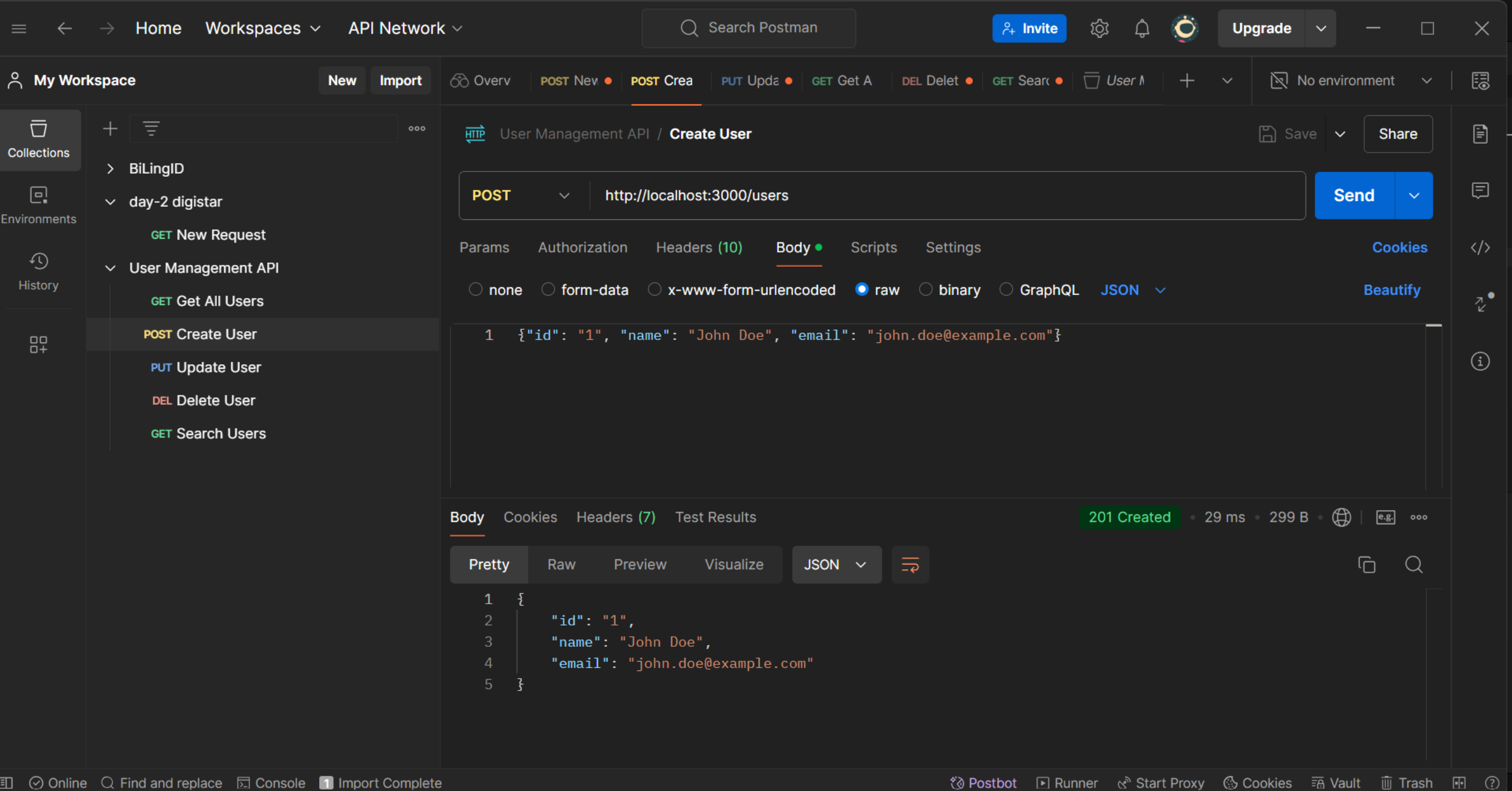
```
// Server setting
const express = require("express");
const bodyParser = require("body-parser");
const app = express();
const PORT = 3000;

let users = [];
app.use(bodyParser.json());

// Start server
app.listen(PORT, () => {
  console.log(`Server running on port ${PORT}`);
});

// GET endpoint to retrieve all users
app.get("/users", (req, res) => {
  res.json(users);
});

// POST endpoint to create a new user with unique id
app.post("/users", (req, res) => {
  const user = req.body;
  const existingUser = users.find((u) => u.id === user.id);

  if (existingUser) {
    return res
      .status(400)
      .json({ message: "User with this ID already exists" });
  }

  users.push(user);
  res.status(201).json(user);
});

// PUT endpoint to update an existing user by ID
app.put("/users/:id", (req, res) => {
  const { id } = req.params;
  const user = req.body;
  users = users.map((u) => (u.id === id ? user : u));
  res.json(user);
});

// DELETE endpoint to remove a user by ID
app.delete("/users/:id", (req, res) => {
  const { id } = req.params;
  users = users.filter((u) => u.id !== id);
  res.status(204).end();
});

// GET endpoint to search for users by name
app.get("/users/search", (req, res) => {
  const { name } = req.query;
  if (!name) {
    return res
      .status(400)
      .send({ message: "Name query parameter is required" });
  }

  const filteredUsers = users.filter((u) =>
    u.name.toLowerCase().includes(name.toLowerCase())
  );

  res.json(filteredUsers);
});

```

```
PS C:\Users\User\Downloads\nodejs\api> node server.js
Server running on port 3000
```


Home
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GET New Request
User Management API
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GET Search Users
User Management API / Create User
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Headers (10)
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Scripts
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
1 {"id": "1", "name": "John Doe", "email": "john.doe@example.com"}
Body
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Headers (7)
Test Results
201 Created
29 ms
299 B
Pretty
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Preview
Visualize
JSON
1 {
2 "id": "1",
3 "name": "John Doe",
4 "email": "john.doe@example.com"
5 }
Online
Find and replace
Console
Import Complete
Postbot
Runner
Start Proxy
Cookies
Vault
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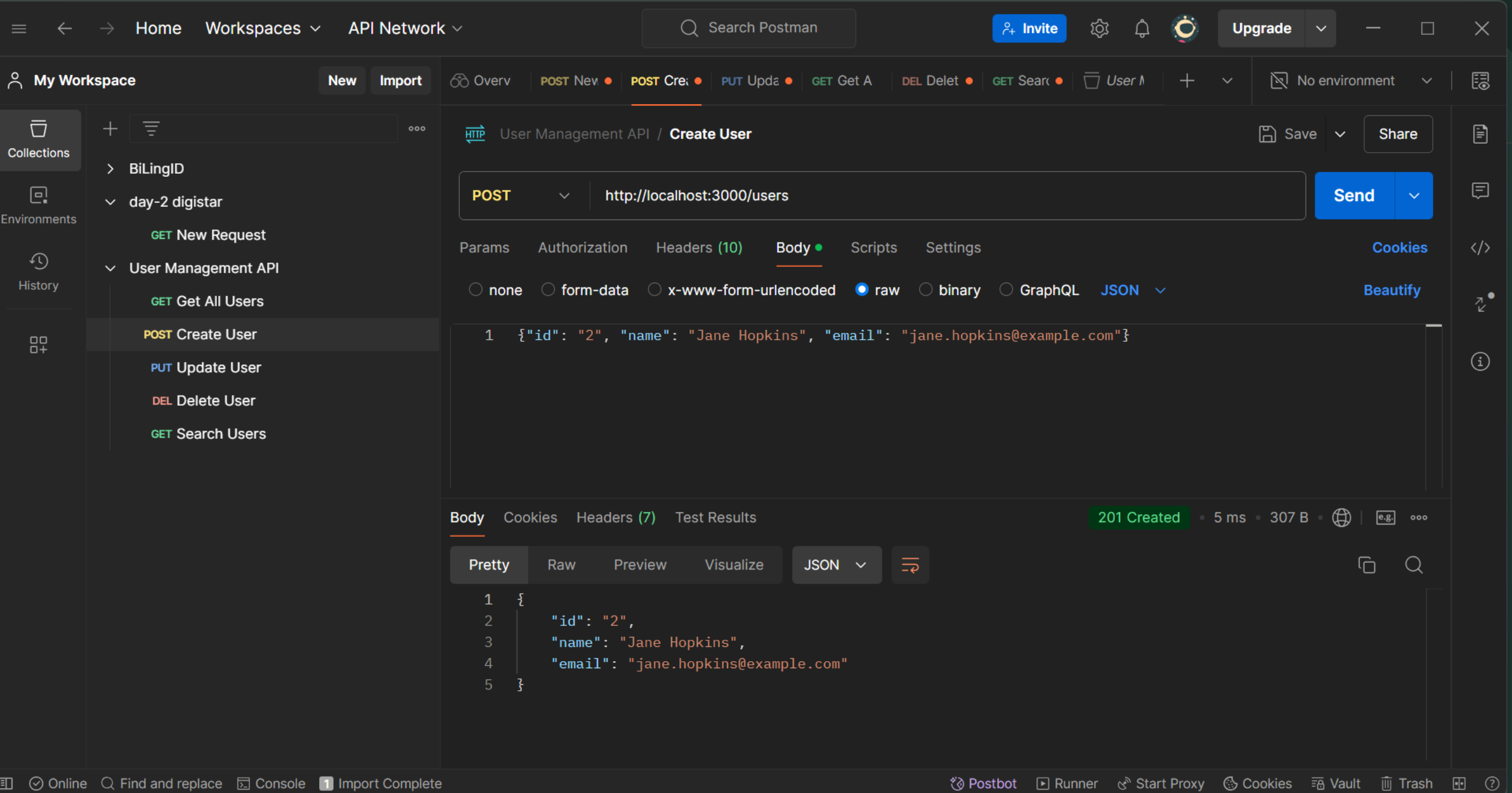
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binary
GraphQL
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Beautify
{"id": "2", "name": "Jane Hopkins", "email": "jane.hopkins@example.com"}
Body
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Headers (7)
Test Results
201 Created
5 ms
307 B
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{
"id": "2",
"name": "Jane Hopkins",
"email": "jane.hopkins@example.com"
}
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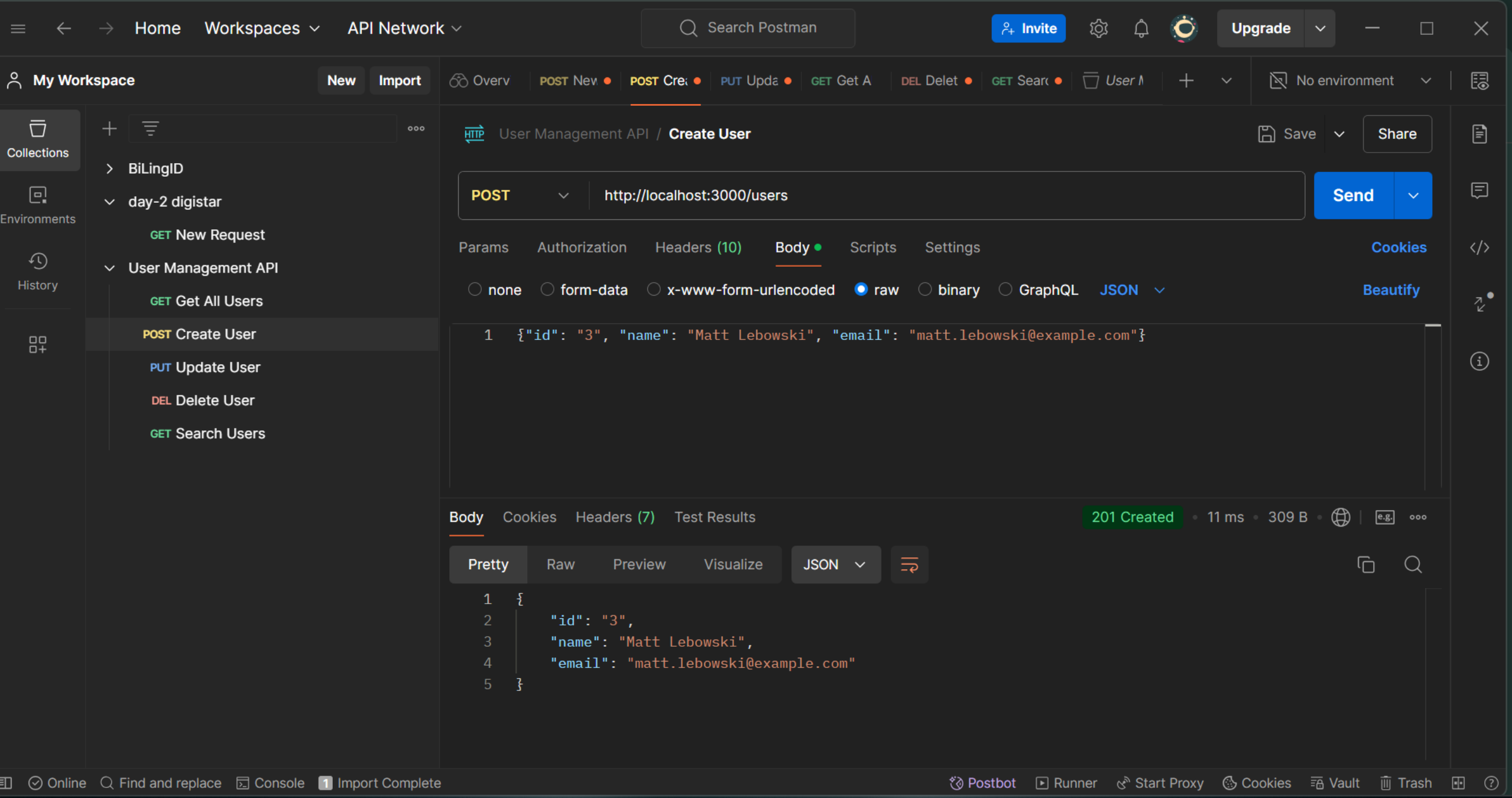
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GraphQL
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{"id": "3", "name": "Matt Lebowski", "email": "matt.lebowski@example.com"}
Body
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201 Created
11 ms
309 B
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{
"id": "3",
"name": "Matt Lebowski",
"email": "matt.lebowski@example.com"
}
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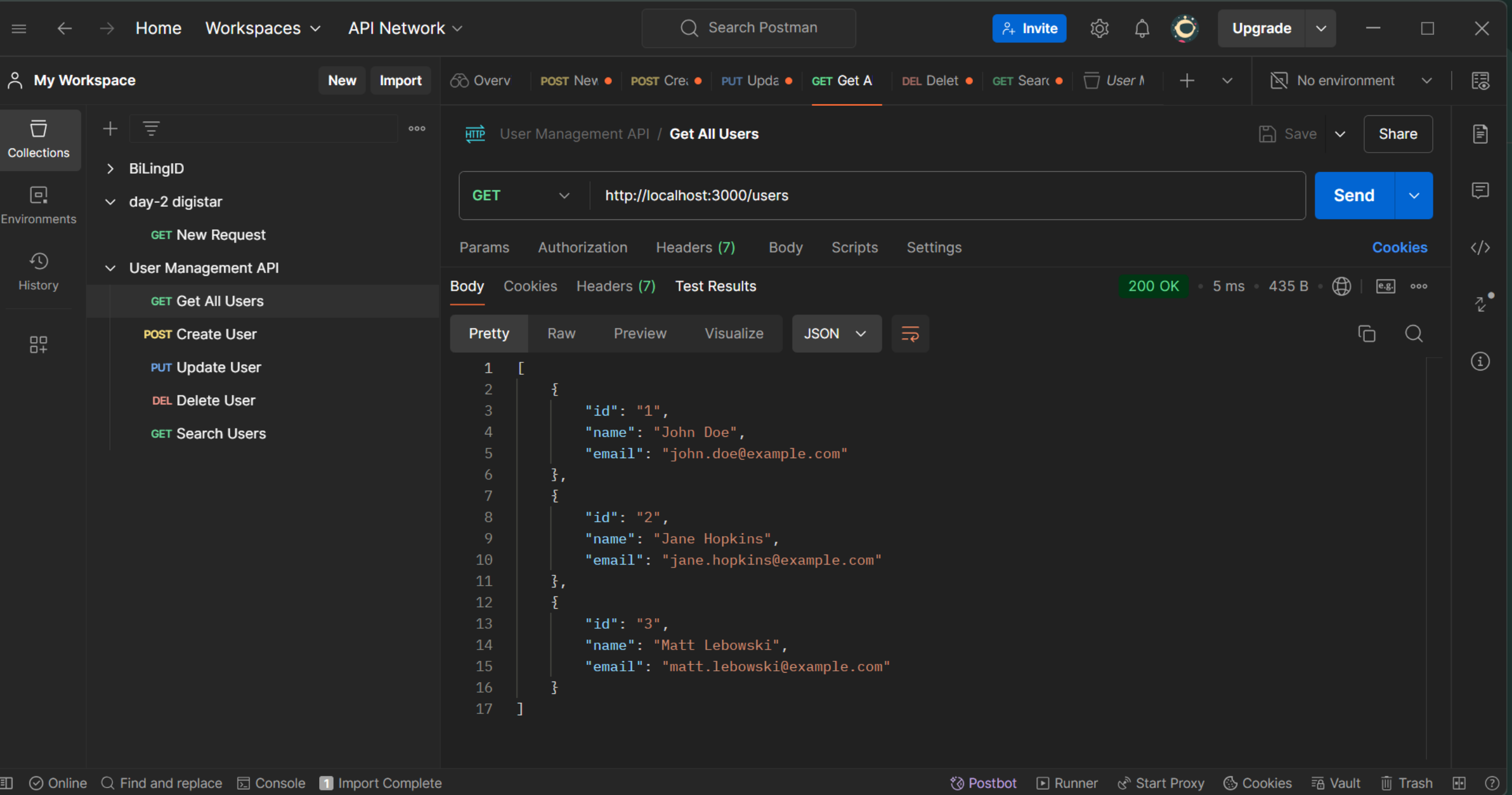
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Body
Cookies
Headers (7)
Test Results
200 OK
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JSON
[
{
"id": "1",
"name": "John Doe",
"email": "john.doe@example.com"
},
{
"id": "2",
"name": "Jane Hopkins",
"email": "jane.hopkins@example.com"
},
{
"id": "3",
"name": "Matt Lebowski",
"email": "matt.lebowski@example.com"
}
]
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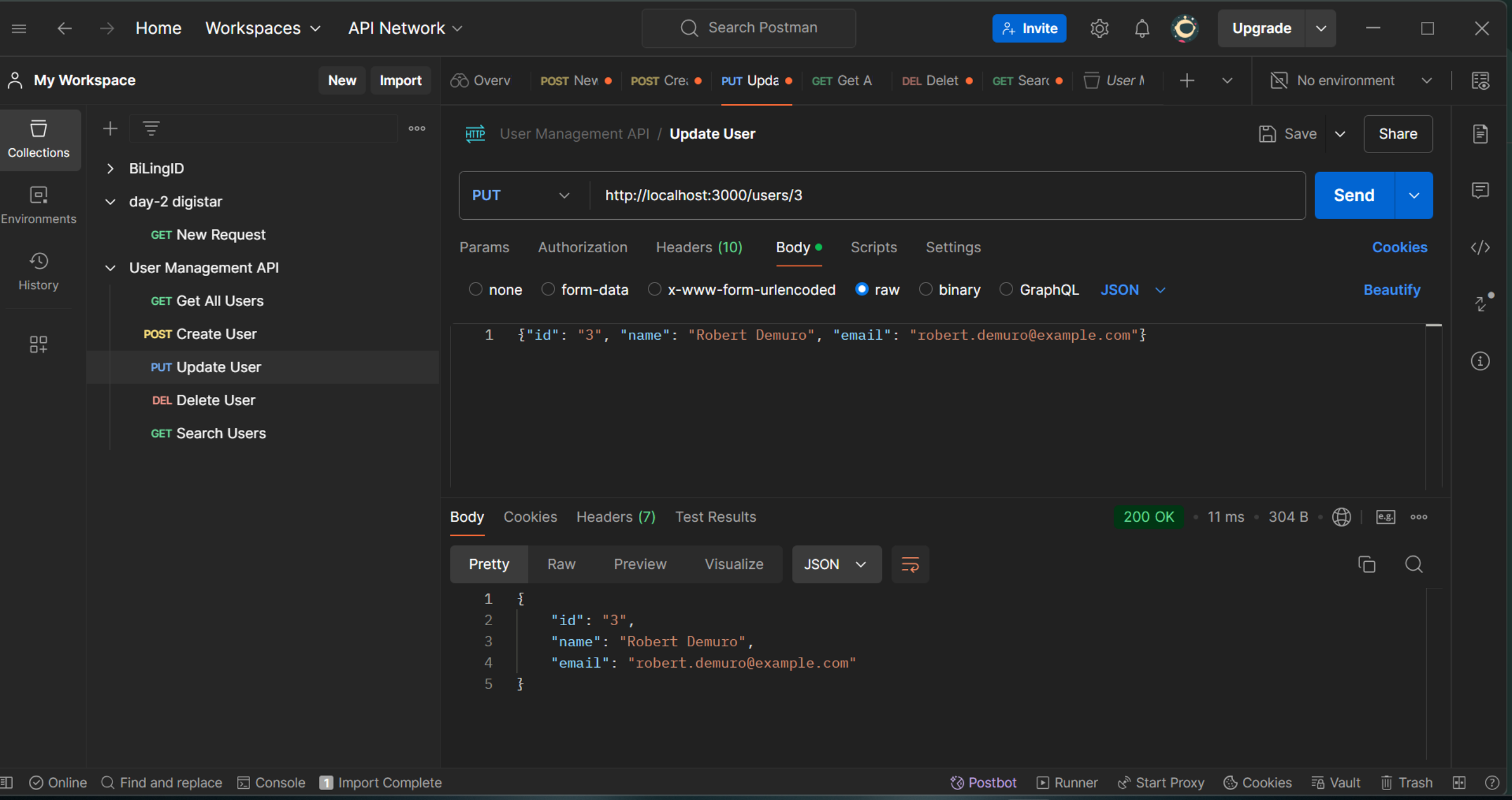
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DEL Delete User
GET Search Users
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raw
binary
GraphQL
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Beautify
{"id": "3", "name": "Robert Demuro", "email": "robert.demuro@example.com"}
Body
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Headers (7)
Test Results
200 OK
11 ms
304 B
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{
"id": "3",
"name": "Robert Demuro",
"email": "robert.demuro@example.com"
}
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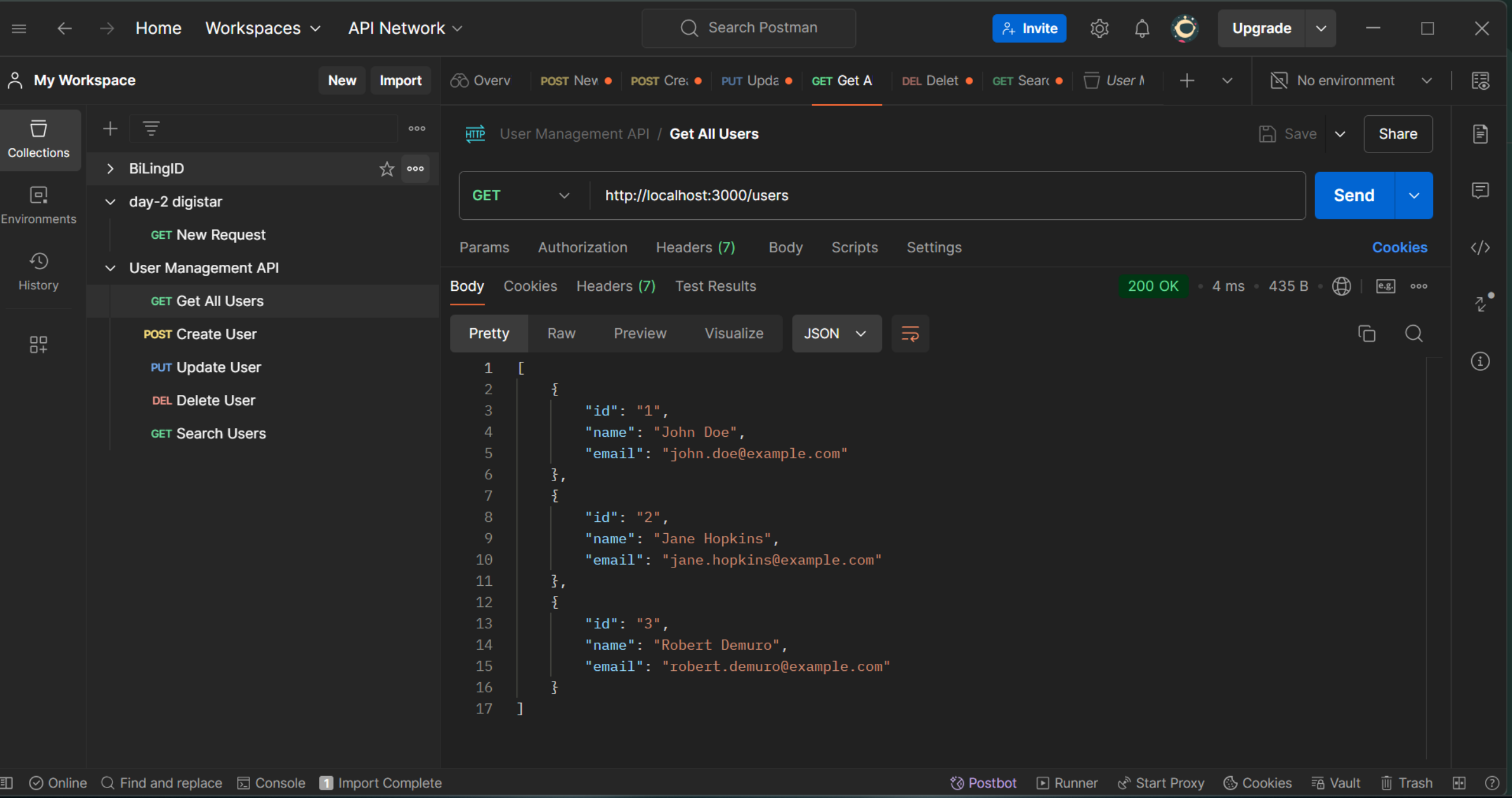
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Headers (7)
Test Results
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[
{
"id": "1",
"name": "John Doe",
"email": "john.doe@example.com"
},
{
"id": "2",
"name": "Jane Hopkins",
"email": "jane.hopkins@example.com"
},
{
"id": "3",
"name": "Robert Demuro",
"email": "robert.demuro@example.com"
}
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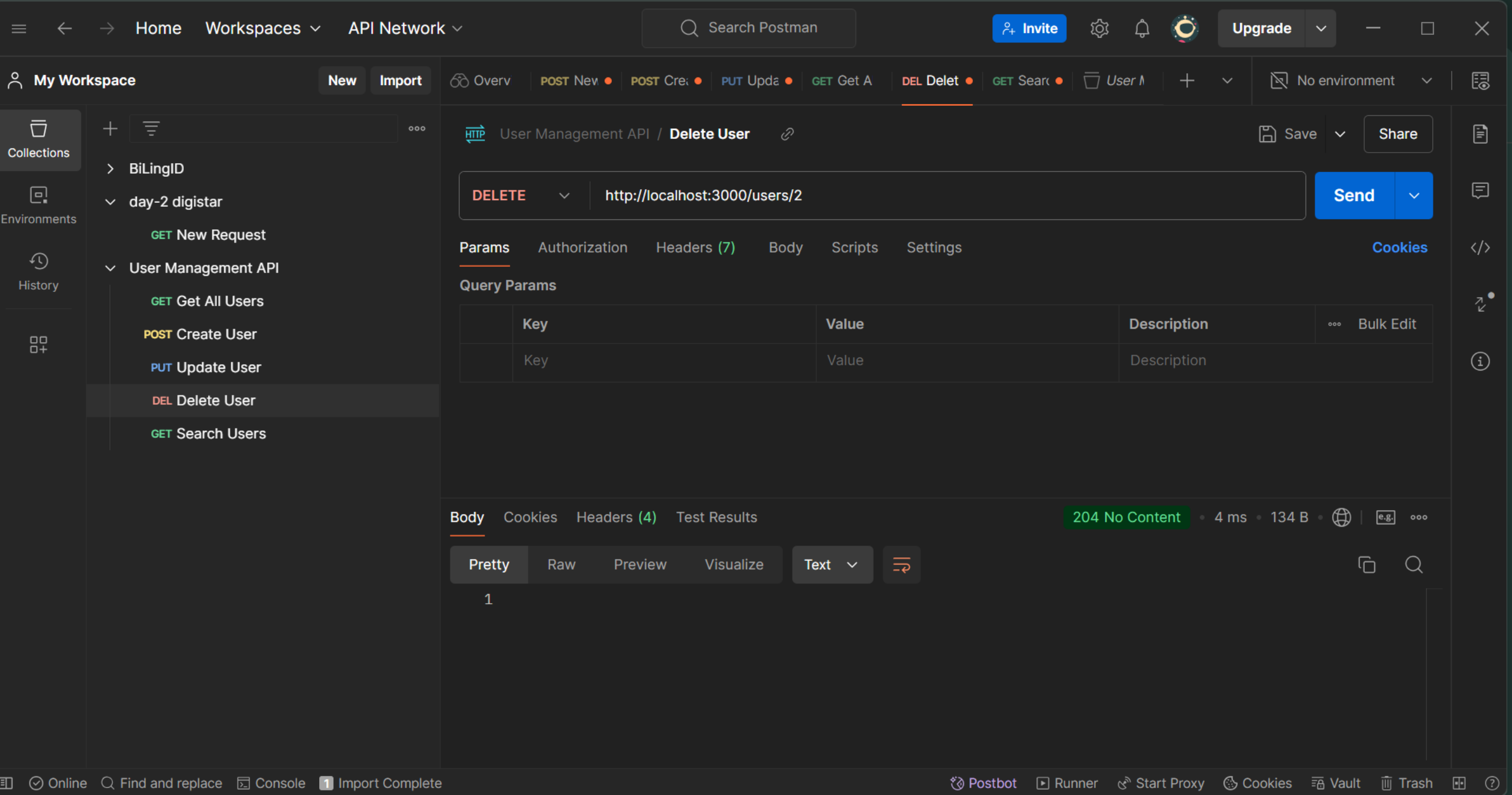
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Headers (4)
Test Results
204 No Content
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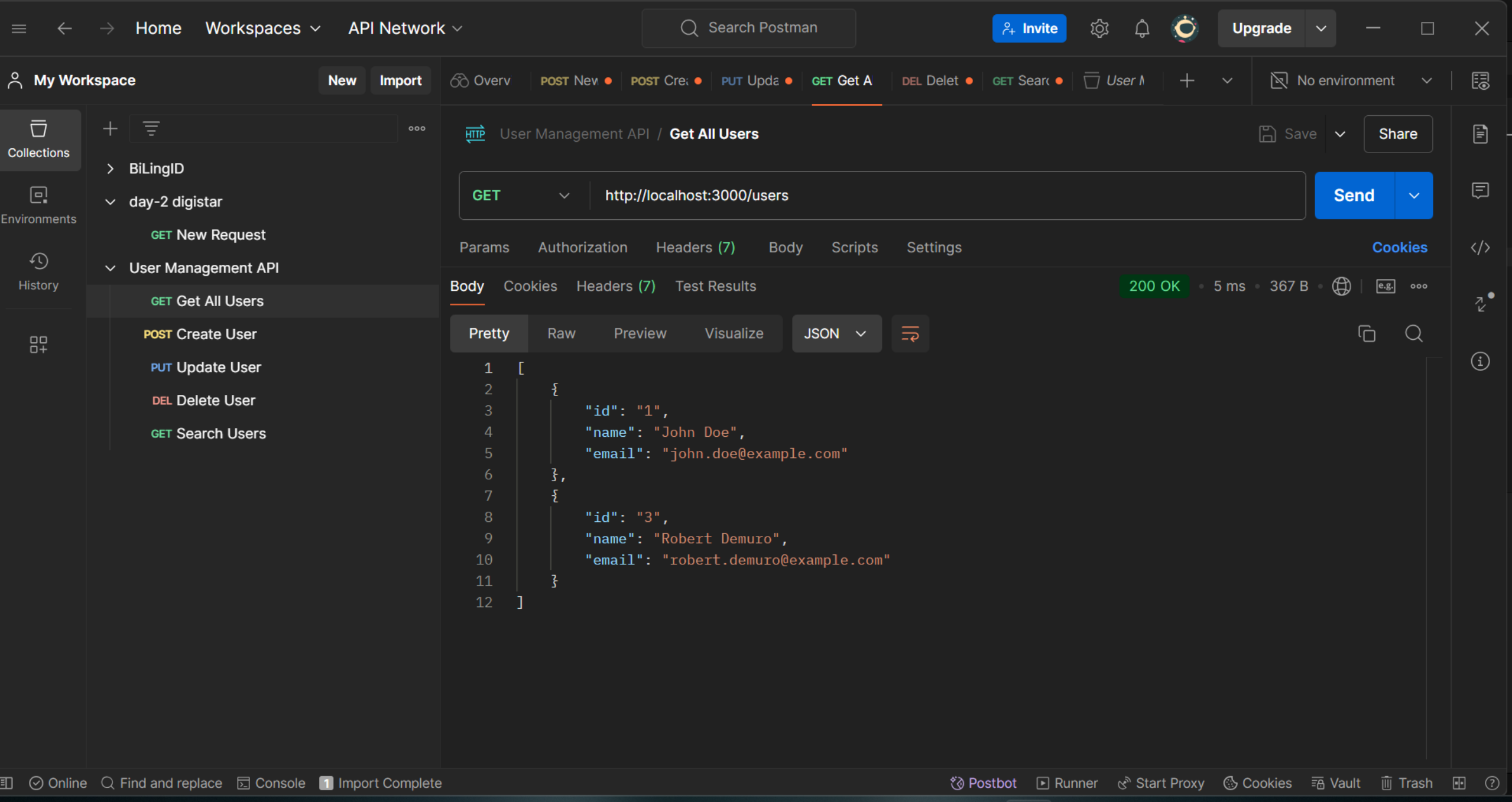
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Test Results
200 OK
5 ms
367 B
Pretty
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JSON
[
{
"id": "1",
"name": "John Doe",
"email": "john.doe@example.com"
},
{
"id": "3",
"name": "Robert Demuro",
"email": "robert.demuro@example.com"
}
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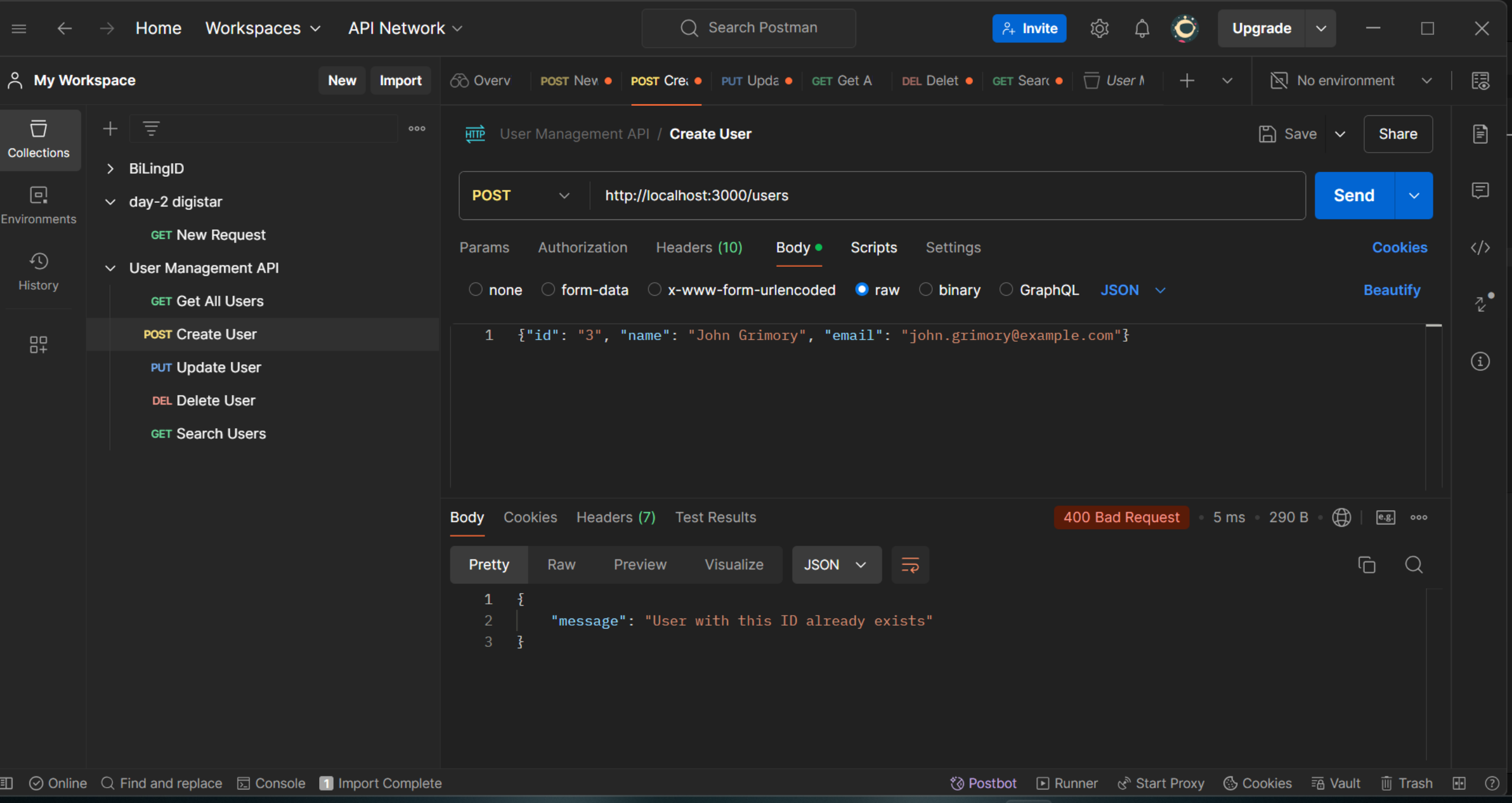
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GraphQL
JSON
Beautify
{"id": "3", "name": "John Grimory", "email": "john.grimory@example.com"}
Body
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Headers (7)
Test Results
400 Bad Request
5 ms
290 B
Pretty
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Preview
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JSON
{
"message": "User with this ID already exists"
}
Online
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Postbot
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Cookies
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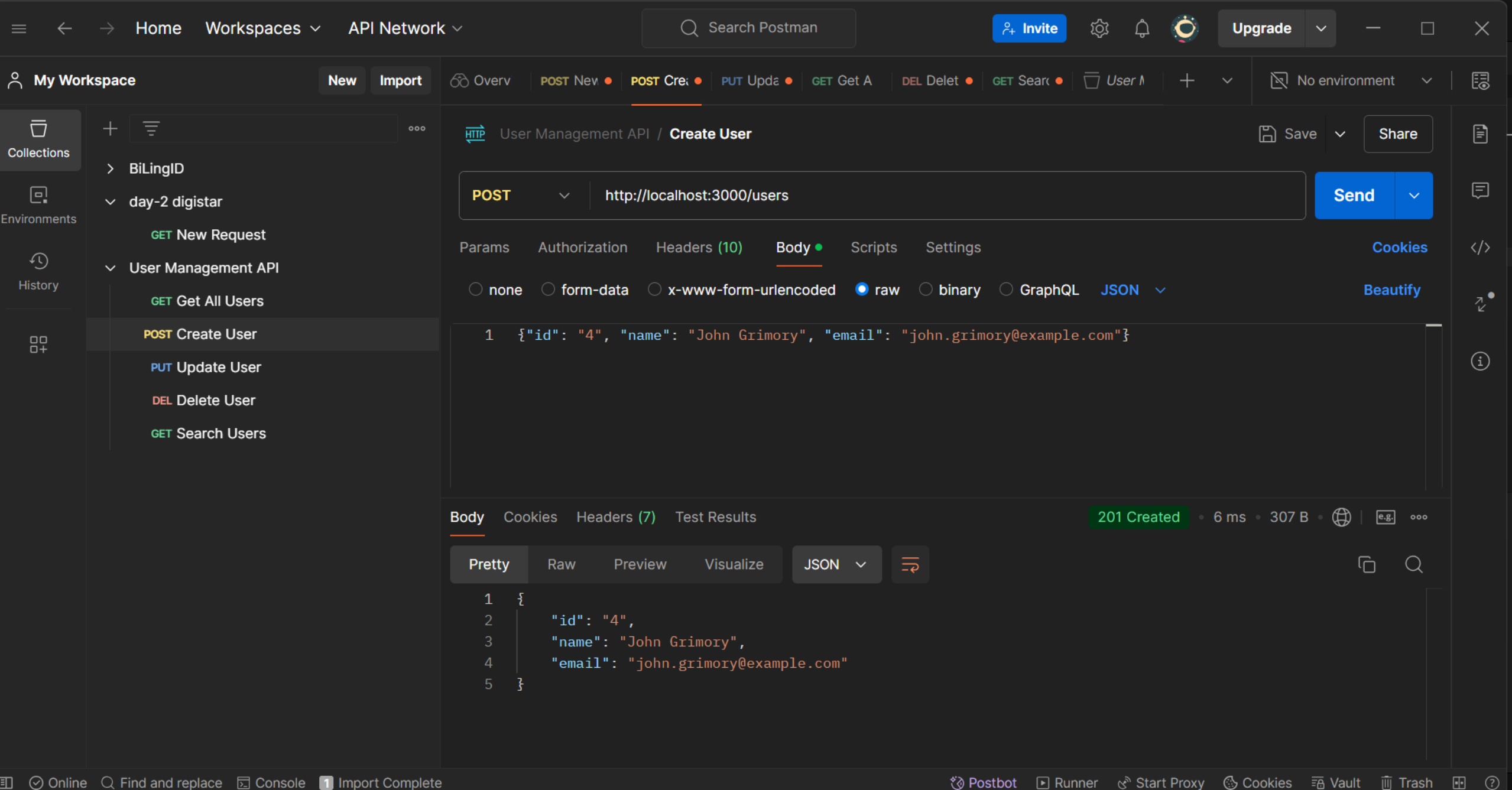
Trash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PUT Update User
DEL Delete User
GET Search Users
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Send
Params
Authorization
Headers (10)
Body
Scripts
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
{"id": "4", "name": "John Grimory", "email": "john.grimory@example.com"}
Body
Cookies
Headers (7)
Test Results
201 Created
6 ms
307 B
Pretty
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{
"id": "4",
"name": "John Grimory",
"email": "john.grimory@example.com"
}
Online
Find and replace
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Import Complete
Postbot
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Start Proxy
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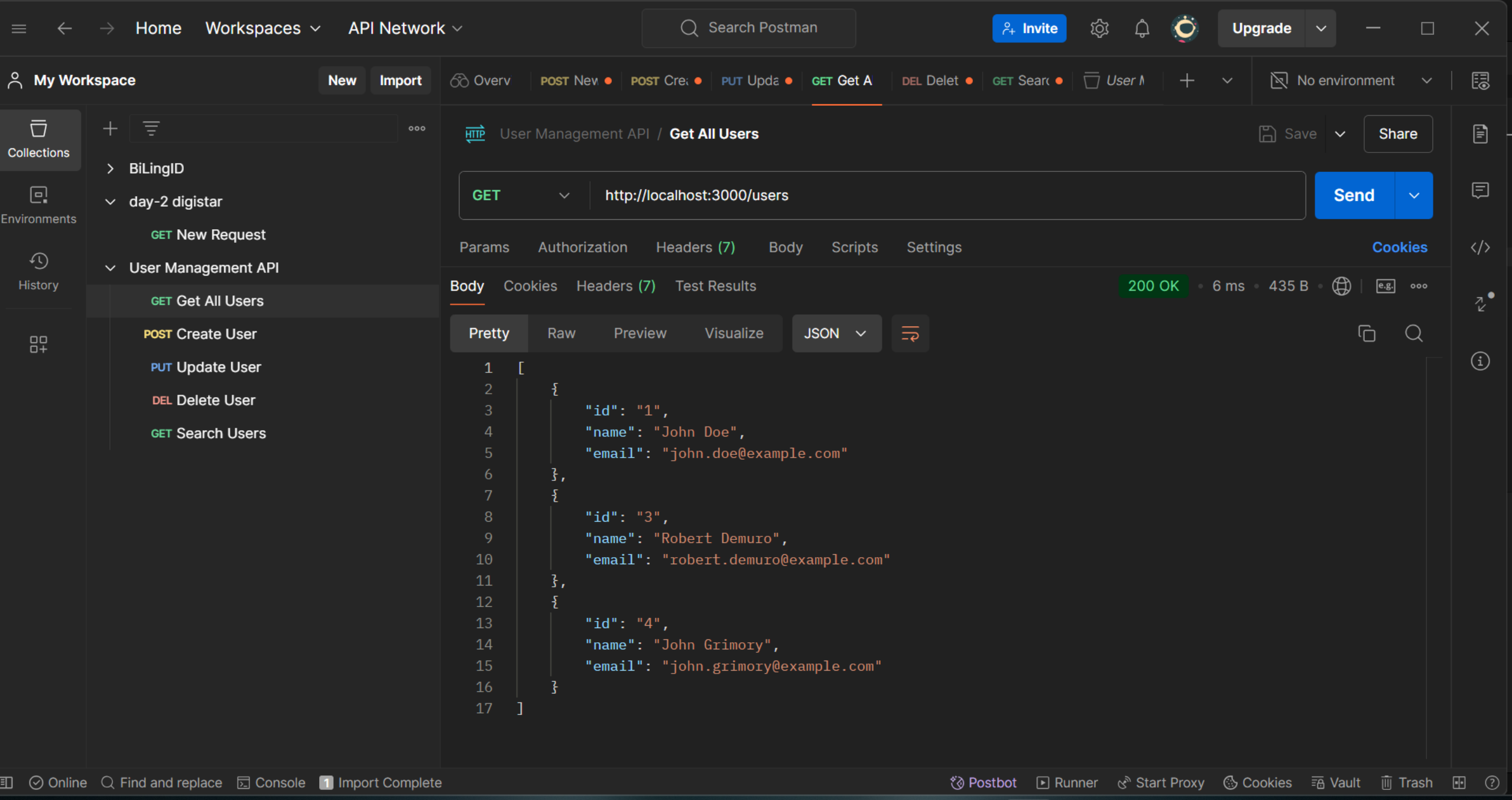
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User Management API / Get All Users
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http://localhost:3000/users
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Params
Authorization
Headers (7)
Body
Scripts
Settings
Cookies
Body
Cookies
Headers (7)
Test Results
200 OK
6 ms
435 B
Pretty
Raw
Preview
Visualize
JSON
[
{
"id": "1",
"name": "John Doe",
"email": "john.doe@example.com"
},
{
"id": "3",
"name": "Robert Demuro",
"email": "robert.demuro@example.com"
},
{
"id": "4",
"name": "John Grimory",
"email": "john.grimory@example.com"
}
]
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Import Complete
Postbot
Runner
Start Proxy
Cookies
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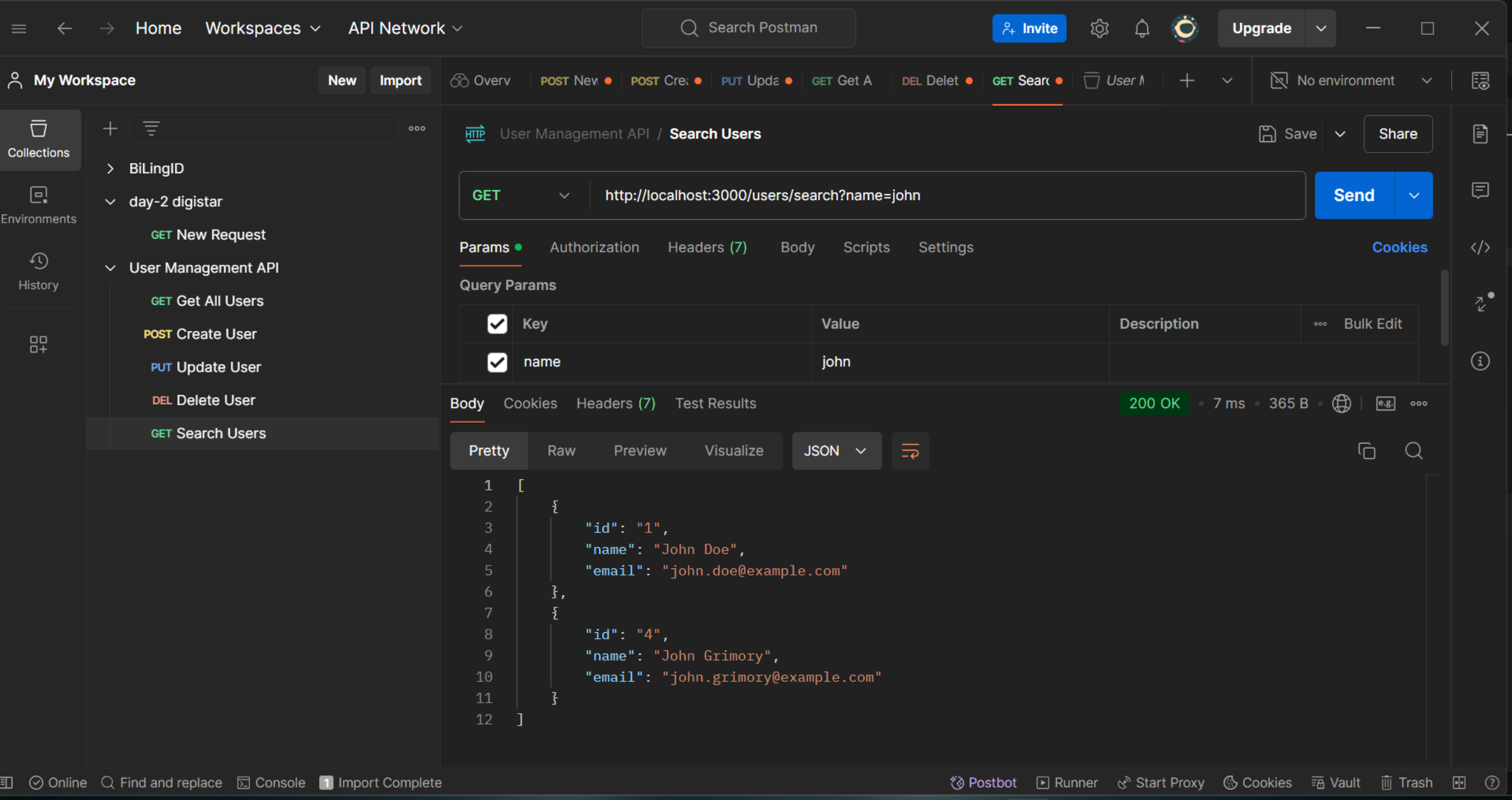
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GET New Request
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GET Get All Users
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PUT Update User
DEL Delete User
GET Search Users
No environment
User Management API / Search Users
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GET
http://localhost:3000/users/search?name=john
Send
Params
Authorization
Headers (7)
Body
Scripts
Settings
Cookies
Query Params
Key
Value
Description
Bulk Edit
name
john
Body
Cookies
Headers (7)
Test Results
200 OK
7 ms
365 B
Pretty
Raw
Preview
Visualize
JSON
[
{
"id": "1",
"name": "John Doe",
"email": "john.doe@example.com"
},
{
"id": "4",
"name": "John Grimory",
"email": "john.grimory@example.com"
}
]
Online
Find and replace
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