

```

] o.a.c.c.C.[Tomcat-4].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
] o.s.web.servlet.DispatcherServlet : Completed initialization in 15 ms

pc385a017d3b9300cd-385a017d3b9300cd] .m.m.a.ExceptionHandlerExceptionHandlerResolver : Resolved [com.nk.wipro.exception.BloodNotFoundException: Blood record not found with ID: 99]

```

Figure 1AOP Logging

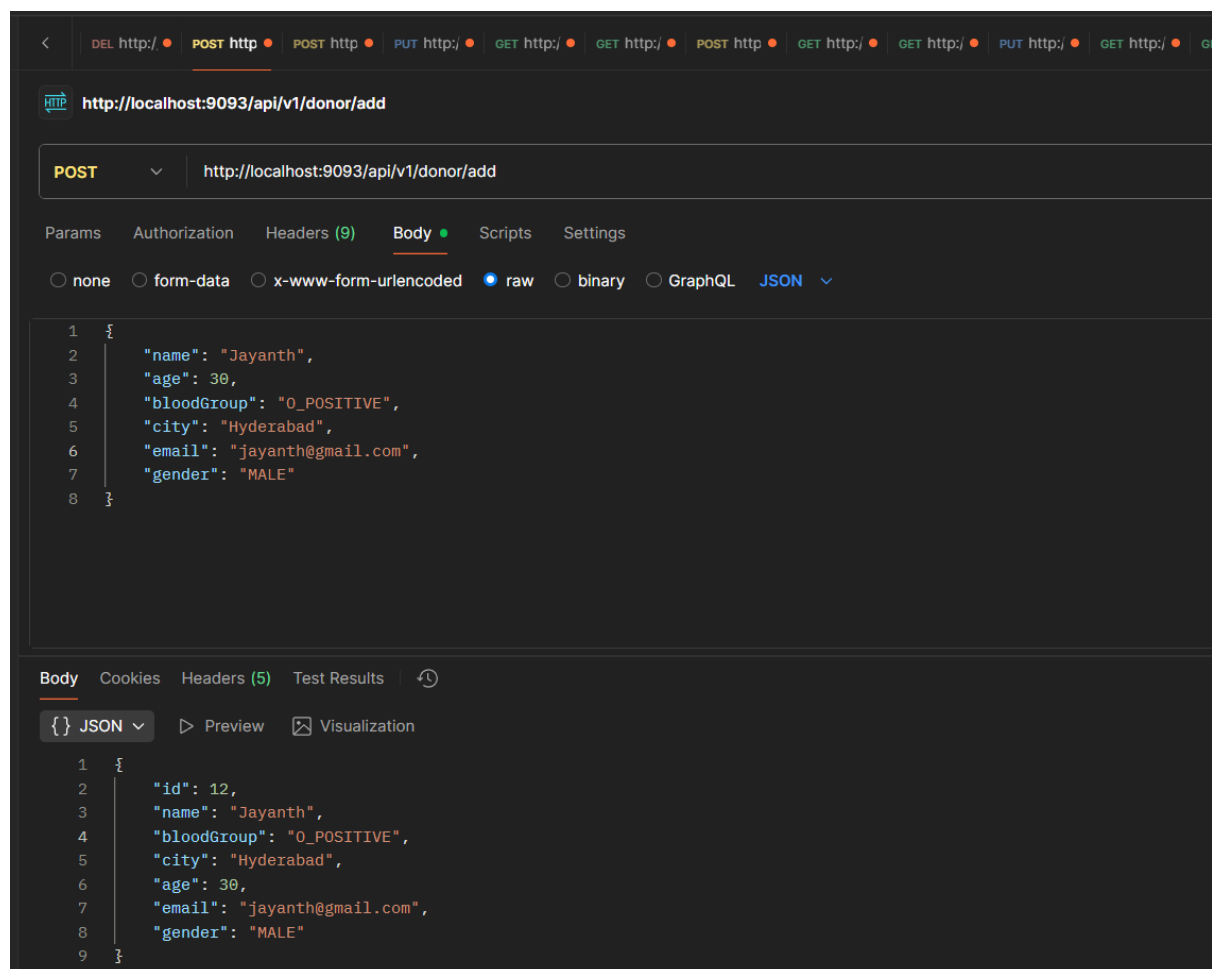
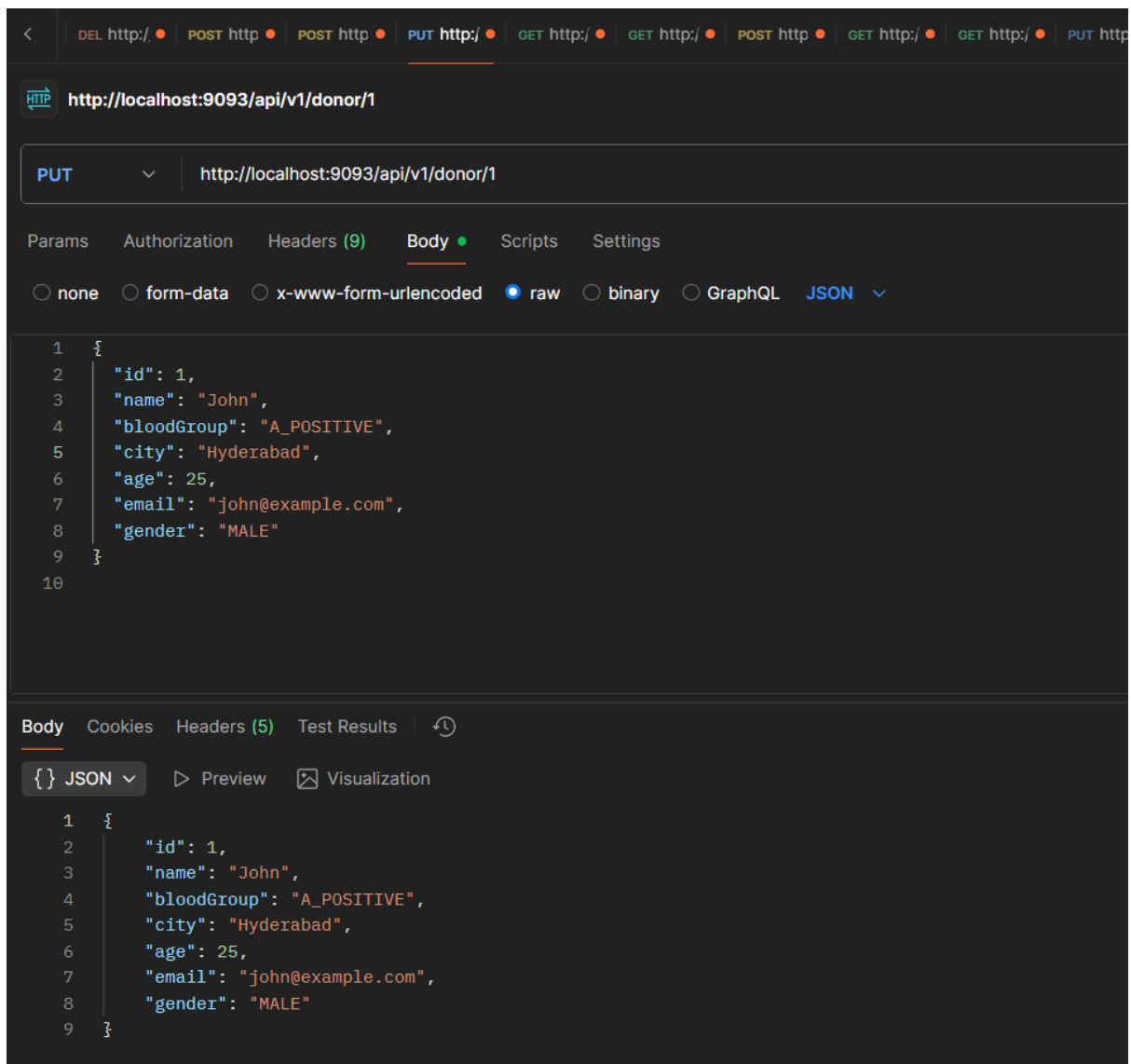


Figure 2Adding Donor



*Figure 3 Updating Donor*

HTTP client interface showing a GET request to `http://localhost:9093/api/v1/donor/bloodGroup/A_POSITIVE`.

**Params** | Authorization | Headers (7) | Body | Scripts | Settings

**Query Params**

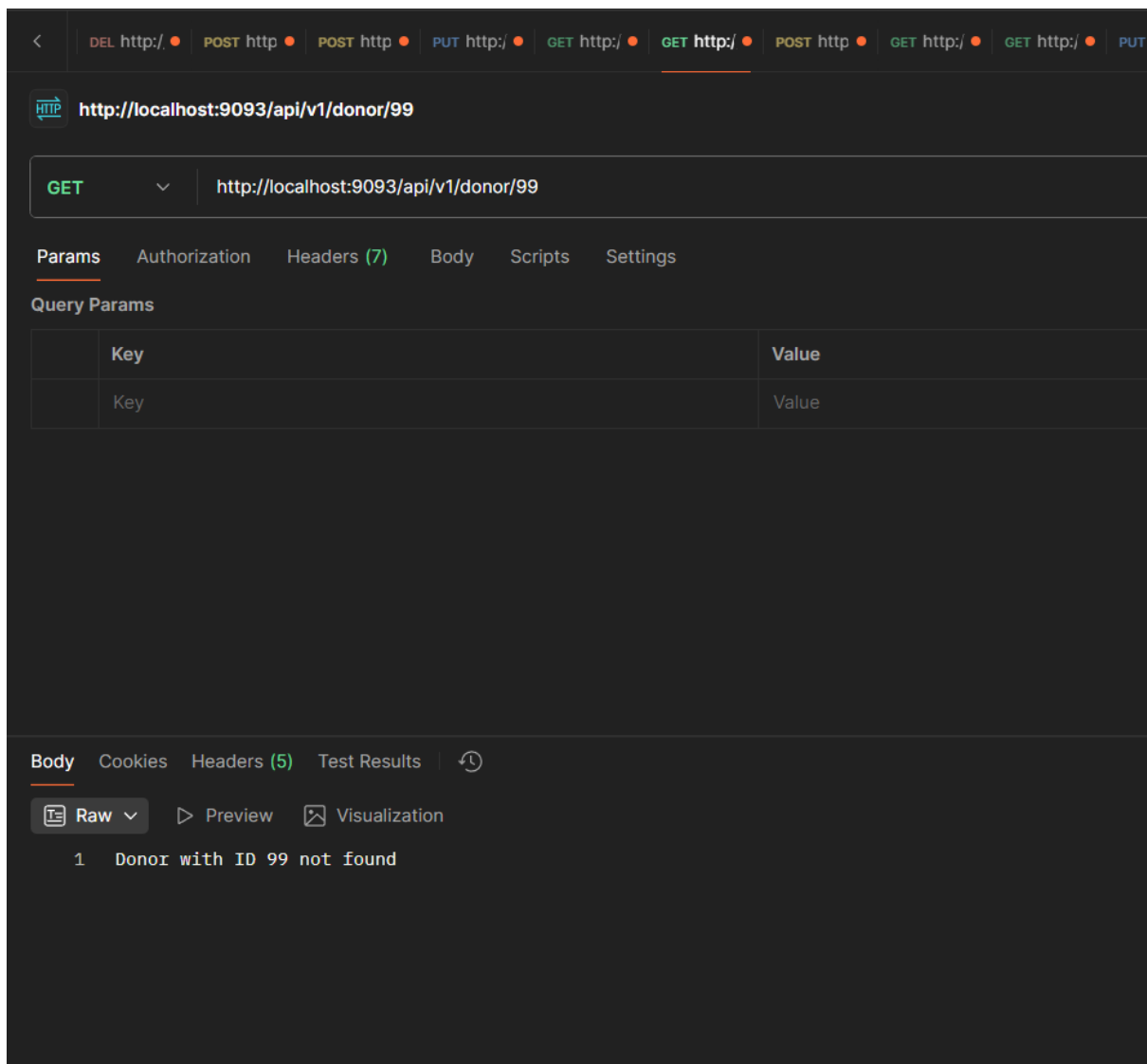
Key	Value
Key	Value

**Body** | Cookies | Headers (5) | Test Results | ↻

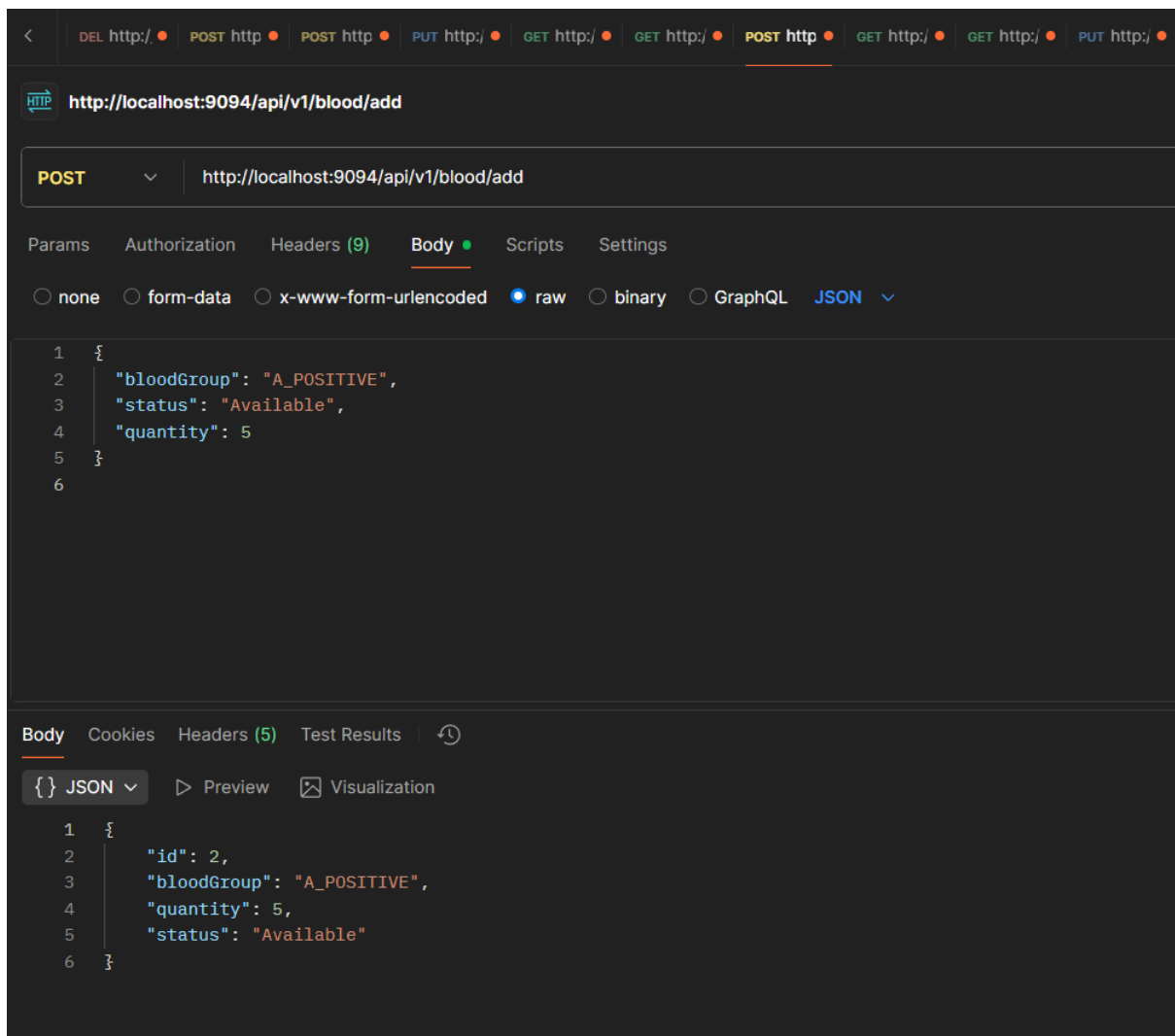
**JSON** | Preview | Visualization

```
1  [
2    {
3      "id": 1,
4      "name": "John",
5      "bloodGroup": "A_POSITIVE",
6      "city": "Hyderabad",
7      "age": 25,
8      "email": "john@example.com",
9      "gender": "MALE"
10   },
11   {
12     "id": 4,
13     "name": "John Doe",
14     "bloodGroup": "A_POSITIVE",
15     "city": "Hyderabad",
16     "age": 30,
17     "email": "john@example.com",
18     "gender": "MALE"
19   },
20   {
```

Figure 4Getting Donor by BloodGroup



*Figure 5 Donor with Id Not Found Exception*



*Figure 6 Adding BloodService*

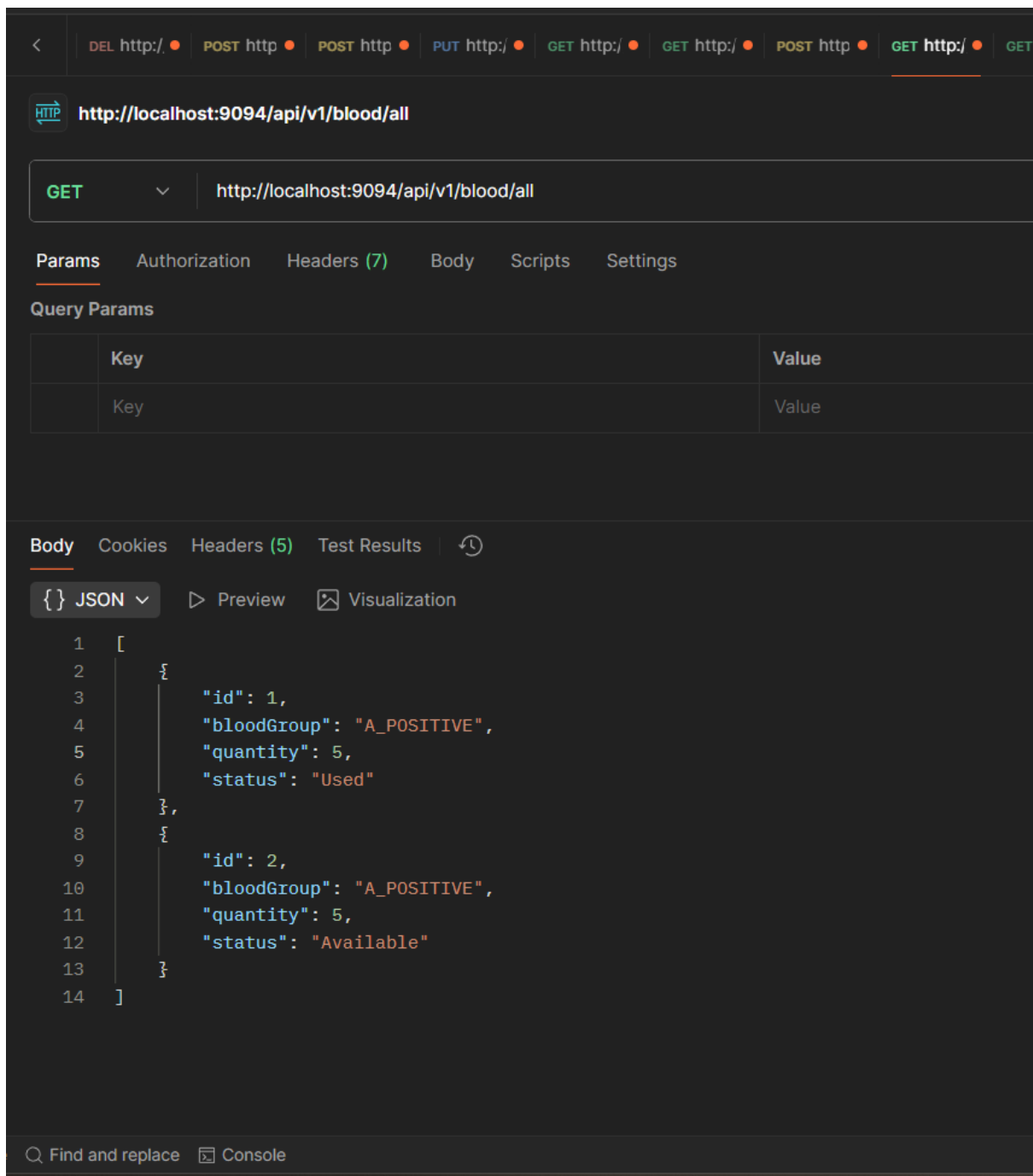
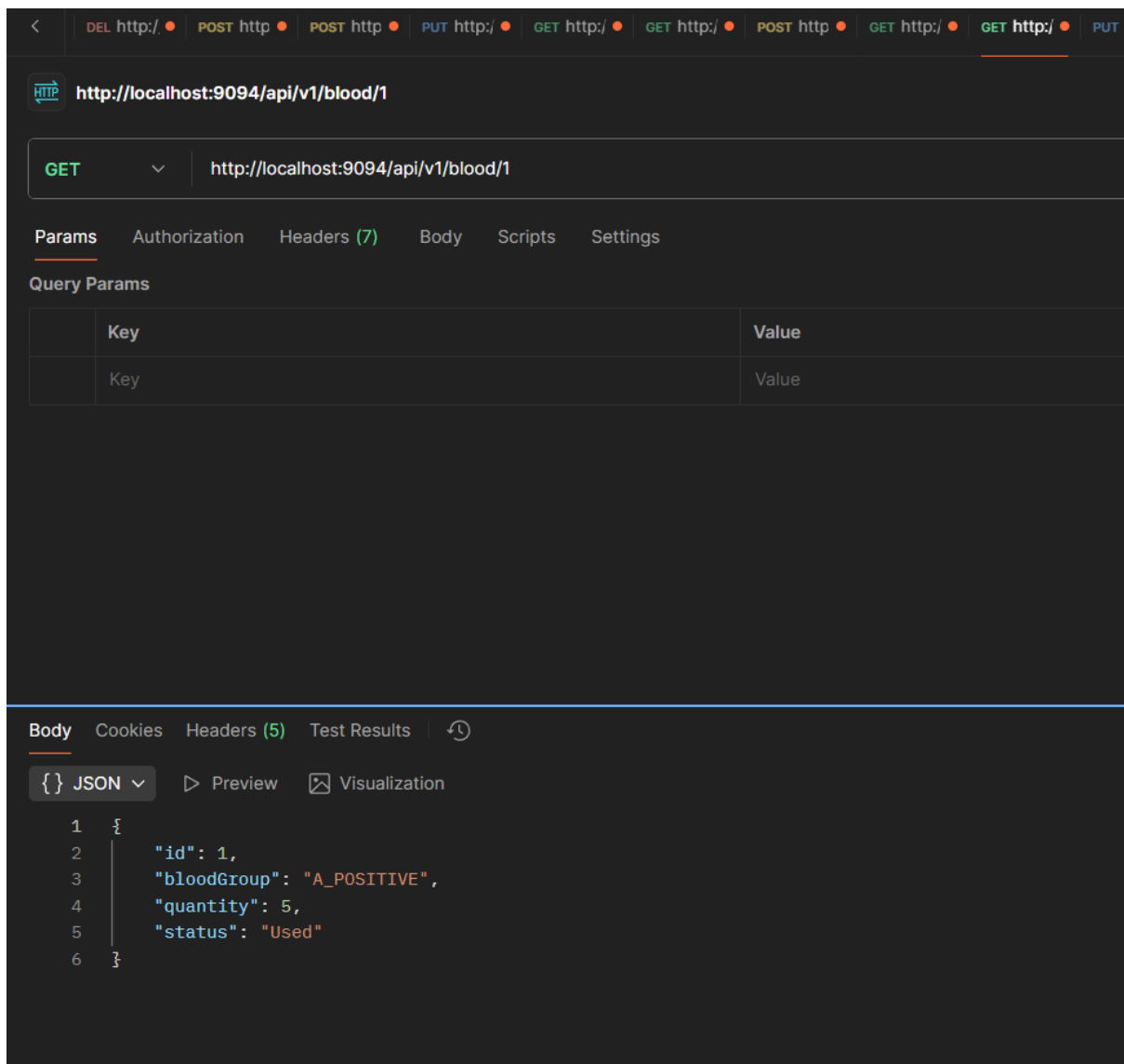


Figure 7Getting BloodService



*Figure 8*Getting BloodService By Id

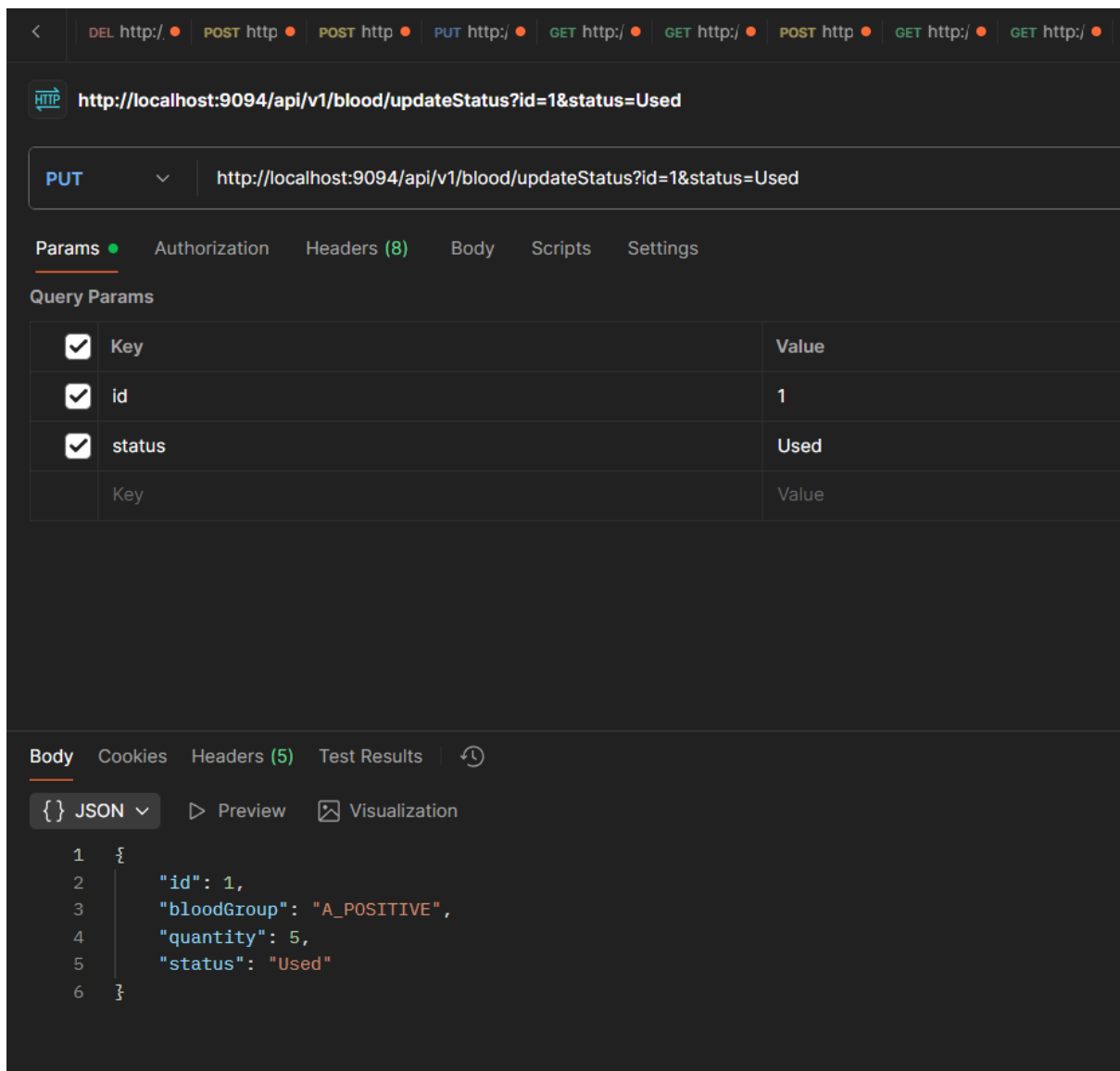
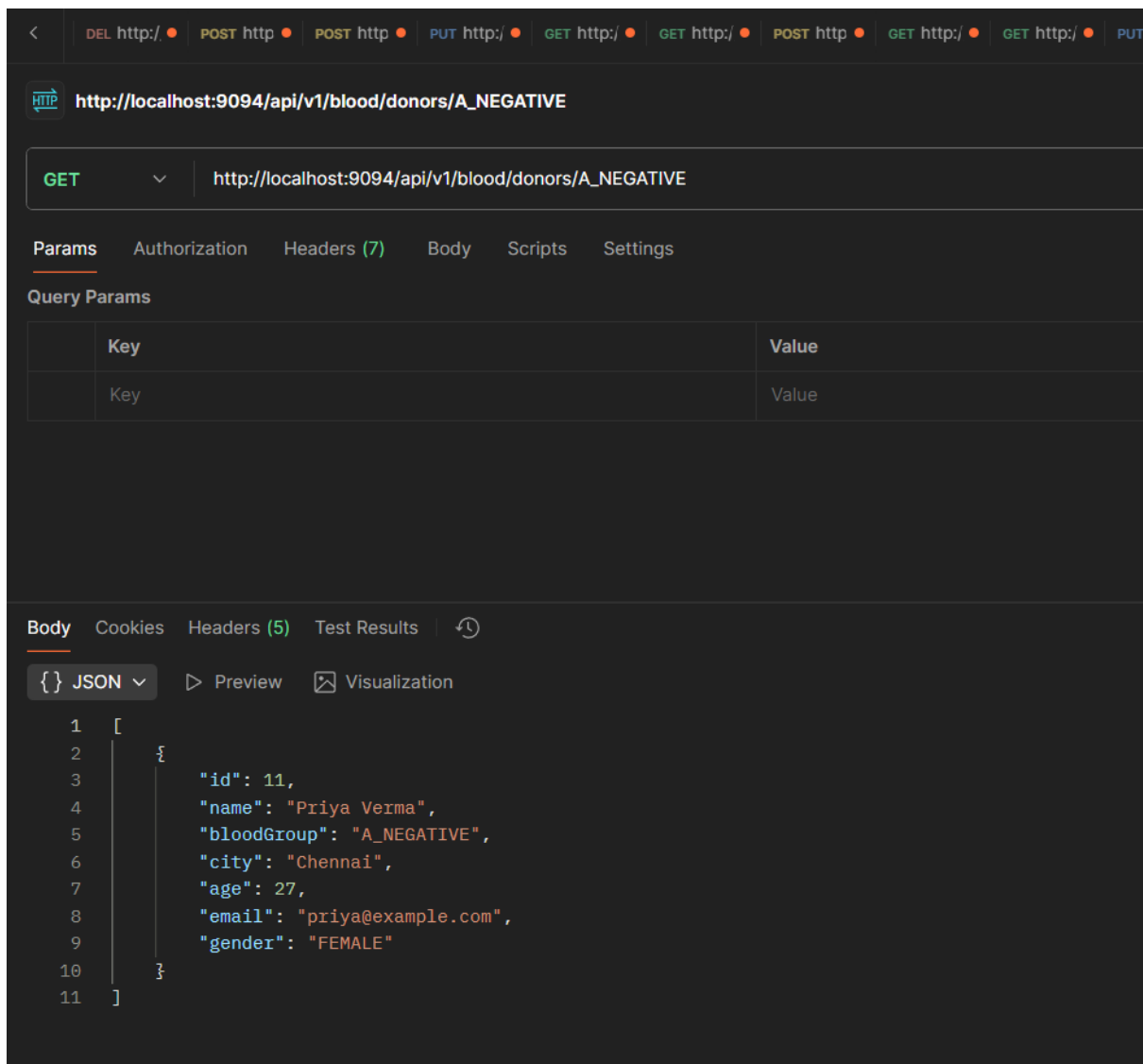


Figure 9 Updating BloodService





*Figure 10 Linking Blood with Donor and getting Donor by BloodGroup*

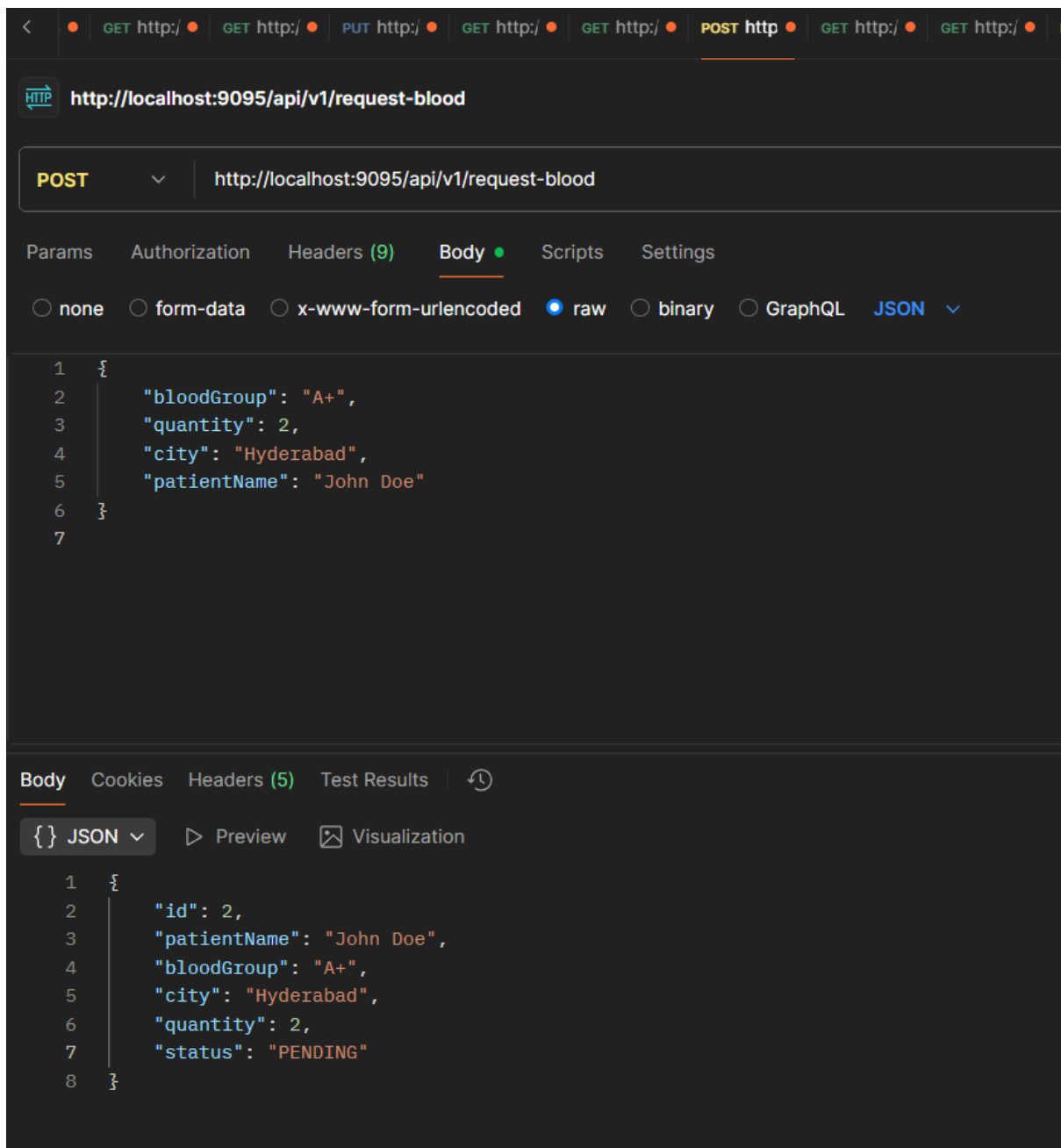


Figure 11 Creating RequestBlood

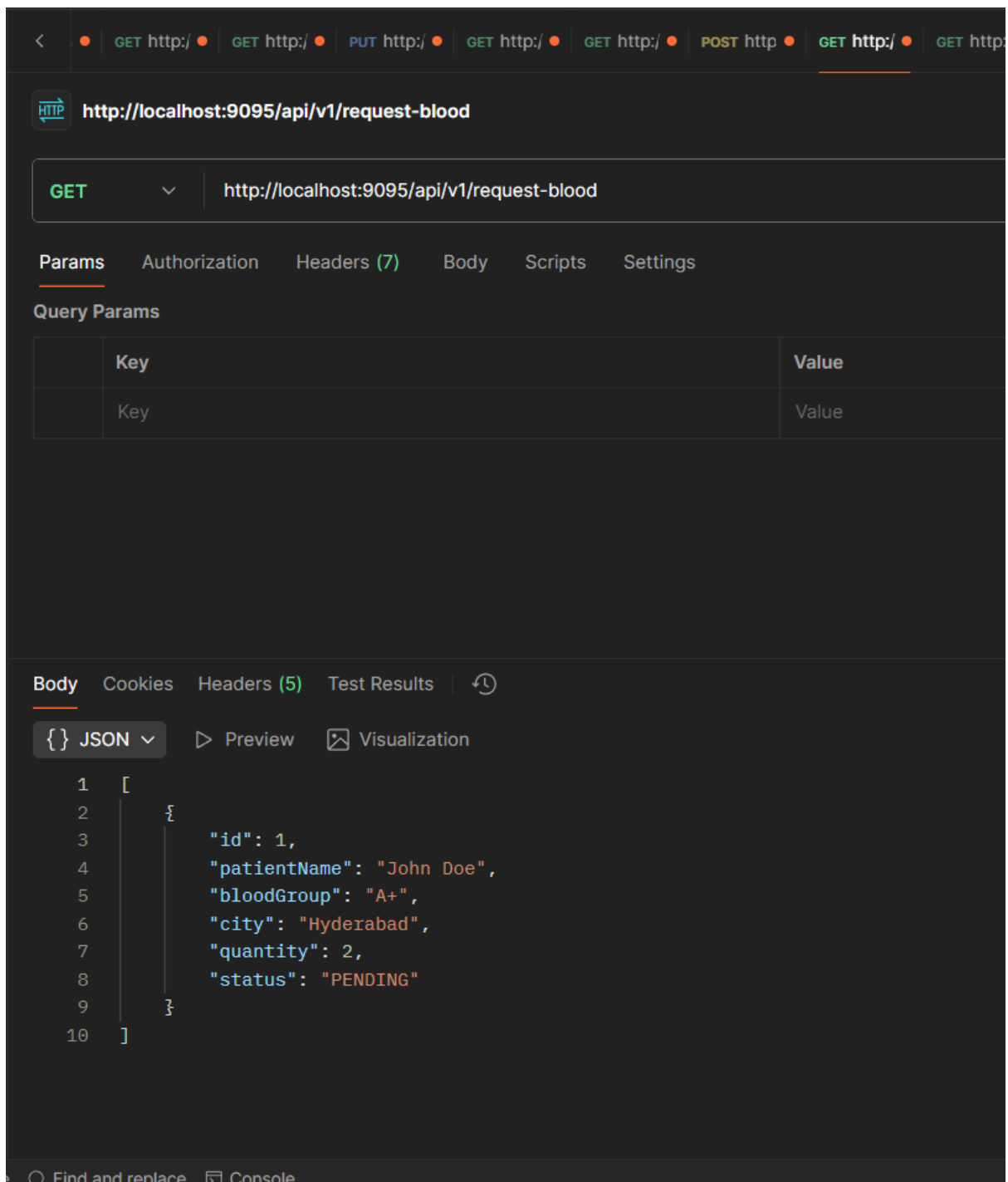


Figure 12 Getting RequestBlood

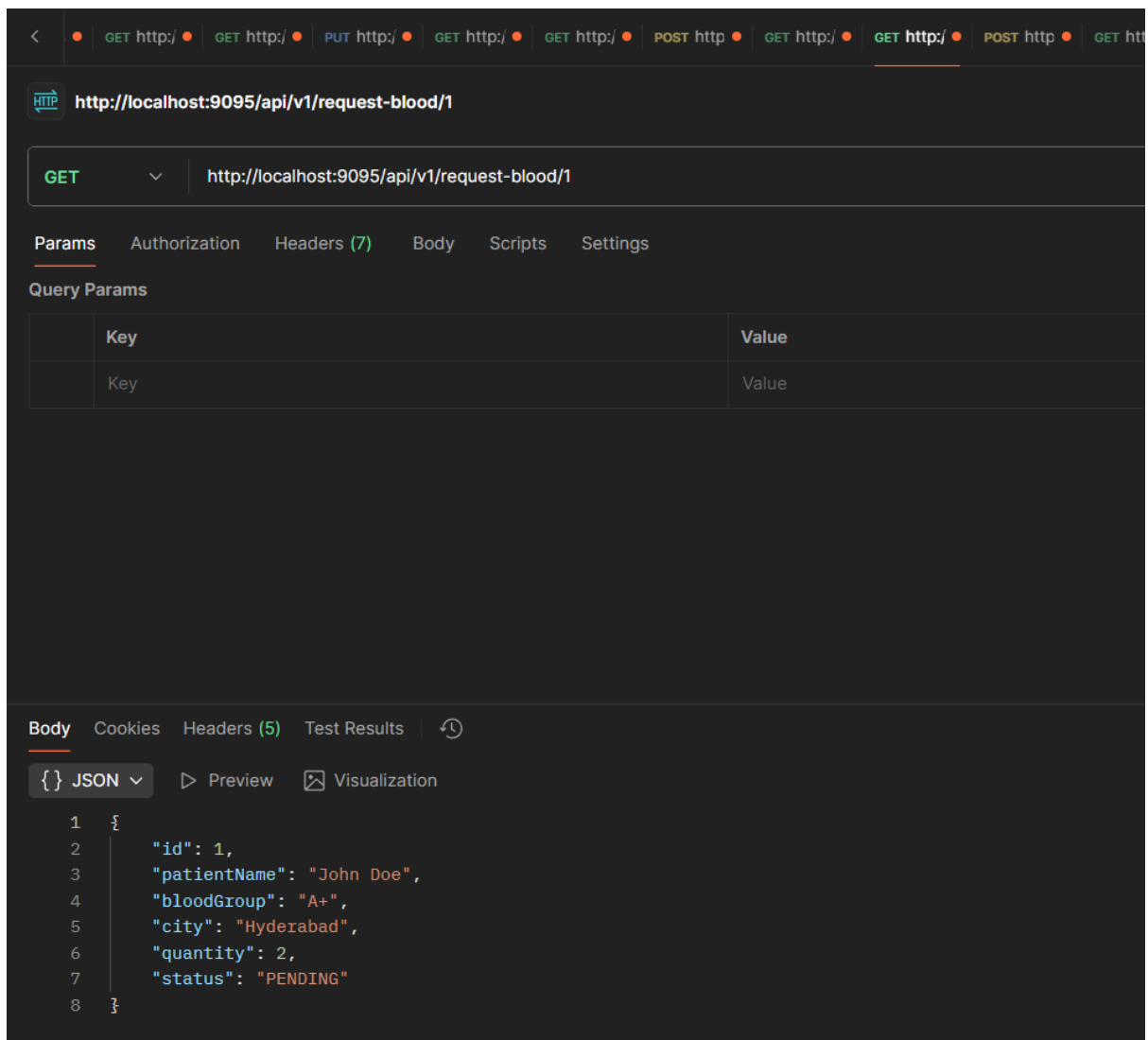
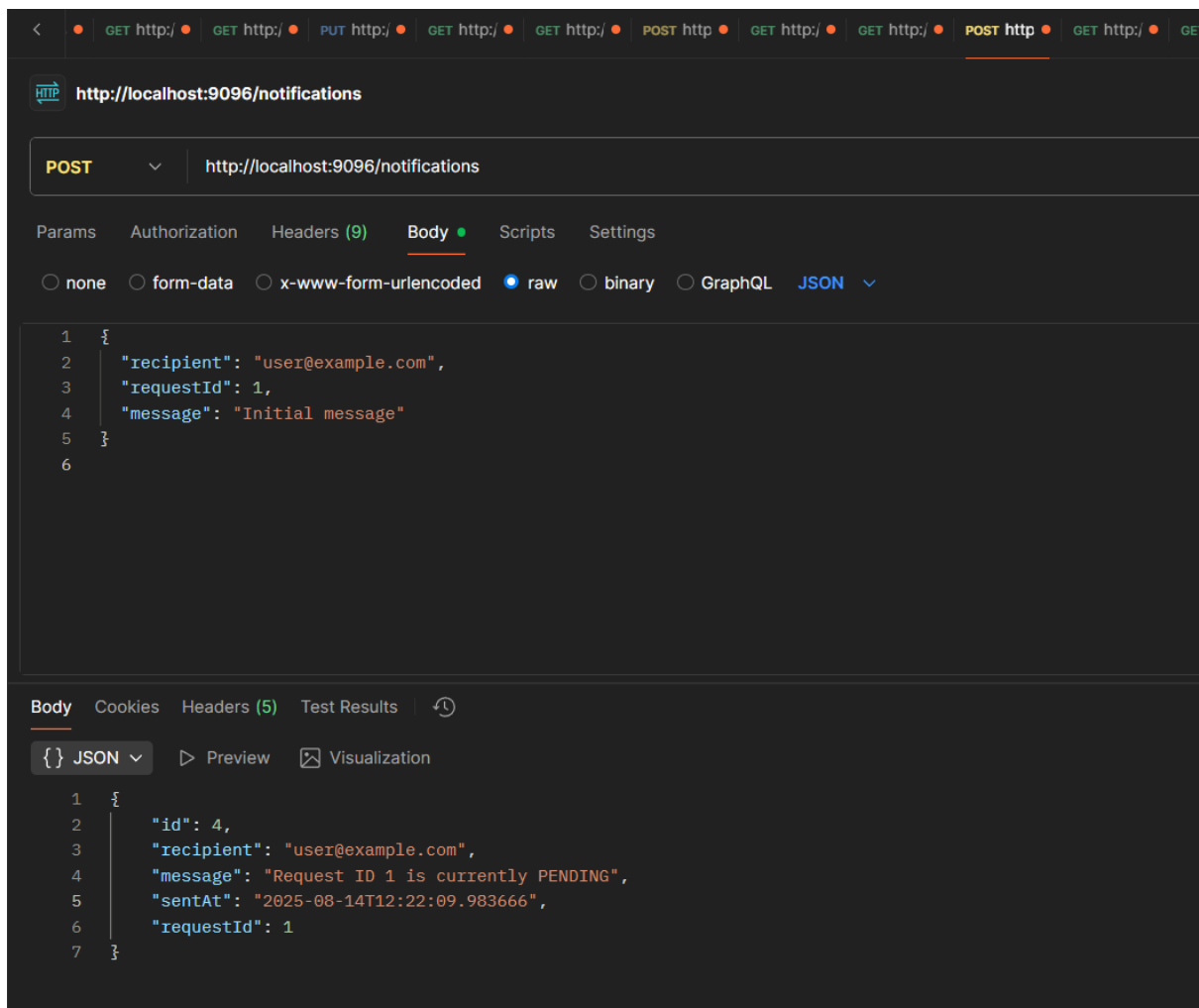


Figure 13Getting Request Blood By Id



*Figure 14*Creating Notifications

HTTP client interface showing a GET request to `http://localhost:9094/api/v1/blood/all`.

**Params** | Authorization | Headers (7) | Body | Scripts | Settings

Query Params

Key	Value
Key	Value

**Body** | Cookies | Headers (5) | Test Results | ↺

JSON | Preview | Visualization

```
1  [
2    {
3      "id": 1,
4      "bloodGroup": "A_POSITIVE",
5      "quantity": 5,
6      "status": "Used"
7    },
8    {
9      "id": 2,
10     "bloodGroup": "A_POSITIVE",
11     "quantity": 5,
12     "status": "Available"
13   }
14 ]
```

Figure 15 Getting Blood

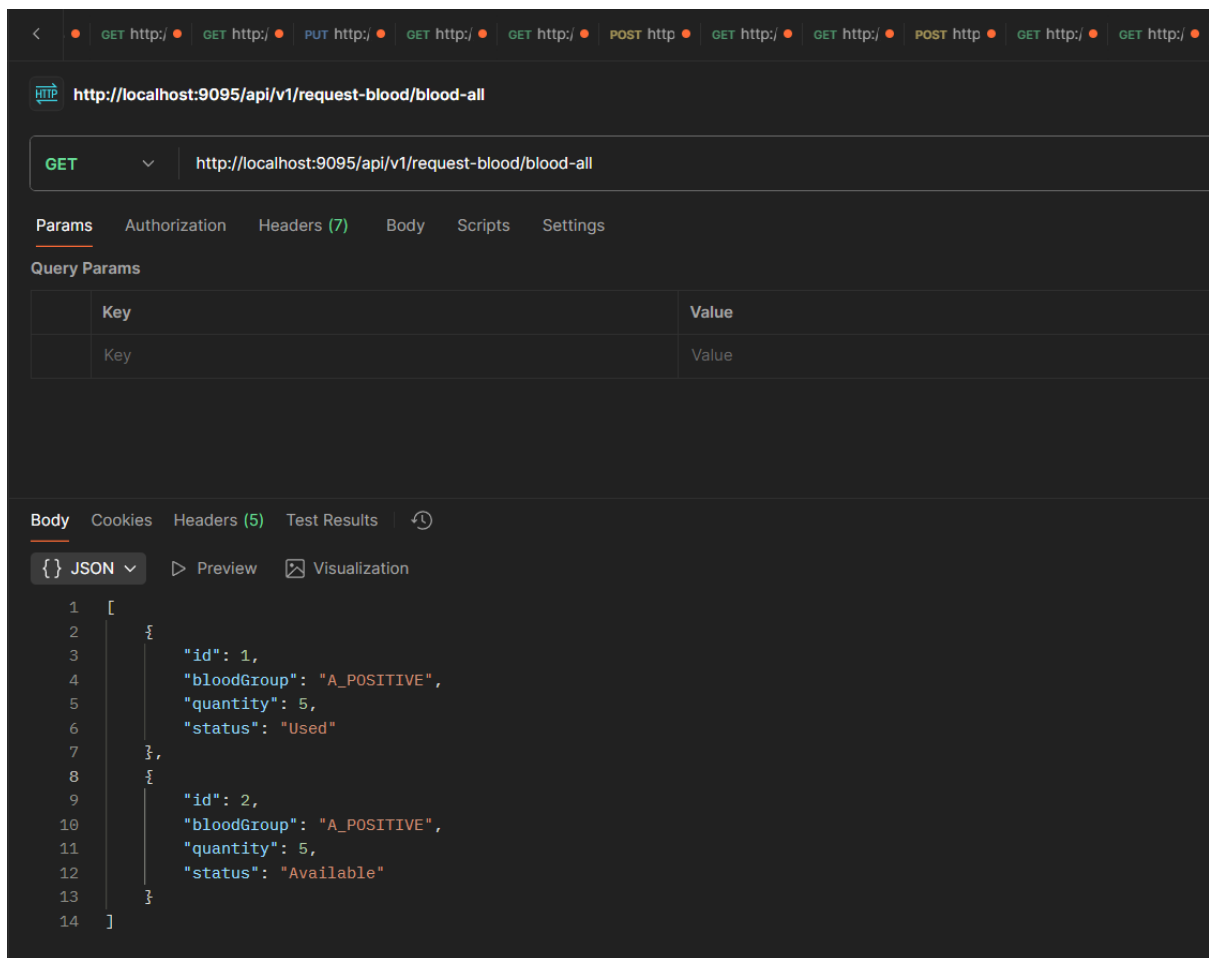


Figure 16 Linking RequestBlood with Blood and Getting Blood

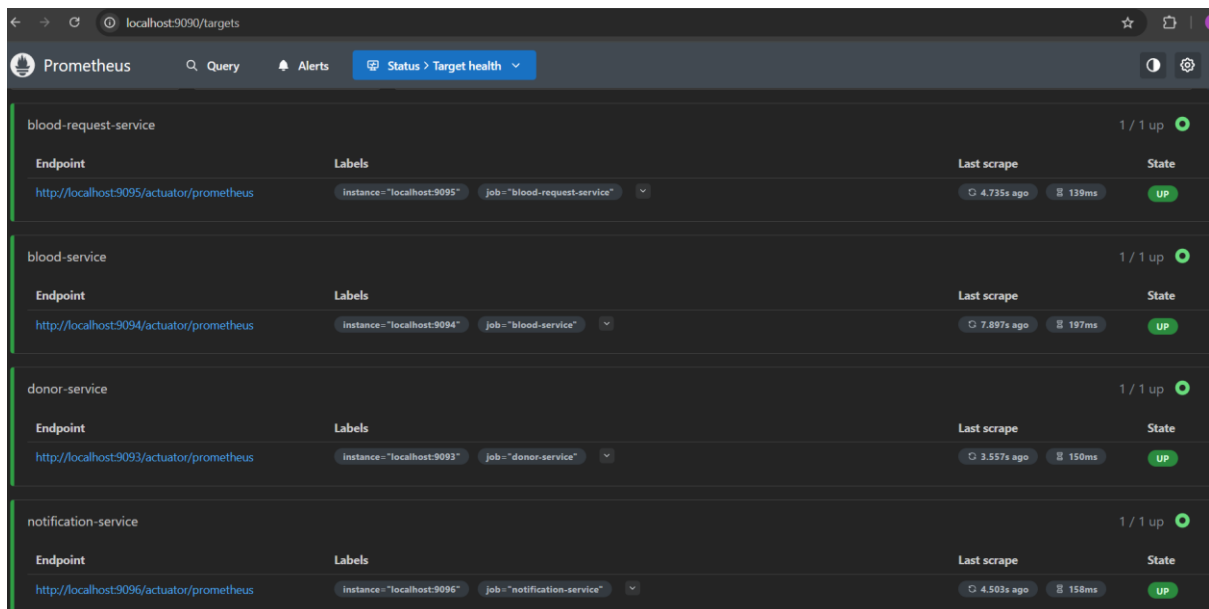


Figure 17 Prometheus

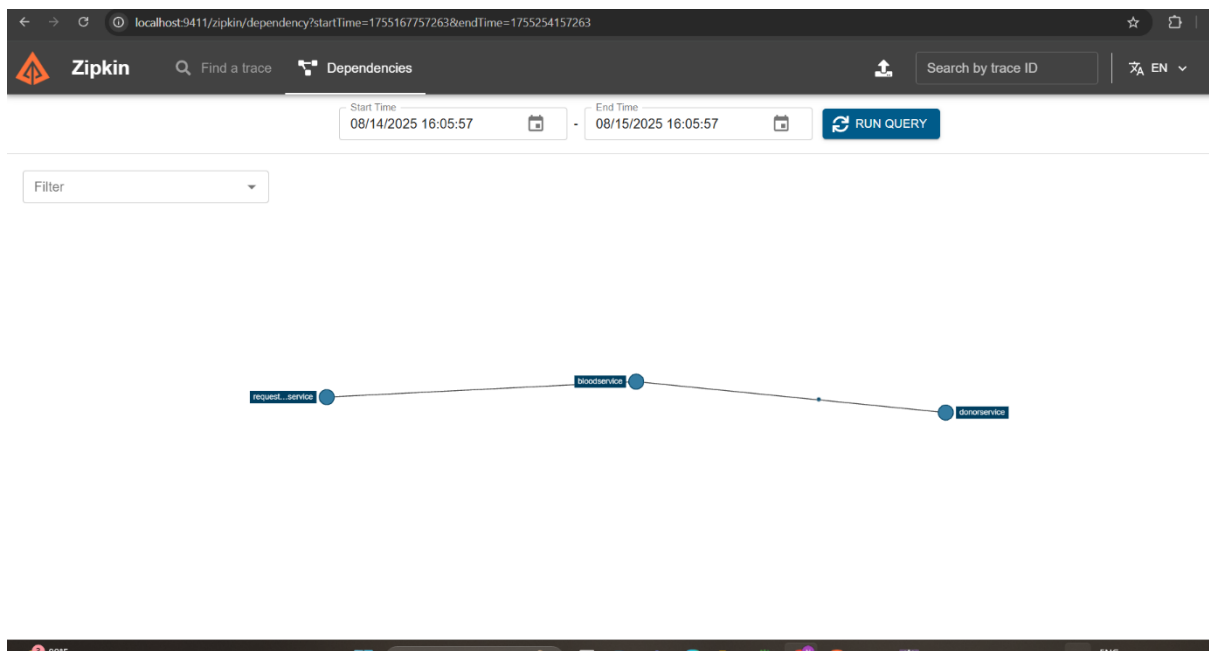


Figure 18 Zipkin

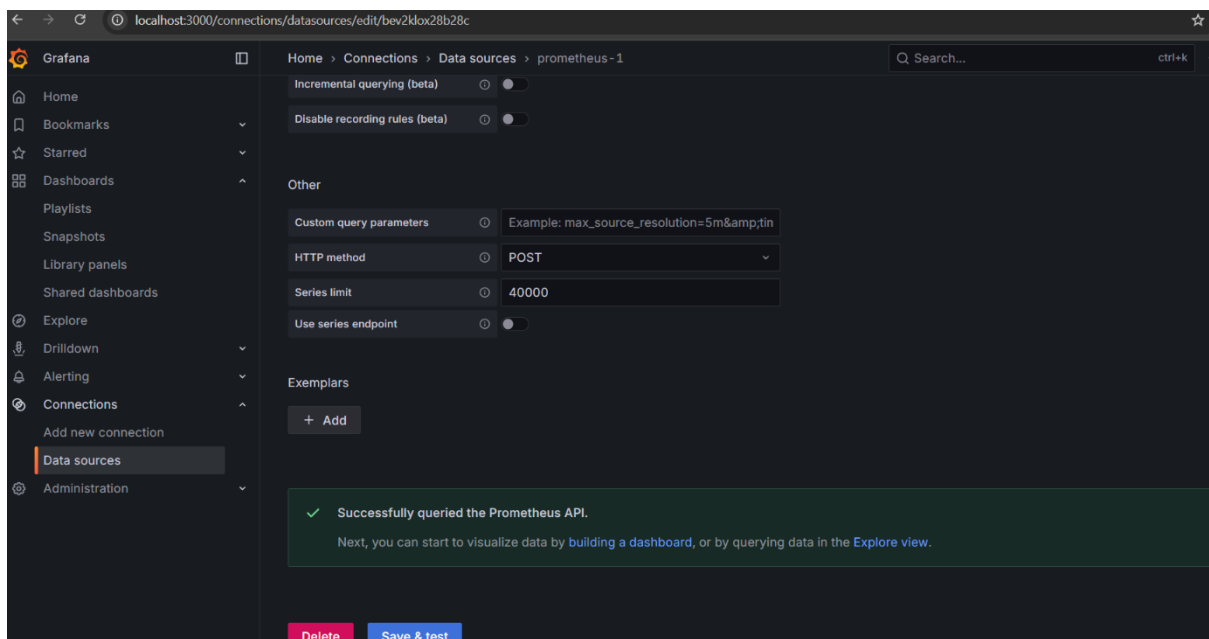


Figure 19 Grafana



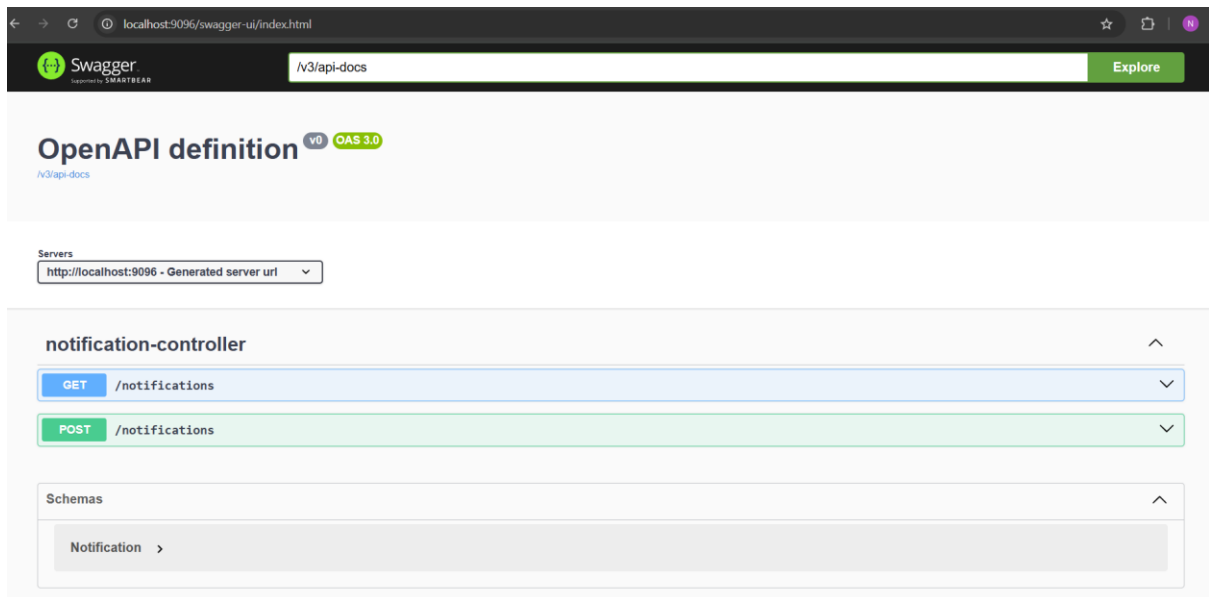


Figure 20 Swagger

DS Replicas			
Instances currently registered with Eureka			
Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - <a href="#">DESKTOP-M6GPA6L-API-GateWay:8765</a>
BLOODSERVICE	n/a (1)	(1)	UP (1) - <a href="#">DESKTOP-M6GPA6L-BloodService:9094</a>
CONFIGSERVER	n/a (1)	(1)	UP (1) - <a href="#">DESKTOP-M6GPA6L-ConfigServer:9091</a>
DONORSERVICE	n/a (1)	(1)	UP (1) - <a href="#">DESKTOP-M6GPA6L-DonorService:9093</a>
NOTIFICATIONSERVICE	n/a (1)	(1)	UP (1) - <a href="#">DESKTOP-M6GPA6L-NotificationService:9096</a>
REQUESTBLOODSERVICE	n/a (1)	(1)	UP (1) - <a href="#">DESKTOP-M6GPA6L-RequestBloodService:9095</a>
General Info			
Name	Value		
total-avail-memory	73mb		
num-of-cpus	8		
current-memory-usage	54mb (73%)		
server-uptime	00:07		
registered-replicas			

Figure 21 Eureka Server