```json
{
  "_id": "admin@admin.com",
  "firstName": "admin",
  "lastName": "admin",
  "password": "$2a$10$qjLDt8aRt4IJmvmwJWg6OOk.LtkA9D9vNn.Ap3qWBopD4tpFXDlFC",
  "role": "ROLE_ADMIN",
  "updatedAt": {
    "$date": "2024-07-11T22:25:49.436Z"
  },
  "_class": "jwtexample.models.User"
}
```

MONGODB

CONNECTIONS
localhost:27017 connected
- admin
- config
- local
- testdb
  - account
  - customer
  - traceLog
  - user
    - Documents 1
      - "admin@admin.com"
    - Schema

PLAYGROUNDS
No MongoDB playground files found in the workspace.

Create New Playground

HELP AND FEEDBACK
What's New
Extension Documentation
MongoDB Documentation
Suggest a Feature
Report a Bug
Create Free Atlas Cluster

testdb.user:"admin@admin.com".json

PROBLEMS 1   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   Run: SpringBoot3JwtAuthenticationApplication

.ExpressionCodecProvider@4fb56bea, com.mongodb.Jep395RecordCodecProvider@5e5beb8a]}, loggerSettings=LoggerSettings{maxDocumentLength=1000}, clusterSettings={hosts=[localhost:27017], srvServiceName=mongodb, mode=SINGLE, requiredClusterType=UNKNOWN, requiredReplicaSetName='null', serverSelector='null', clusterListeners='[]', serverSelectionTimeout='30000 ms', localThreshold='30000 ms'}, socketSettings=SocketSettings{connectTimeoutMS=10000, readTimeoutMS=0, receiveBufferSize=0, sendBufferSize=0}, heartbeatSocketSettings=SocketSettings{connectTimeoutMS=10000, readTimeoutMS=10000, receiveBufferSize=0, sendBufferSize=0}, connectionPoolSettings=ConnectionPoolSettings{maxSize=100, minSize=0, maxWaitTimeMS=120000, maxConnectionLifeTimeMS=0, maxConnectionIdleTimeMS=0, maintenanceInitialDelayMS=0, maintenanceFrequencyMS=60000, connectionPoolListeners=[], maxConnecting=2}, serverSettings=ServerSettings{heartbeatFrequencyMS=10000, minHeartbeatFrequencyMS=500, serverListeners='[]', serverMonitorListeners='[]'}, sslSettings=SslSettings{enabled=false, invalidHostNameAllowed=false, context=null}, applicationName='null', compressorList=[], uuidRepresentation=JAVA_LEGACY, serverApi=null, autoEncryptionSettings=null, contextProvider=null}
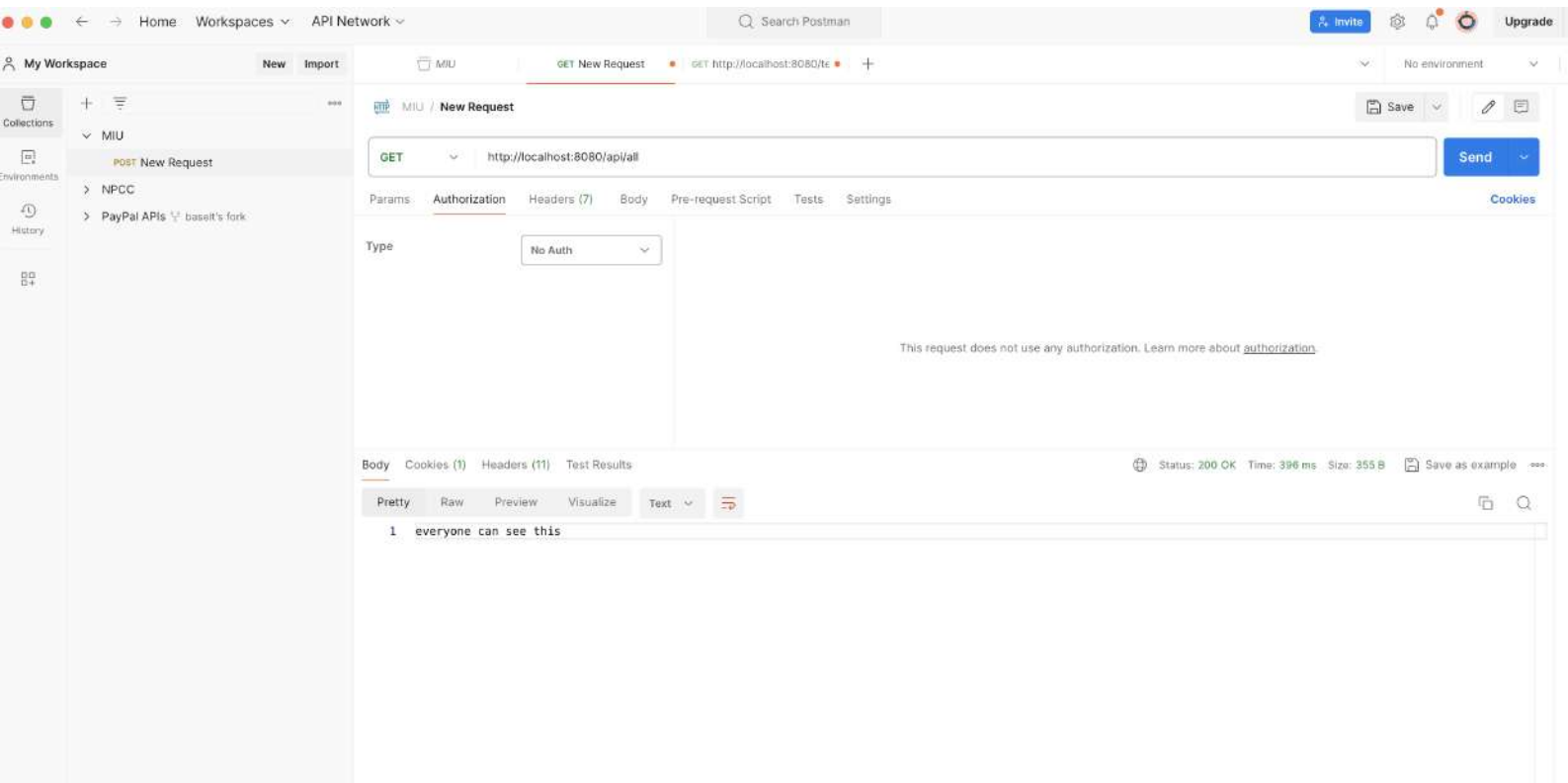2024-07-11T17:25:47.787-05:00 INFO 28761 --- [localhost:27017] org.mongodb.driver.cluster   : Monitor thread successfully connected to server with description ServerDescription{address=localhost:27017, type=STANDALONE, state=CONNECTED, ok=true, minWireVersion=0, maxWireVersion=21, maxDocumentSize=16777216, logicalSessionTimeoutMinutes=30, roundTripTimeNanos=31062859}
2024-07-11T17:25:48.728-05:00 INFO 28761 --- [main] o.s.s.web.DefaultSecurityFilterChain   : Will secure any request with [org.springframework.security.web.session.DisableEncodeUrlFilter@52621501, org.springframework.security.web.context.request.async.WebAsyncManagerIntegrationFilter@401e02b4, org.springframework.security.web.context.SecurityContextHolderFilter@282c4da0, org.springframework.security.web.header.HeaderWriterFilter@722531ab, org.springframework.security.web.authentication.logout.LogoutFilter@4a1dda83, jwtexample.filters.JwtAuthenticationFilter@f245bdd, org.springframework.security.web.savedrequest.RequestCacheAwareFilter@18cf5c52, org.springframework.security.web.servletapi.SecurityContextHolderAwareRequestFilter@10618775, org.springframework.security.web.authentication.AnonymousAuthenticationFilter@164d01ba, org.springframework.security.web.session.SessionManagementFilter@5882b202, org.springframework.security.web.access.ExceptionTranslationFilter@74fb5b59]
2024-07-11T17:25:49.223-05:00 INFO 28761 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8000 (http) with context path ''
2024-07-11T17:25:49.234-05:00 INFO 28761 --- [main] .SpringBoot3JwtAuthenticationApplication : Started SpringBoot3JwtAuthenticationApplication in 4.007 seconds (

My Workspace   New   Import   🗑 MIU   GET New Request   ●   GET http://localhost:8080/te ●   +   ∨   No environment   ∨

🗄 Collections   + ≡   ⋯   🕮 MIU / New Request   🖫 Save ∨   ✏ ▭

▣   ∨ MIU
Environments   GET   ∨   http://localhost:8080/api/all   Send   ∨

🕐   POST New Request   Params   Authorization   Headers (7)   Body   Pre-request Script   Tests   Settings   Cookies
History
             > NPCC   Type   No Auth   ∨
▦
             > PayPal APIs ⌥ baselt's fork

                                                                                    This request does not use any authorization. Learn more about authorization.

                                                            Body   Cookies (1)   Headers (11)   Test Results   🌐 Status: 200 OK Time: 396 ms Size: 355 B   🖫 Save as example   ⋯

                                                            Pretty   Raw   Preview   Visualize   Text ∨ ⇥   ⧉   🔍

                                                              1   everyone can see this

```
1  {
2      "timestamp": "2024-07-11T22:27:30.394+00:00",
3      "status": 403,
4      "error": "Forbidden",
5      "path": "/api/users"
6  }
```

Home   Workspaces ⌄   API Network ⌄   Search Postman   Invite   Upgrade

MIU / New Request   Save ⌄

POST   ⌄   http://localhost:8080/auth/signup   Send   ⌄

Params   Authorization   Headers (9)   Body ●   Pre-request Script   Tests   Settings   Cookies

○ none   ○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary   ○ GraphQL   JSON ⌄   Beautify

```
1  {
2      "firstName": "bob",
3      "password": "bob",
4      "email": "bob@email.com",
5      "lastname": "jon"
6  }
```

Body   Cookies (1)   Headers (11)   Test Results   Status: 200 OK   Time: 247 ms   Size: 487 B   Save as example

Pretty   Raw   Preview   Visualize   JSON ⌄

```
1  {
2      "token": "eyJhbGci0iJIUzI1NiJ9.eyJzdWIiOiJib2JAZW1haWwuY29tIiwiaWF0IjoxNzIwNzM3MDUwLCJleHAiOjE3MjA3NDA2NTB9.Nj-IVL67cEgHwZh6MqkgKJCeVijqu0Lo9xMFcxGddFw"
3  }
```

```json
{
    "_id": "bob@email.com",
    "firstName": "bob",
    "password": "$2a$10$yea6pEr1Ya8LMnRcdea/xONk97ByNW4GvdKlJhNVljbv6h03v233y",
    "role": "ROLE_USER",
    "updatedAt": {
        "$date": "2024-07-11T22:30:50.601Z"
    },
    "_class": "jwtexample.models.User"
}
```

MONGODB

CONNECTIONS
- localhost:27017 connected
  - config
  - local
  - testdb
    - account
    - customer
    - traceLog
    - user
      - Documents 2
        - "admin@admin.com"
        - "bob@email.com"
      - Schema

PLAYGROUNDS

No MongoDB playground files found in the workspace.

Create New Playground

HELP AND FEEDBACK
- What's New
- Extension Documentation
- MongoDB Documentation
- Suggest a Feature
- Report a Bug
- Create Free Atlas Cluster

PROBLEMS 5   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

ting=2}, serverSettings=ServerSettings{heartbeatFrequencyMS=10000, minHeartbeatFrequencyMS=500, serverListeners='[]', serverMonitorListeners='[]'}, sslSettings{enabled=false, invalidHostNameAllowed=false, context=null}, applicationName='null', compressorList=[], uuidRepresentation=JAVA_LEGACY, serverApi=null, autoEncryptionSettings=null, contextProvider=null}
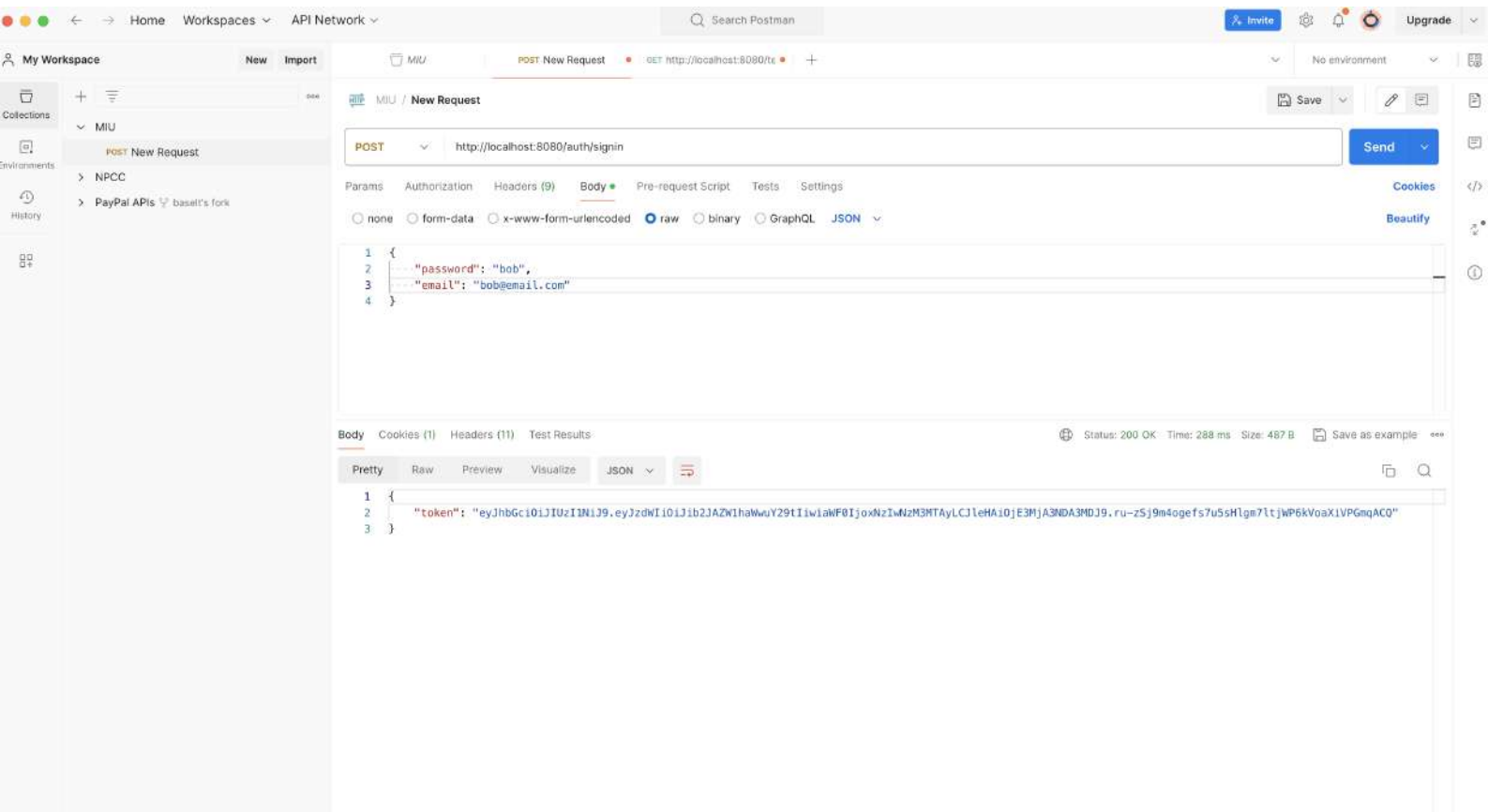2024-07-11T17:25:47.787-05:00 INFO 28761 --- [localhost:27017] org.mongodb.driver.cluster   : Monitor thread successfully connected to server with description ServerDescription{address=localhost:27017, type=STANDALONE, state=CONNECTED, ok=true, minWireVersion=0, maxWireVersion=21, maxDocumentSize=16777216, logicalSessionTimeoutMinutes=30, roundTripTimeNanos=31062859}
2024-07-11T17:25:48.728-05:00 INFO 28761 --- [main] o.s.s.web.DefaultSecurityFilterChain   : Will secure any request with [org.springframework.security.web.session.DisableEncodeUrlFilter@52621501, org.springframework.security.web.context.request.async.WebAsyncManagerIntegrationFilter@401e02b4, org.springframework.security.web.context.SecurityContextHolderFilter@282c4da0, org.springframework.security.web.header.HeaderWriterFilter@722531ab, org.springframework.security.web.authentication.logout.LogoutFilter@4a1dda83, jwtexample.filters.JwtAuthenticationFilter@f245bdd, org.springframework.security.web.savedrequest.RequestCacheAwareFilter@18cf5c52, org.springframework.security.web.servletapi.SecurityContextHolderAwareRequestFilter@10618775, org.springframework.security.web.authentication.AnonymousAuthenticationFilter@164d01ba, org.springframework.security.web.session.SessionManagementFilter@5882b202, org.springframework.security.web.access.ExceptionTranslationFilter@74fb5b59]
2024-07-11T17:25:49.223-05:00 INFO 28761 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2024-07-11T17:25:49.234-05:00 INFO 28761 --- [main] .SpringBoot3JwtAuthenticationApplication : Started SpringBoot3JwtAuthenticationApplication in 4.007 seconds (process running for 4.576)
2024-07-11T17:27:14.783-05:00 INFO 28761 --- [nio-8080-exec-2] o.a.c.c.C.[Tomcat].[localhost].[/]   : Initializing Spring DispatcherServlet 'dispatcherServlet'
2024-07-11T17:27:14.784-05:00 INFO 28761 --- [nio-8080-exec-2] o.s.web.servlet.DispatcherServlet   : Initializing Servlet 'dispatcherServlet'
2024-07-11T17:27:14.791-05:00 INFO 28761 --- [nio-8080-exec-2] o.s.web.servlet.DispatcherServlet   : Completed initialization in 5 ms
2024-07-11T17:28:56.431-05:00 WARN 28761 --- [nio-8080-exec-5] .w.s.m.s.DefaultHandlerExceptionResolver : Resolved [org.springframework.web.HttpRequestMethodNotSupportedException: Request method 'GET' is not supported]

AuthenticationController.java   testdb.user:"bob@email.com".json   MyController.java

Lab14Part3

My Workspace   New Import   🗂 MIU   POST New Request ● GET http://localhost:8080/te ● +   ∨   No environment   ∨

Collections   + ☰   ⠇   ▥ MIU / **New Request**   🖺 Save ∨   ✏ ▤

Environments ∨ MIU
              POST New Request   POST   ∨   http://localhost:8080/auth/signin   **Send** ∨

History   > NPCC
              > PayPal APIs ∀ baselt's fork   Params   Authorization   Headers (9)   Body ●   Pre-request Script   Tests   Settings   Cookies

                                              ○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL   JSON ∨   Beautify

```
1  {
2      "password": "bob",
3      "email": "bob@email.com"
4  }
```

Body   Cookies (1)   Headers (11)   Test Results   ⊕ Status: 200 OK Time: 288 ms Size: 487 B   🖺 Save as example ⠇

Pretty   Raw   Preview   Visualize   JSON ∨ ⇥

```
1  {
2      "token": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJib2JAZW1haWwuY29tIiwiaWF0IjoxNzIwNzM3MTAyLCJleHAiOjE3MjA3NDA3MDJ9.ru-zSj9m4ogefs7u5sHlgm7ltjWP6kVoaXiVPGmqACQ"
3  }
```

Encoded PASTE A TOKEN HERE

eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJib2JAZW
1haWwuY29tIiwiaWF0IjoxNzIwNzM3MTAyLCJle
HAiOjE3MjA3NDA3MDJ9.IByxll0CsdrqrmjoWIe
58ouHSj4ygBR6wZ5MTIp0Ylo

⊘ Signature Verified

Decoded EDIT THE PAYLOAD AND SECRET

HEADER: ALGORITHM & TOKEN TYPE

```
{
  "alg": "HS256"
}
```

PAYLOAD: DATA

```
{
  "sub": "bob@email.com",
  "iat": 1720737102,
  "exp": 1720740702
}
```

VERIFY SIGNATURE

```
HMACSHA256(
  base64UrlEncode(header) + "." +
  base64UrlEncode(payload),
  b32c4acb3edc5e15f4511
) ☐ secret base64 encoded
```

SHARE JWT

Home   Workspaces ⌄   API Network ⌄   Search Postman   Invite   Upgrade

MIU   GET New Request ●   GET http://localhost:8080/te ●   +   ⌄   No environment ⌄

Collections

MIU / **New Request**   💾 Save ⌄   ✎ ▣

Environments

⌄ MIU
    POST New Request
〉 NPCC
〉 PayPal APIs ⑂ baselt's fork

History

GET ⌄   http://localhost:8080/api/users   **Send** ⌄

Params   Authorization ●   Headers (8)   Body   Pre-request Script   Tests   Settings   **Cookies**

Type   Bearer Token ⌄   ⓘ Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about variables.   ✕

The authorization header will be automatically generated when you send the request. Learn more about Bearer Token authorization.

Token   eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJib2JAZW...

Body   Cookies (1)   Headers (11)   Test Results   ⊕ Status: 200 OK   Time: 73 ms   Size: 357 B   💾 Save as example ⋯

Pretty   Raw   Preview   Visualize   Text ⌄   ⇥

1   ONLY users can see this

MIU   GET New Request   GET http://localhost:8080/tc   +

No environment

MIU / New Request   Save

GET   http://localhost:8080/api/admins   Send

Params   Authorization ●   Headers (8)   Body   Pre-request Script   Tests   Settings   Cookies

Type   Bearer Token   ⓘ Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using   ✕
                                      variables. Learn more about variables.

The authorization header will be automatically
generated when you send the request. Learn more   Token   eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJib2JAZW...
about Bearer Token authorization.

Body   Cookies (1)   Headers (11)   Test Results   ⊕ Status: 403 Forbidden   Time: 44 ms   Size: 440 B   🖫 Save as example   •••

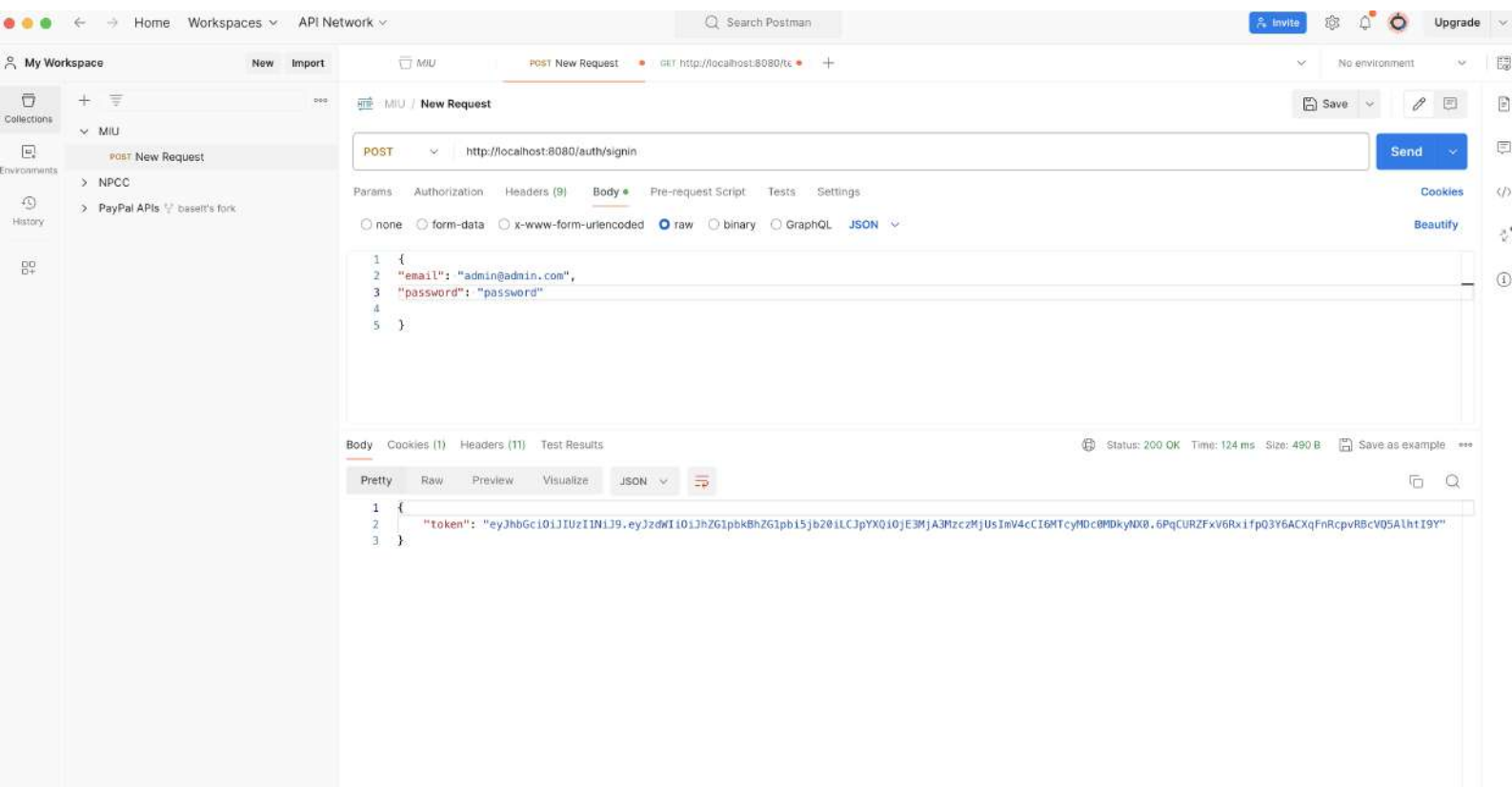Pretty   Raw   Preview   Visualize   JSON ∨   ⇥

```
1  {
2      "timestamp": "2024-07-11T22:34:36.795+00:00",
3      "status": 403,
4      "error": "Forbidden",
5      "path": "/api/admins"
6  }
```

Home   Workspaces ∨   API Network ∨

Search Postman

Invite   Upgrade

Collections

∨ MIU

POST New Request

> NPCC

> PayPal APIs ⸙ baselt's fork

MIU / **New Request**

Save ∨

POST ∨   http://localhost:8080/auth/signin

Send ∨

Params   Authorization   Headers (9)   Body ●   Pre-request Script   Tests   Settings

Cookies

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL   JSON ∨

Beautify

```
1  {
2      "email": "admin@admin.com",
3      "password": "password"
4
5  }
```

Body   Cookies (1)   Headers (11)   Test Results

Status: 200 OK Time: 124 ms Size: 490 B   Save as example •••

Pretty   Raw   Preview   Visualize   JSON ∨

```
1  {
2      "token": "eyJhbGci0iJIUzI1NiJ9.eyJzdWIi0iJhZG1pbkBhZG1pbi5jb20iLCJpYXQi0jE3MjA3MzczMjUsImV4cCI6MTcyMDc0MDkyNX0.6PqCURZFxV6RxifpQ3Y6ACXqFnRcpvRBcVQ5AlhtI9Y"
3  }
```