],
    "currentPage": 0
}
```

Search Keyword



GET http://localhost:8080/api/customers/search?keyword=john

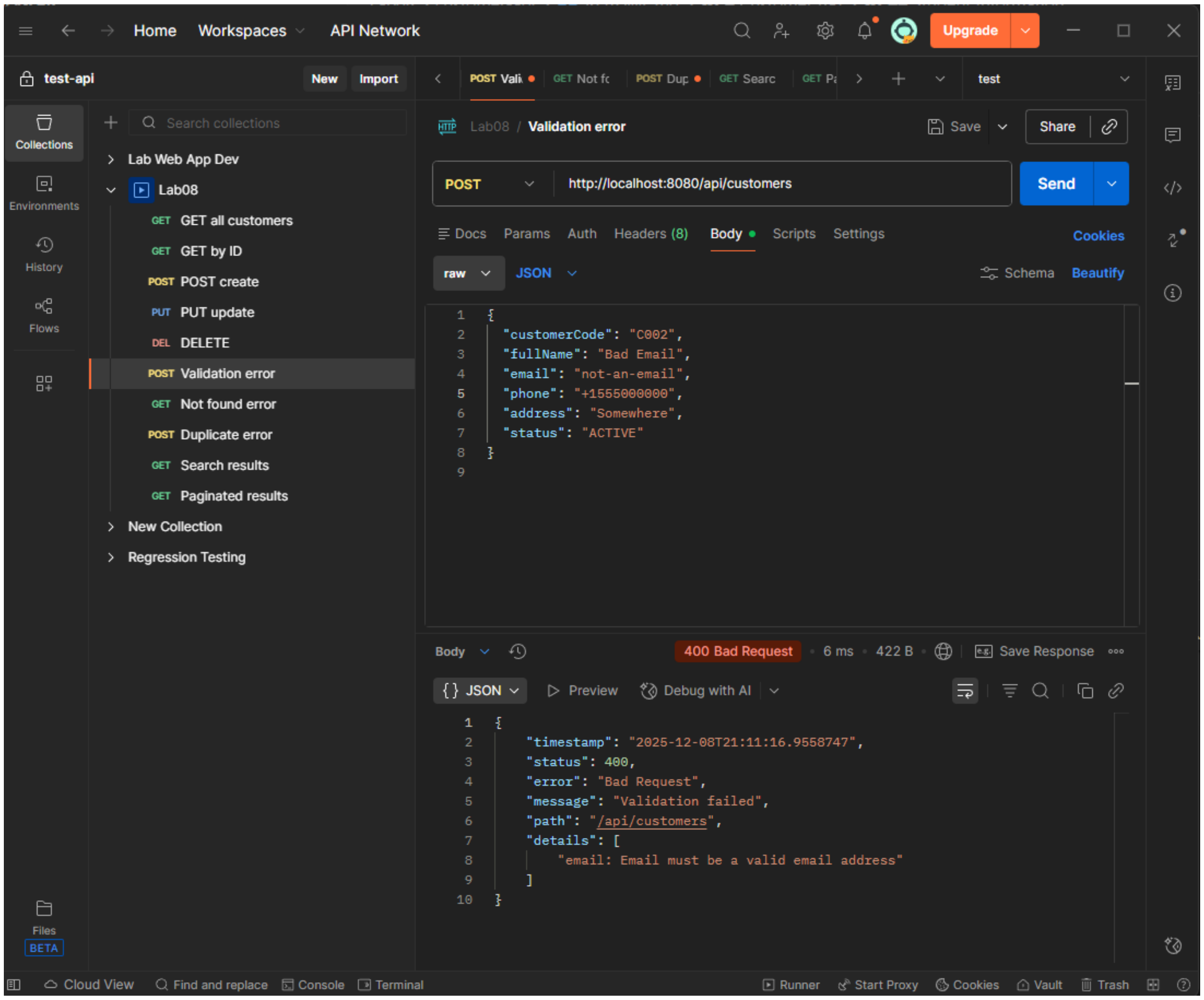
Query Params

	Key	Value	Description
✓	keyword	john	

200 OK · 20 ms · 455 B

```
[
    {
        "id": 4,
        "customerCode": "C001",
        "fullName": "John Updated",
        "email": "john.updated@example.com",
        "phone": "+1555999966",
        "address": "New Address",
        "status": "ACTIVE",
        "createdAt": "2025-12-08T20:56:37",
        "links": []
    }
]
```

Validation error

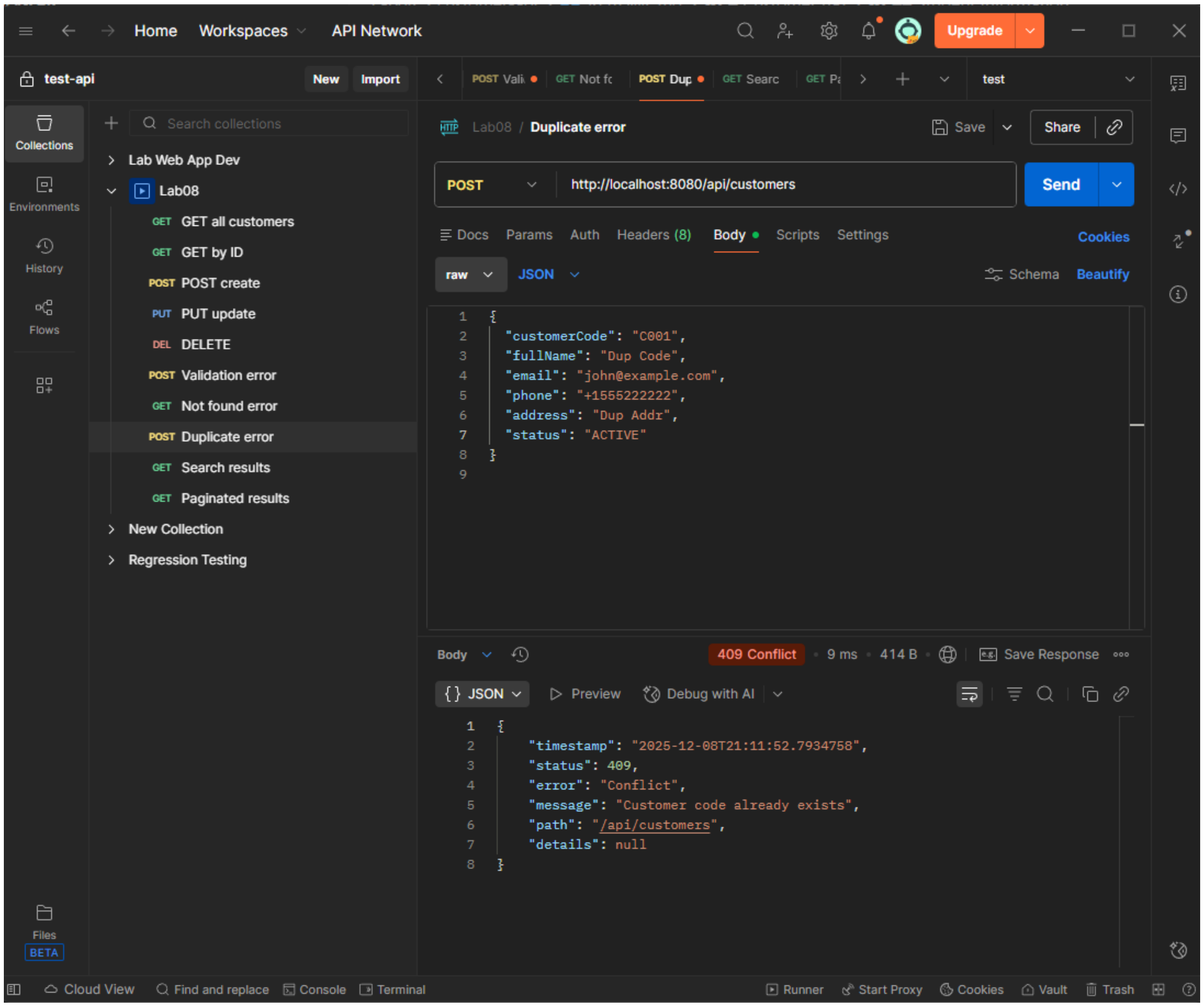


POST http://localhost:8080/api/customers

```
{
  "customerCode": "C002",
  "fullName": "Bad Email",
  "email": "not-an-email",
  "phone": "+1555000000",
  "address": "Somewhere",
  "status": "ACTIVE"
}
```

```
{
    "timestamp": "2025-12-08T21:11:16.9558747",
    "status": 400,
    "error": "Bad Request",
    "message": "Validation failed",
    "path": "/api/customers",
    "details": [
        "email: Email must be a valid email address"
    ]
}
```

Duplicate error



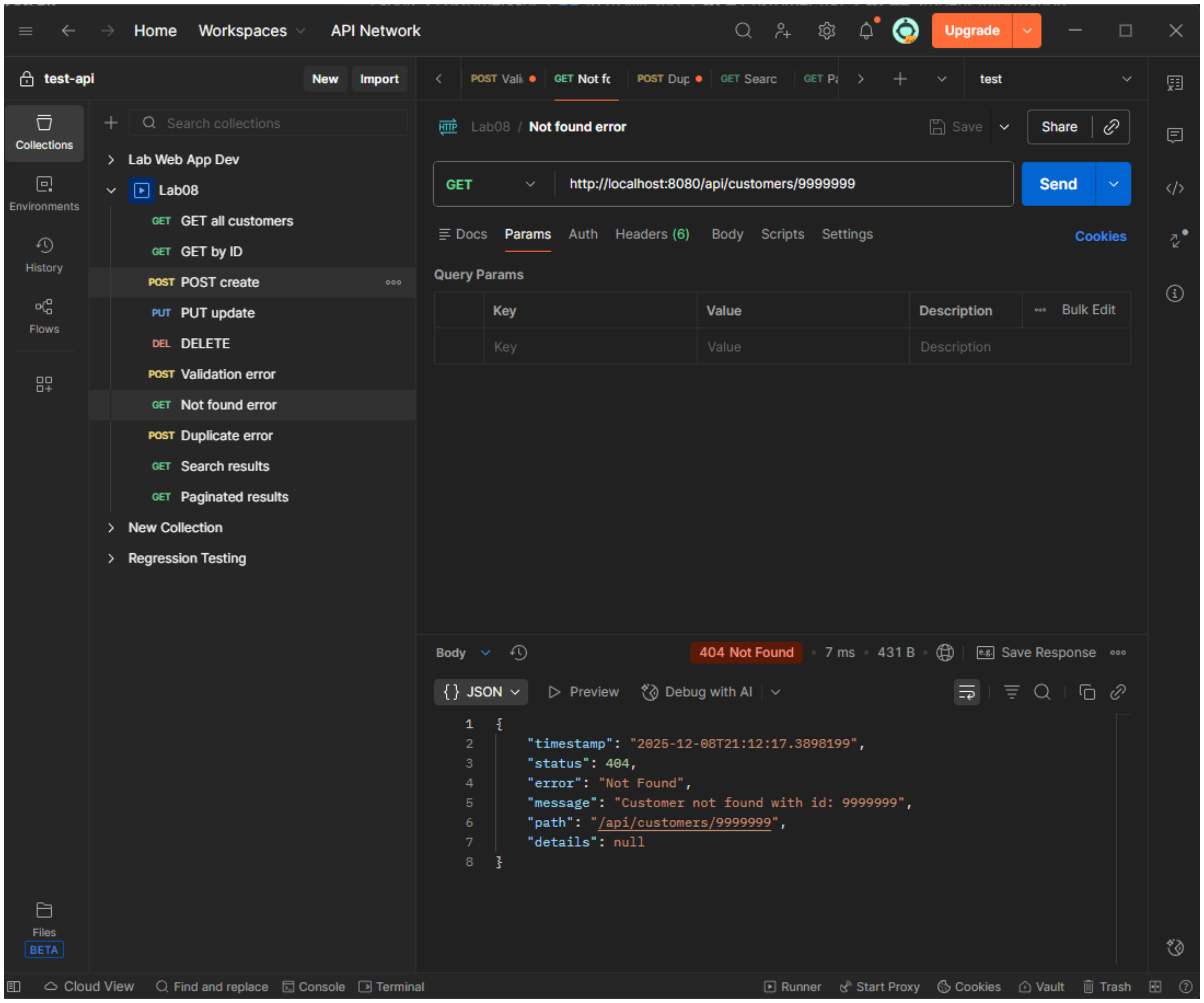
POST http://localhost:8080/api/customers

```
{
  "customerCode": "C001",
  "fullName": "Dup Code",
  "email": "john@example.com",
  "phone": "+1555222222",
  "address": "Dup Addr",
  "status": "ACTIVE"
}
```

Body · 409 Conflict · 9 ms · 414 B

```
{
    "timestamp": "2025-12-08T21:11:52.7934758",
    "status": 409,
    "error": "Conflict",
    "message": "Customer code already exists",
    "path": "/api/customers",
    "details": null
}
```

Not Found



Lab08 / Not found error

GET http://localhost:8080/api/customers/9999999

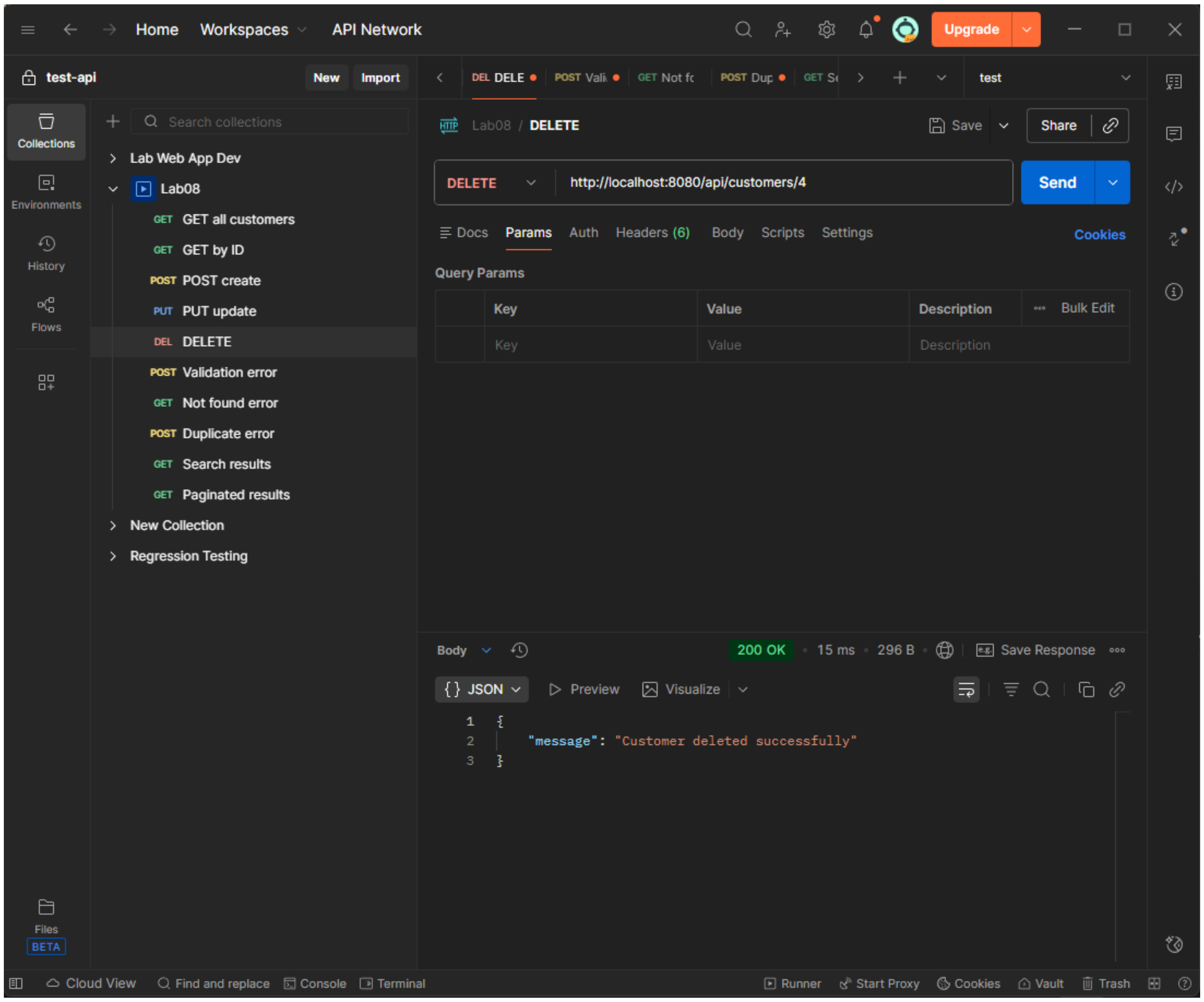
Query Params

Key	Value	Description
Key	Value	Description

Body 404 Not Found · 7 ms · 431 B

```
{
    "timestamp": "2025-12-08T21:12:17.3898199",
    "status": 404,
    "error": "Not Found",
    "message": "Customer not found with id: 9999999",
    "path": "/api/customers/9999999",
    "details": null
}
```

DELETE



DELETE http://localhost:8080/api/customers/4

200 OK • 15 ms • 296 B

```
{
    "message": "Customer deleted successfully"
}
```