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Title : Postman Tests

1.Authentication:

A.Register

The screenshot shows a Postman interface for a REST client. The top bar indicates the API is 'Quiz Application API' and the current endpoint is 'Authentication / Register User'. The request is a POST to 'http://127.0.0.1:5001/users/register'. The 'Body' tab is selected, showing 'form-data' with three fields: 'name' (Text, value 'fahad bhi'), 'email' (Text, value 'fa12@gmail.com'), and 'password' (Text, value 'password'). The response is a 201 CREATED status with a 414 ms response time and 218 B of data. The response body is JSON:

```
{  "message": "User registered successfully"}
```

B.Login:

The screenshot shows a Postman interface for a REST client. The top bar indicates the API is 'Quiz Application API' and the current endpoint is 'Authentication / Login User'. The request is a POST to 'http://127.0.0.1:5001/auth/login'. The 'Authorization' tab is selected, showing 'Basic Auth' with 'Username' 'fa12@gmail.com' and 'Password' 'password'. The response is a 200 OK status with a 401 ms response time and 358 B of data. The response body is JSON:

```
{  "role": "user",  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyIjoizmExMk8nbWpbc5jb20iLCJyb2x1IjoiaXN1ciIsImV4cCI6MTc2MjQ3NjcxcX09.9XR10BhhY5AV5UIfPLays8AqZourFctWSWze6KrkKbA"}
```

C.Log-out

Quiz Application API / Authentication / Logout User

SaveShare

POST

http://127.0.0.1:5001/auth/logout

Send

Params

Authorization

Headers (8)

Body

Scripts

Settings

Cookies

Headers

7 hidden

	Key	Value	Description		Bulk Edit	Presets
<input checked="" type="checkbox"/>	x-access-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyIjoiaZm...				
	Key	Value	Description			

Body

Cookies

Headers (5)

Test Results

200 OK

22 ms

208 B

Save Response

JSON

Preview

Visualize

```
1 {
2   "message": "Logged out successfully"
3 }
```

2.User Management

A. Get User Profile

Quiz Application API / User Management / Get User Profile

SaveShare

GET

http://127.0.0.1:5001/users/profile

Send

Params

Authorization

Headers (7)

Body

Scripts

Settings

Cookies

Headers

6 hidden

	Key	Value	Description		Bulk Edit	Presets
<input checked="" type="checkbox"/>	x-access-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyIjoiaZm...				
	Key	Value	Description			

Body

Cookies

Headers (5)

Test Results

200 OK

21 ms

239 B

Save Response

JSON

Preview

Visualize

```
1 {
2   "email": "john@example.com",
3   "name": "John Doe",
4   "role": "user"
5 }
```

B. View User attempts

Quiz Application API / User Management / View User Attempts

POST

http://127.0.0.1:5001/quizzes/QZ-007/attempts

Send

Params

Authorization

Headers (9)

Body

Scripts

Settings

Cookies

Headers

8 hidden

	Key	Value	Description		Bulk Edit	Presets
<input checked="" type="checkbox"/>	x-access-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyIjoia2...				
	Key	Value	Description			

Body

Cookies

Headers (5)

Test Results

201 CREATED

18 ms

234 B

Save Response

JSON

Preview

Visualize

```
1 {
2   "message": "Attempt submitted successfully",
3   "score": 0
4 }
```

C. Delete User Account:

Quiz Application API / User Management / Delete User Account

DELETE

http://127.0.0.1:5001/users/delete

Send

Params

Authorization

Headers (7)

Body

Scripts

Settings

Cookies

Headers

6 hidden

	Key	Value	Description		Bulk Edit	Presets
<input checked="" type="checkbox"/>	x-access-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyIjoia2...				
	Key	Value	Description			

Body

Cookies

Headers (5)

Test Results

200 OK

16 ms

213 B

Save Response

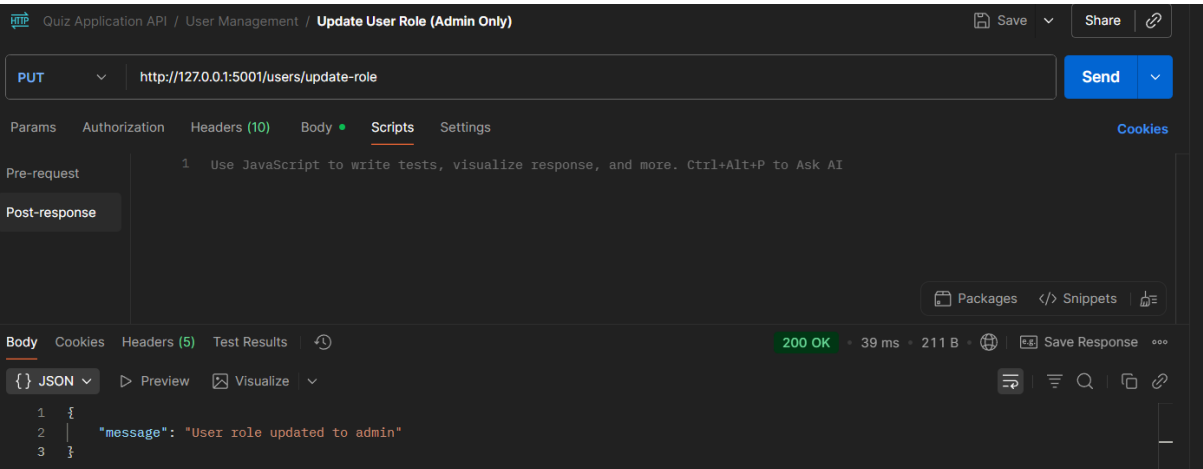
JSON

Preview

Visualize

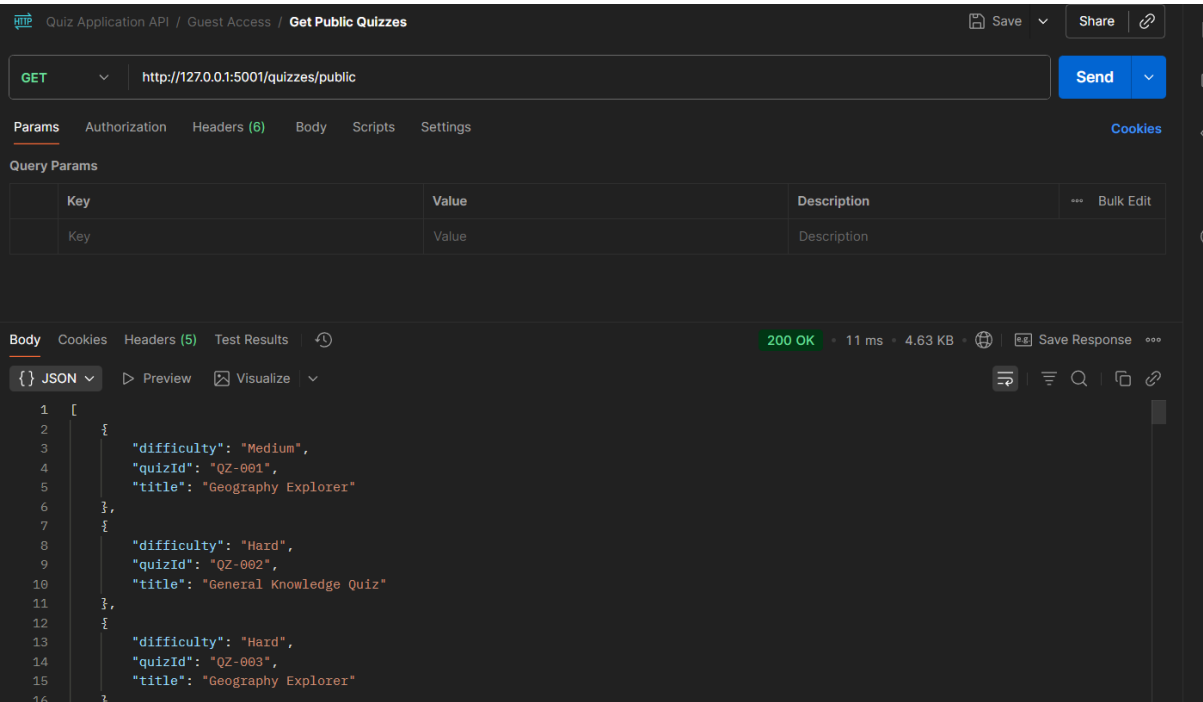
```
1 {
2   "message": "Account deleted successfully"
3 }
```

D.Update User Role (admin only)



3.Guest Access

A.Get Public Quizzes



B. Preview Quiz

Quiz Application API / Guest Access / Preview Quiz

GET

http://127.0.0.1:5001/quizzes/QZ-003/preview

Send

Params

Authorization

Headers (6)

Body

Scripts

Settings

Cookies

Query Params

	Key	Value	Description	Bulk Edit
	Key	Value	Description	

Body

Cookies

Headers (5)

Test Results

200 OK • 10 ms • 271 B • Save Response

{ } JSON

Preview

Visualize

```
1 {
2   "difficulty": "Hard",
3   "question_count": 5,
4   "quizId": "QZ-003",
5   "title": "Geography Explorer"
6 }
```

C. View Public Leaderboard

Quiz Application API / Guest Access / View Public Leaderboard

GET

http://127.0.0.1:5001/guest/quizzes/QZ-007/leaderboard

Send

Params

Authorization

Headers (7)

Body

Scripts

Settings

Cookies

Headers

6 hidden

	Key	Value	Description	Bulk Edit	Presets
<input checked="" type="checkbox"/>	x-access-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyJjoia2...			
	Key	Value	Description		

Body

Cookies

Headers (5)

Test Results

200 OK • 9 ms • 447 B • Save Response

{ } JSON

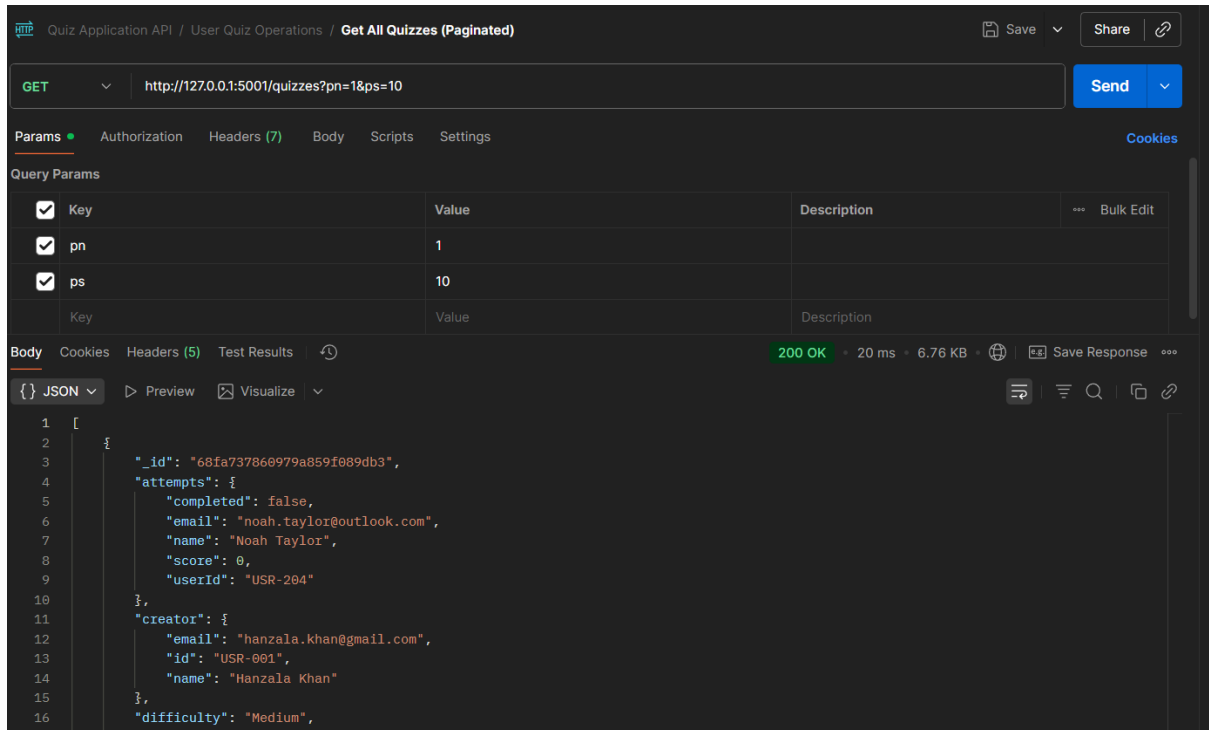
Preview

Visualize

```
1 [
2   {
3     "completed": true,
4     "email": "emma.williams@yahoo.com",
5     "name": "Emma Williams",
6     "score": 0,
7     "userId": "USR-201"
8   },
9   {
10    "completed": true,
11    "email": "hhanzala261@gmail.com",
12    "name": "Hazrat Hanzala",
13    "score": 0,
14    "userId": "U001"
```

4. User Quiz Operations

A. Get all quiz operations (paginated)



Quiz Application API / User Quiz Operations / **Get All Quizzes (Paginated)**

GET http://127.0.0.1:5001/quizzes?pn=1&ps=10 Send

Params • Authorization Headers (7) Body Scripts Settings Cookies

Query Params

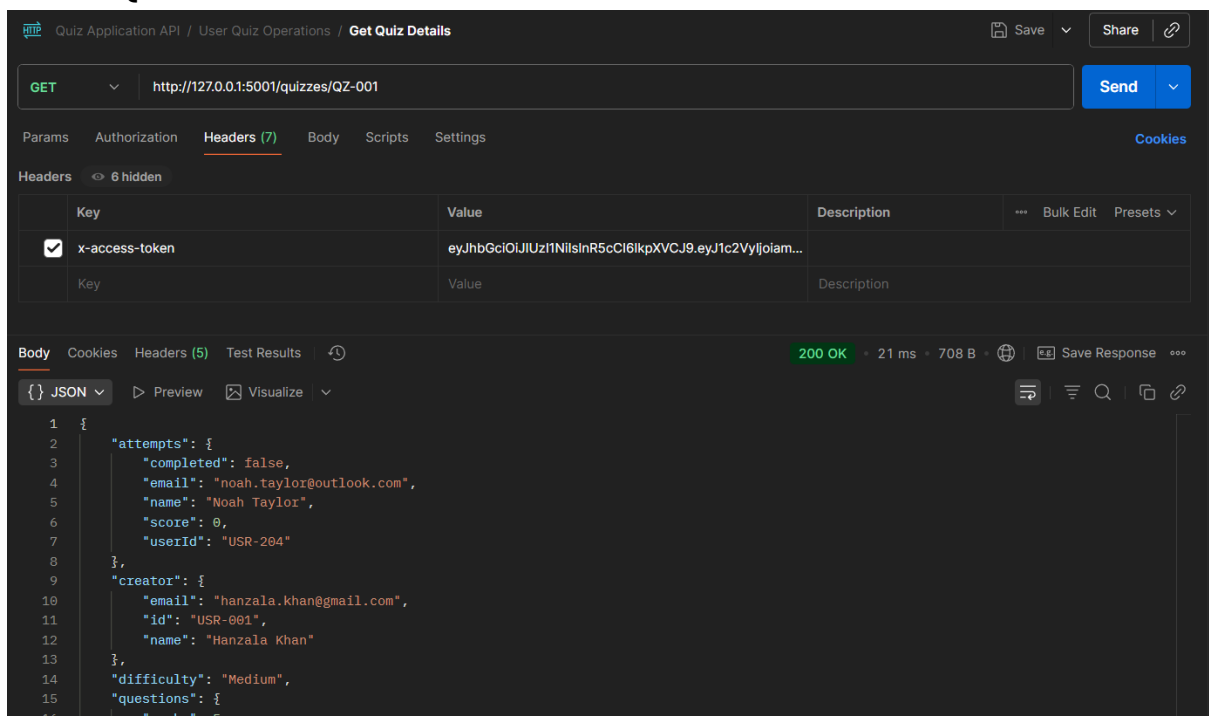
Key	Value	Description
pn	1	
ps	10	

Body Cookies Headers (5) Test Results 200 OK • 20 ms • 6.76 KB Save Response

JSON Preview Visualize

```
1 [
2   {
3     "_id": "68fa737860979a859f089db3",
4     "attempts": {
5       "completed": false,
6       "email": "noah.taylor@outlook.com",
7       "name": "Noah Taylor",
8       "score": 0,
9       "userId": "USR-204"
10    },
11    "creator": {
12      "email": "hanzala.khan@gmail.com",
13      "id": "USR-001",
14      "name": "Hanzala Khan"
15    },
16    "difficulty": "Medium",
17    "questions": {
```

B. Get Quiz Details :



Quiz Application API / User Quiz Operations / **Get Quiz Details**

GET http://127.0.0.1:5001/quizzes/QZ-001 Send

Params Authorization Headers (7) Body Scripts Settings Cookies

Headers 6 hidden

Key	Value	Description
x-access-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyIjoiam...	

Body Cookies Headers (5) Test Results 200 OK • 21 ms • 708 B Save Response

JSON Preview Visualize

```
1 {
2   "attempts": {
3     "completed": false,
4     "email": "noah.taylor@outlook.com",
5     "name": "Noah Taylor",
6     "score": 0,
7     "userId": "USR-204"
8   },
9   "creator": {
10    "email": "hanzala.khan@gmail.com",
11    "id": "USR-001",
12    "name": "Hanzala Khan"
13  },
14  "difficulty": "Medium",
15  "questions": {
16    "marks": 5,
```

C. Update Quiz :

The screenshot shows a REST client interface for a "Quiz Application API" under "Admin Operations". The selected endpoint is "Update Quiz" with the URL "http://127.0.0.1:5001/admin/quizzes/QZ-001". The HTTP method is "PUT". The request body is set to "raw" and contains a JSON object:

```
{  "title": "Updated Quiz Title",  "difficulty": "Hard"}
```

. The response status is "200 OK" with a response time of 11 ms and a size of 210 B. The response body is shown in JSON format:

```
{  "message": "Quiz updated successfully"}
```

D. Delete Quiz :

The screenshot shows a REST client interface for a "Quiz Application API" under "Admin Operations". The selected endpoint is "Delete Quiz" with the URL "http://127.0.0.1:5001/admin/quizzes/QZ-001". The HTTP method is "DELETE". The request body is set to "none", and a message states "This request does not have a body". The response status is "200 OK" with a response time of 11 ms and a size of 210 B. The response body is shown in JSON format:

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


E.Quiz Attempts:

Quiz Application API / Admin Operations / View Quiz Attempts

SaveShare

GET

http://127.0.0.1:5001/admin/quizzes/QZ-005/attempts

Send

ParamsAuthorizationHeaders (7)BodyScriptsSettingsCookies

noneform-datax-www-form-urlencodedrawbinaryGraphQL

This request does not have a body

BodyCookiesHeaders (5)Test Results

200 OK9 ms291 BSave Response

JSON

PreviewVisualize

```
1 {
2   "completed": true,
3   "email": "noah.taylor@outlook.com",
4   "name": "Noah Taylor",
5   "score": 10,
6   "userId": "USR-204"
7 }
```

F. View Quiz Leaderboard :

Quiz Application API / Admin Operations / View Quiz Leaderboard

SaveShare

GET

http://127.0.0.1:5001/admin/quizzes/QZ-007/leaderboard

Send

ParamsAuthorizationHeaders (7)BodyScriptsSettingsCookies

Headers6 hidden

	Key	Value	Description		Bulk Edit	Presets
<input checked="" type="checkbox"/>	x-access-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyIjoiaG...				
	Key	Value	Description			

BodyCookiesHeaders (5)Test Results

200 OK10 ms310 BSave Response

JSON

PreviewVisualize

```
1 [
2   {
3     "completed": true,
4     "email": "emma.williams@yahoo.com",
5     "name": "Emma Williams",
6     "score": 0,
7     "userId": "USR-201"
8   }
9 ]
```

G. Get Statistics

Quiz Application API / Admin Operations / **Get Statistics**

GET

http://127.0.0.1:5001/admin/stats

Send

Params

Authorization

Headers (7)

Body

Scripts

Settings

Cookies

Headers

6 hidden

	Key	Value	Description	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	x-access-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyIjoiaG...				
	Key	Value	Description			

Body

Cookies

Headers (5)

Test Results

200 OK · 24 ms · 303 B · Save Response

JSON

Preview

Visualize

```
1  [
2    {
3      "_id": "Hard",
4      "count": 20
5    },
6    {
7      "_id": "Easy",
8      "count": 15
9    },
10   {
11     "_id": "Medium",
12     "count": 15
13   }
```