

Utkarsh Agrawal

Swagger and Postman API calls screenshot

Create (POST /api/bloodbank): Add a new entry to the blood bank list. The input should include donor details, blood type, quantity, and collection/expiration dates.

The image displays two screenshots of API testing tools. The top screenshot is from Swagger UI, showing a POST request to /api/Product. The request body is a JSON object with donor details, blood type, quantity, and collection/expiration dates. The bottom screenshot is from Postman, showing the same request and a successful 201 response with a JSON body containing the created entry's details and headers.

Swagger UI Screenshot:

Method: POST
URL: /api/Product

Parameters: No parameters

Request body (application/json):

```
{  "donorName": "John Doe",  "age": 30,  "bloodType": "O+",  "contactInfo": "123-456-7890",  "quantity": 2,  "collectionDate": "2024-11-19T10:00:00",  "expirationDate": "2024-12-19T10:00:00",  "status": "Available"}
```

Execute

Postman Screenshot:

Request URL: https://localhost:7013/api/Product

Server response:

Code: 201
Details: Undocumented

Response body:

```
{  "id": 1,  "donorName": "John Doe",  "age": 30,  "bloodType": "O+",  "contactInfo": "123-456-7890",  "quantity": 2,  "collectionDate": "2024-11-19T10:00:00",  "expirationDate": "2024-12-19T10:00:00",  "status": "Available"}
```

Response headers:

```
content-type: application/json; charset=utf-8
date: Wed, 20 Nov 2024 12:21:18 GMT
location: https://localhost:7013/api/Product?id=1
server: Kestrel
```

https://localhost:7013/api/Product

SaveShare

POSThttps://localhost:7013/api/Product

Send

ParamsAuthorizationHeaders (8)BodyScriptsSettings

noneform-datax-www-form-urlencodedrawbinaryGraphQLJSON

Beautify

```
1  {}
2    {
3      "donorName": "Jane Smith",
4      "age": 25,
5      "bloodType": "A+",
6      "contactInfo": "987-654-3210",
7      "quantity": 1,
8      "collectionDate": "2024-11-18T15:00:00",
9      "expirationDate": "2024-12-18T15:00:00",
10     "status": "Available"
11   }
```

BodyCookiesHeaders (5)Test Results

201 Created • 47 ms • 404 B • Save Response

PrettyRawPreviewVisualizeJSON

```
1  {}
2    {
3      "id": 2,
4      "donorName": "Jane Smith",
5      "age": 25,
6      "bloodType": "A+",
7      "contactInfo": "987-654-3210",
8      "quantity": 1,
9      "collectionDate": "2024-11-18T15:00:00",
10     "expirationDate": "2024-12-18T15:00:00",
11     "status": "Available"
12   }
```

Read (GET /api/bloodbank): Retrieve all entries in the blood bank list.

GET

/api/Product

Parameters

Cancel

No parameters

Execute

Clear

Responses

Curl

curl -X 'GET' \n'https://localhost:7013/api/Product' \n-H 'accept: */*'

Request URL

https://localhost:7013/api/Product

Server response

CodeDetails

Server response

CodeDetails

200

Response body

```
{\n  \"id\": 1,\n  \"donorName\": \"Jane Smith\",\n  \"age\": 25,\n  \"bloodType\": \"A+\",\n  \"contactInfo\": \"987-654-3210\",\n  \"quantity\": 1,\n  \"collectionDate\": \"2024-11-18T15:00:00\",\n  \"expirationDate\": \"2024-12-18T15:00:00\",\n  \"status\": \"Available\"\n},\n{\n  \"id\": 2,\n  \"donorName\": \"Robert Johnson\",\n  \"age\": 35,\n  \"bloodType\": \"B+\",\n  \"contactInfo\": \"555-123-4567\",\n  \"quantity\": 3,\n  \"collectionDate\": \"2024-11-17T12:00:00\",\n  \"expirationDate\": \"2024-12-17T12:00:00\",\n  \"status\": \"Used\"\n}\n}
```

Response headers

```
content-type: application/json; charset=utf-8\ndate: Wed, 20 Nov 2024 12:30:48 GMT\nserver: Kestrel
```

Responses

https://localhost:7013/api/Product

Save

Share

GET

https://localhost:7013/api/Product

Send

Params

Authorization

Headers (8)

Body

Scripts

Settings

Cookies

Body

Cookies

Headers (4)

Test Results

200 OK

44 ms

550 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

1

2

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Postbot

Ctrl

Alt

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Read (GET /api/bloodbank/{id}): Retrieve a specific blood entry by its Id.

GET /api/Product/{id}

Parameters

Cancel

Name	Description
id ★ required	
integer(\$int32)	2
(path)	

Execute

Clear

Responses

Curl

curl -X 'GET' \n'https://localhost:7013/api/Product/2' \n-H 'accept: */*'

Request URL

https://localhost:7013/api/Product/2

Server response

Code

Details

Request URL

https://localhost:7013/api/Product/2

Server response

Code

Details

200

Response body

```
{\n  "id": 2,\n  "donorName": "Robert Johnson",\n  "age": 35,\n  "bloodType": "B+",\n  "contactInfo": "555-123-4567",\n  "quantity": 5,\n  "collectionDate": "2024-11-17T12:00:00",\n  "expirationDate": "2024-12-17T12:00:00",\n  "status": "Used"\n}
```


Download

Response headers

```
content-type: application/json; charset=utf-8\ndate: Wed, 20 Nov 2024 12:32:00 GMT\nserver: Kestrel
```

Responses

Code	Description	Links
200	Success	No links

 <https://localhost:7013/api/Product/2>

GET

https://localhost:7013/api/Product/2

Send

ParamsAuthorizationHeaders (8)BodyScriptsSettings

Cookies

BodyCookiesHeaders (4)Test Results

200 OK • 35 ms • 347 B

Save Response

PrettyRawPreviewVisualizeJSON

```
1  {}
2    "id": 2,
3    "donorName": "Robert Johnson",
4    "age": 35,
5    "bloodType": "B+",
6    "contactInfo": "555-123-4567",
7    "quantity": 3,
8    "collectionDate": "2024-11-17T12:00:00",
9    "expirationDate": "2024-12-17T12:00:00",
10   "status": "Used"
11 }
```

Delete (DELETE /api/bloodbank/{id}): Remove an entry from the list based on its Id.

DELETE /api/Product/{id}

Parameters

Cancel

Name	Description
id <small>required</small>	
integer(\$int32)	3
(path)	

Execute

Clear

Responses

Curl

curl -X 'DELETE' \n'https://localhost:7013/api/Product/3' \n-H 'accept: */*'

Request URL

https://localhost:7013/api/Product/3

Server response

Code

Details

200


Response body

```
{
  "collectionDate": "2024-11-18T12:00:00",
  "expirationDate": "2024-12-18T15:00:00",
  "status": "Available"
},
{
  "id": 2,
  "donorName": "Robert Johnson",
  "age": 35,
  "bloodType": "B+",
  "contactInfo": "555-123-4567",
  "quantity": 1,
  "collectionDate": "2024-11-17T12:00:00",
  "expirationDate": "2024-12-17T12:00:00",
  "status": "Used"
},
{
  "id": 1,
  "donorName": "Michael Brown",
  "age": 40,
  "bloodType": "AB+",
  "contactInfo": "333-555-6789",
  "quantity": 1,
  "collectionDate": "2024-11-20T11:00:00",
  "expirationDate": "2024-12-20T11:00:00",
  "status": "Reserved"
},
{
  "id": 3,
  "donorName": "Sarah Wilson",
```

Download

Response headers

content-type: application/json; charset=utf-8
date: Wed, 20 Nov 2024 12:41:56 GMT
server: Kestrel

 <https://localhost:7013/api/Product/4>

DELETE

[Save](#) [Share](#)

https://localhost:7013/api/Product/4

Send

Params

Authorization

Headers (8)

Body

Scripts

Settings

Cookies

Body

Cookies

Headers (4)

Test Results

200 OK

29 ms

1.72 KB

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
11  {
12    },
13    {
14      "id": 2,
15      "donorName": "Robert Johnson",
16      "age": 35,
17      "bloodType": "B+",
18      "contactInfo": "555-123-4567",
19      "quantity": 3,
20      "collectionDate": "2024-11-17T12:00:00",
21      "expirationDate": "2024-12-17T12:00:00",
22      "status": "Used"
23    },
24    {
25      "id": 5,
26      "donorName": "Sarah Wilson",
27      "age": 22,
28      "bloodType": "A-",
29      "contactInfo": "666-888-1234",
30      "quantity": 2,
31      "collectionDate": "2024-11-15T14:00:00",
32      "expirationDate": "2024-12-15T14:00:00",
33      "status": "Available"
34    },
35    {
36      "id": 6,
37      "donorName": "Chris Taylor",
```

Update (PUT /api/bloodbank/{id}): Update an existing entry (e.g., modify donor details or update blood status).

PUT

/api/Product/{id}

Parameters

Cancel

Reset

Name	Description
id required	
integer(\$int32)	6
(path)	

Request body

application/json

```
{
  "donorName": "manioeg",
  "age": 38,
  "bloodType": "",
  "contactInfo": "",
  "quantity": 36,
  "collectionDate": "2024-11-23T15:00:00",
  "expirationDate": "2024-12-23T15:00:00",
  "status": "Used"
}
```

Execute

Clear

Curl

```
curl -X 'PUT' \
  'https://localhost:7013/api/Product/6' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -d '{
    "donorName": "manioeg",
    "age": 38,
    "bloodType": "",
    "contactInfo": "",
    "quantity": 36,
    "collectionDate": "2024-11-23T15:00:00",
    "expirationDate": "2024-12-23T15:00:00",
    "status": "Used"
  }'
```

Request URL

https://localhost:7013/api/Product/6

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{ "id": 6, "donorName": "manioeg", "age": 38, "bloodType": "B-", "contactInfo": "777-222-9876", "quantity": 36, "collectionDate": "2024-11-23T15:00:00", "expirationDate": "2024-12-23T15:00:00", "status": "Used" }</pre></div><div><div>Download</div></div></div> <div><div>Response headers</div><div><pre>content-type: application/json; charset=utf-8 date: Wed, 20 Nov 2024 12:55:38 GMT server: Kestrel</pre></div></div>

Responses

Code	Description	Links
200	Success	No links

https://localhost:7013/api/Product/6

SaveShare

PUThttps://localhost:7013/api/Product/6

Send

ParamsAuthorizationHeaders (8)BodyScriptsSettings

cookies

noneform-datax-www-form-urlencodedrawbinaryGraphQLJSON

Beautify

```
1 {
2   "donorName": "updatedname",
3   "age": 88,
4   "bloodType": "B-",
5   "contactInfo": "777-222-9876",
6   "quantity": 65,
7   "collectionDate": "2024-11-23T15:00:00",
8   "expirationDate": "2024-12-23T15:00:00",
9   "status": "Used"
10 }
```

BodyCookiesHeaders (4)Test Results

200 OK50 ms345 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "id": 6,
3   "donorName": "updatedname",
4   "age": 88,
5   "bloodType": "B-",
6   "contactInfo": "777-222-9876",
7   "quantity": 65,
8   "collectionDate": "2024-11-23T15:00:00",
9   "expirationDate": "2024-12-23T15:00:00",
10  "status": "Used"
11 }
```

Pagination

GET

/api/Product/paginated

Cancel

Parameters

Name	Description
page	
integer(\$int32)	3
(query)	
Size	
integer(\$int32)	3
(query)	

ExecuteClear

Responses

Curl

curl -X 'GET' \n 'https://localhost:7013/api/Product/paginated?page=3&size=3' \n -H 'accept: */*'

Request URL

https://localhost:7013/api/Product/paginated?page=3&size=3

Server response

Responses

Curl

curl -X 'GET' \n 'https://localhost:7013/api/Product/paginated?page=3&size=3' \n -H 'accept: */*'

Request URL

https://localhost:7013/api/Product/paginated?page=3&size=3

Server response

Code

Details

200

Response body

```
{
  "totalProducts": 10,
  "totalPages": 4,
  "currentPage": 3,
  "pageSize": 3,
  "data": [
    {
      "id": 7,
      "donorName": "Anna White",
      "age": 20,
      "bloodType": "O+",
      "contactInfo": "888-333-6547",
      "quantity": 2,
      "collectionDate": "2024-11-21T10:30:00",
      "expirationDate": "2024-12-21T10:30:00",
      "status": "Available"
    },
    {
      "id": 8,
      "donorName": "David Hall",
      "age": 34,
      "bloodType": "AB-",
      "contactInfo": "999-444-8765",
      "quantity": 3,
      "collectionDate": "2024-11-14T13:00:00",
      "expirationDate": "2024-12-14T13:00:00",
      "status": "Available"
    }
  ]
}
```

Download

Response headers

```
content-type: application/json; charset=utf-8
date: Wed, 20 Nov 2024 13:04:54 GMT
server: Kestrel
```

Responses

OverviewGetting startedGET https://localhost:7013/a

https://localhost:7013/api/Product/paginated?page=2&size=4SaveShare

GEThttps://localhost:7013/api/Product/paginated?page=2&size=4Send

ParamsAuthorizationHeaders (8)BodyScriptsSettingsCookies

BodyCookiesHeaders (4)Test Results200 OK53 ms1 KBSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "totalProducts": 10,
3   "totalPages": 3,
4   "currentPage": 2,
5   "pageSize": 4,
6   "data": [
7     {
8       "id": 5,
9       "donorName": "Sarah Wilson",
10      "age": 22,
11      "bloodType": "A-",
12      "contactInfo": "666-888-1234",
13      "quantity": 2,
14      "collectionDate": "2024-11-15T14:00:00",
15      "expirationDate": "2024-12-15T14:00:00",
16      "status": "Available"
17    },
18    {
19      "id": 6,
20      "donorName": "Chris Taylor",
21      "age": 31,
22      "bloodType": "B-",
23      "contactInfo": "777-222-9876",
24      "quantity": 1,
25      "collectionDate": "2024-11-19T08:00:00",
26      "expirationDate": "2024-12-19T08:00:00",
27      "status": "Used"
28    }
29  ]
30 }
```

Search Functionality

By bloodtype

GET

/api/Product/search

Parameters

Cancel

Name	Description
bloodType string (query)	<input type="text" value="A+"/>
status string (query)	<input type="text" value="status"/>
donorName string (query)	<input type="text" value="donorName"/>

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
'https://localhost:7013/api/Product/search?bloodType=AK2B' \
-H 'accept: */*'
```

Request URL

```
https://localhost:7013/api/Product/search?bloodType=AK2B
```

Server response


Code	Details
200	<div><div>Response body</div><div><pre>{ "id": 1, "donorName": "Jane Smith", "age": 25, "bloodtype": "A+", "contactInfo": "987-654-3210", "quantity": 1, "collectionDate": "2024-11-18T15:00:00", "expirationDate": "2024-12-18T15:00:00", "status": "Available" }, { "id": 10, "donorName": "James Martin", "age": 38, "bloodtype": "A+", "contactInfo": "222-666-4321", "quantity": 2, "collectionDate": "2024-11-23T16:00:00", "expirationDate": "2024-12-23T16:00:00", "status": "Available" }]</pre></div><div><div>Download</div></div></div>

Response headers

```
content-type: application/json; charset=utf-8
date: Wed, 20 Nov 2024 13:35:27 GMT
server: Kestrel
```

Responses

Code	Description	Links
200	Success	No links

 <https://localhost:7013/api/Product/search?bloodType=A%2B>

GET

https://localhost:7013/api/Product/search?bloodType=A%2B

Send

Params

Authorization

Headers (8)

Body

Scripts

Settings

Cookies

Body

Cookies


Headers (4)

Test Results


200 OK

17 ms

554 B



Save Response



Pretty

Raw

Preview

Visualize

JSON

1

[

2

{

3

"id": 1,

4

"donorName": "Jane Smith",

5

"age": 25,

6

"bloodType": "A+",

7

"contactInfo": "987-654-3210",

8

"quantity": 1,

9

"collectionDate": "2024-11-18T15:00:00",

10

"expirationDate": "2024-12-18T15:00:00",

11

"status": "Available"

12

},

13

{

14

"id": 10,

15

"donorName": "James Martin",

16

"age": 38,

17

"bloodType": "A+",

18

"contactInfo": "222-666-4321",

19

"quantity": 2,

20

"collectionDate": "2024-11-23T16:00:00",

21

"expirationDate": "2024-12-23T16:00:00",

22

"status": "Available"

23

}

24

]

By Status

GET /api/Product/search

Parameters

Cancel

Name	Description
bloodType	
string (query)	<input type="text" value="bloodType"/>
status	
string (query)	<input type="text" value="Used"/>
donorName	
string (query)	<input type="text" value="donorName"/>

Execute

Clear

Responses

Curl

```
curl -X 'GET' \
```

Curl

```
curl -X 'GET' \
'https://localhost:7013/api/Product/search?status=Used' \
-H 'accept: */*'
```

Request URL

```
https://localhost:7013/api/Product/search?status=Used
```

Server response

Code	Details
200	<div><div>Response body</div><div><pre>{ "id": 0, "donorName": "Robert Johnson", "age": 35, "bloodType": "B+", "contactInfo": "555-123-4567", "quantity": 3, "collectionDate": "2024-11-17T12:00:00", "expirationDate": "2024-12-17T12:00:00", "status": "Used" }, { "id": 6, "donorName": "Chris Taylor", "age": 38, "bloodType": "B-", "contactInfo": "777-222-9876", "quantity": 1, "collectionDate": "2024-11-19T08:00:00", "expirationDate": "2024-12-19T08:00:00", "status": "Used" }]</pre></div><div><div>Download</div></div></div>

Response headers

```
content-type: application/json; charset=utf-8
date: Wed, 20 Nov 2024 13:36:47 GMT
server: Kestrel
```

Responses

Code	Description	Link
------	-------------	------

OverviewGetting startedGET https://localhost:7013/a

https://localhost:7013/api/Product/search?status=UsedSaveShare

GEThttps://localhost:7013/api/Product/search?status=UsedSend

ParamsAuthorizationHeaders (8)BodyScriptsSettingsCookies

BodyCookiesHeaders (4)Test Results200 OK59 ms547 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 [
2   {
3     "id": 2,
4     "donorName": "Robert Johnson",
5     "age": 35,
6     "bloodType": "B+",
7     "contactInfo": "555-123-4567",
8     "quantity": 3,
9     "collectionDate": "2024-11-17T12:00:00",
10    "expirationDate": "2024-12-17T12:00:00",
11    "status": "Used"
12  },
13  {
14    "id": 6,
15    "donorName": "Chris Taylor",
16    "age": 31,
17    "bloodType": "B-",
18    "contactInfo": "777-222-9876",
19    "quantity": 1,
20    "collectionDate": "2024-11-19T08:00:00",
21    "expirationDate": "2024-12-19T08:00:00",
22    "status": "Used"
23  }
24 ]
```

PostbotCtrl Alt P

By donor name

GET /api/Product/search

Parameters

Cancel

Name	Description
bloodType	
string (query)	<input type="text" value="bloodType"/>
status	
string (query)	<input type="text" value="status"/>
donorName	
string (query)	<input type="text" value="Chris Taylor"/>

Execute

Clear

Responses

Curl

Responses

Curl

```
curl -X 'GET' \
  'https://localhost:7013/api/Product/search?donorName=Chris%20Taylor' \
  -H 'accept: */*'
```

Request URL

```
https://localhost:7013/api/Product/search?donorName=Chris%20Taylor
```

Server response

Code	Details
200	<div><div>Response body</div><div><pre>[{ "id": 6, "donorName": "Chris Taylor", "age": 31, "bloodType": "B-", "contactInfo": "777-222-9876", "quantity": 1, "collectionDate": "2024-11-19T08:00:00", "expirationDate": "2024-12-19T08:00:00", "status": "Used" }]</pre></div><div><div>Download</div></div></div> <div><div>Response headers</div><div><pre>content-type: application/json; charset=utf-8 date: Wed, 20 Nov 2024 13:38:56 GMT server: Kestrel</pre></div></div>

Responses

Code	Description	Links
200	Success	No links

https://localhost:7013/api/Product/search?donorName=Chris%20Taylor

Save

Share

GET

https://localhost:7013/api/Product/search?donorName=Chris%20Taylor

Send

Params

Authorization

Headers (8)

Body

Scripts

Settings

Cookies

Body

Cookies

Headers (4)

Test Results

200 OK

66 ms

347 B

Save Response

Pretty

Raw

Preview

Visualize

JSON

```
1  [
2    {
3      "id": 6,
4      "donorName": "Chris Taylor",
5      "age": 31,
6      "bloodType": "B-",
7      "contactInfo": "777-222-9876",
8      "quantity": 1,
9      "collectionDate": "2024-11-19T08:00:00",
10     "expirationDate": "2024-12-19T08:00:00",
11     "status": "Used"
12   }
13 ]
```

Filtering

GET /api/Product/search

Parameters

Cancel

Name	Description
bloodType string <small>(query)</small>	<input type="text" value="A+"/>
status string <small>(query)</small>	<input type="text" value="Available"/>
donorName string <small>(query)</small>	<input type="text" value="donorName"/>

Execute

Clear

Responses

```
curl -X 'GET' \
  'https://localhost:7013/api/Product/search?bloodType=AK2B&status=Available' \
  -H 'accept: */*'
```

Request URL


https://localhost:7013/api/Product/search?bloodType=AK2B&status=Available

Server response

Code	Details
200	<div><div>Response body</div><div><pre>[{ "id": 1, "donorName": "Jane Smith", "age": 25, "bloodType": "A+", "contactInfo": "987-654-3210", "quantity": 1, "collectionDate": "2024-11-18T15:00:00", "expirationDate": "2024-12-18T15:00:00", "status": "Available" }, { "id": 10, "donorName": "James Martin", "age": 35, "bloodType": "A+", "contactInfo": "222-666-4321", "quantity": 2, "collectionDate": "2024-11-23T16:00:00", "expirationDate": "2024-12-23T16:00:00", "status": "Available" }]</pre></div><div><div>Download</div></div></div> <div><div>Response headers</div><div><pre>content-type: application/json; charset=utf-8 date: Wed, 20 Nov 2024 13:40:34 GMT server: Kestrel</pre></div></div>

Responses

Code	Description	Links
200	Success	No links

 <https://localhost:7013/api/Product/search?bloodType=A%2B&status=Available>


GET

<https://localhost:7013/api/Product/search?bloodType=A%2B&status=Available>

Send

Params • Authorization Headers (8) Body • Scripts Settings

Body Cookies Headers (4) Test Results

200 OK • 27 ms • 554 B •  Save Response

Pretty Raw Preview Visualize JSON

```
1  [
2    {
3      "id": 1,
4      "donorName": "Jane Smith",
5      "age": 25,
6      "bloodType": "A+",
7      "contactInfo": "987-654-3210",
8      "quantity": 1,
9      "collectionDate": "2024-11-18T15:00:00",
10     "expirationDate": "2024-12-18T15:00:00",
11     "status": "Available"
12   },
13   {
14     "id": 10,
15     "donorName": "James Martin",
16     "age": 30,
17     "bloodType": "A+",
18     "contactInfo": "222-666-4321",
19     "quantity": 2,
20     "collectionDate": "2024-11-23T16:00:00",
21     "expirationDate": "2024-12-23T16:00:00",
22     "status": "Available"
23   }
24 ]
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