



Name: Hazrat Hanzala

Student ID : B00957159

Title : Postman Tests

1.Authentication:

A.Register

The screenshot shows a POST request to `http://127.0.0.1:5001/users/register`. The request body is set to `form-data` and contains three fields: `name` (text: `fahad bhi`), `email` (text: `fa12@gmail.com`), and `password` (text: `password`). The response status is `201 CREATED` with a response time of `414 ms` and a size of `218 B`. The response body is a JSON object with a single key `message` containing the value `"User registered successfully"`.

B.Login:

The screenshot shows a POST request to `http://127.0.0.1:5001/auth/login`. The `Authorization` tab is selected, showing `Basic Auth` as the auth type. The `Username` field is filled with `fa12@gmail.com` and the `Password` field is filled with `password`. The response status is `200 OK` with a response time of `401 ms` and a size of `358 B`. The response body is a JSON object with keys `role` (value: `"user"`) and `token` (value: a long string of characters).

C.Log-out

The screenshot shows a Postman request to `http://127.0.0.1:5001/auth/logout`. The method is `POST`, and the header `x-access-token` is included with the value `eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2Vyljoia...` . The response is `200 OK` with a message: "Logged out successfully".

2.User Management

A. Get User Profile

The screenshot shows a Postman request to `http://127.0.0.1:5001/users/profile`. The method is `GET`, and the header `x-access-token` is included with the value `eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2Vyljoia...` . The response is `200 OK` with a user profile object containing `email: "john@example.com"`, `name: "John Doe"`, and `role: "user"`.

B. View User attempts

The screenshot shows the Postman interface with the following details:

- URL:** http://127.0.0.1:5001/quizzes/QZ-007/attempts
- Method:** POST
- Headers:** x-access-token (Value: eyJhbGciOiJIUzI1NilsInR5cCl6IkpxXVCJ9eyJc2Vyljoia2...)
- Body:** JSON response (201 CREATED)

```
1 {  
2   "message": "Attempt submitted successfully",  
3   "score": 0  
4 }
```
- Status:** 201 CREATED
- Time:** 18 ms
- Size:** 234 B

C. Delete User Account:

The screenshot shows the Postman interface with the following details:

- URL:** http://127.0.0.1:5001/users/delete
- Method:** DELETE
- Headers:** x-access-token (Value: eyJhbGciOiJIUzI1NilsInR5cCl6IkpxXVCJ9eyJc2Vyljoiam...)
- Body:** JSON response (200 OK)

```
1 {  
2   "message": "Account deleted successfully"  
3 }
```
- Status:** 200 OK
- Time:** 16 ms
- Size:** 213 B

D.Update User Role (admin only)

The screenshot shows a Postman interface for a PUT request to `http://127.0.0.1:5001/users/update-role`. The response status is 200 OK, and the JSON body contains the message: "User role updated to admin".

```
1 {  
2   "message": "User role updated to admin"  
3 }
```

3.Guest Access

A.Get Public Quizzes

The screenshot shows a Postman interface for a GET request to `http://127.0.0.1:5001/quizzes/public`. The response status is 200 OK, and the JSON body lists three quizzes: "Geography Explorer", "General Knowledge Quiz", and another "Geography Explorer".

```
1 [  
2   {  
3     "difficulty": "Medium",  
4     "quizId": "QZ-001",  
5     "title": "Geography Explorer"  
6   },  
7   {  
8     "difficulty": "Hard",  
9     "quizId": "QZ-002",  
10    "title": "General Knowledge Quiz"  
11  },  
12  {  
13    "difficulty": "Hard",  
14    "quizId": "QZ-003",  
15    "title": "Geography Explorer"  
16  }.
```

B. Preview Quiz

The screenshot shows the Postman interface with a GET request to `http://127.0.0.1:5001/quizzes/QZ-003/preview`. The response is a 200 OK status with a response body containing JSON data:

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

C. View Public Leaderboard

The screenshot shows the Postman interface with a GET request to `http://127.0.0.1:5001/guest/quizzes/QZ-007/leaderboard`. The request includes an `x-access-token` header. The response is a 200 OK status with a response body containing JSON data:

```
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"
15 }
```

4. User Quiz Operations

A. Get all quiz operations (paginated)

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

Save Share

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	Bulk Edit
pn	1		
ps	10		
Key	Value	Description	

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": [  
18      {  
19        "category": "General Knowledge",  
20        "content": "What is the capital of France?",  
21        "correctAnswer": "Paris",  
22        "incorrectAnswers": ["London", "Berlin", "Rome", "Madrid"],  
23        "id": "Q1",  
24        "isCorrect": true,  
25        "order": 1  
26      },  
27      {  
28        "category": "Science",  
29        "content": "What is the chemical symbol for water?",  
30        "correctAnswer": "H2O",  
31        "incorrectAnswers": ["H2S", "H2C", "H2O2", "H2N"],  
32        "id": "Q2",  
33        "isCorrect": false,  
34        "order": 2  
35      },  
36      {  
37        "category": "History",  
38        "content": "Who was the first president of the United States?",  
39        "correctAnswer": "George Washington",  
40        "incorrectAnswers": ["John Adams", "Thomas Jefferson", "Abraham Lincoln", "Barack Obama"],  
41        "id": "Q3",  
42        "isCorrect": true,  
43        "order": 3  
44      },  
45      {  
46        "category": "Geography",  
47        "content": "What is the highest mountain in North America?",  
48        "correctAnswer": "Matterhorn",  
49        "incorrectAnswers": ["Everest", "K2", "El Capitan", "Matterhorn"],  
50        "id": "Q4",  
51        "isCorrect": false,  
52        "order": 4  
53      },  
54      {  
55        "category": "Technology",  
56        "content": "What is the name of the first computer program written in assembly language?",  
57        "correctAnswer": "Assembly Language",  
58        "incorrectAnswers": ["BASIC", "FORTRAN", "COBOL", "Assembly Language"],  
59        "id": "Q5",  
60        "isCorrect": true,  
61        "order": 5  
62      },  
63      {  
64        "category": "Sports",  
65        "content": "What is the name of the sport that originated in India?",  
66        "correctAnswer": "Cricket",  
67        "incorrectAnswers": ["Football", "Basketball", "Tennis", "Cricket"],  
68        "id": "Q6",  
69        "isCorrect": false,  
70        "order": 6  
71      },  
72      {  
73        "category": "Entertainment",  
74        "content": "What is the name of the first movie ever made?",  
75        "correctAnswer": "The Lumière Brothers' Short Film",  
76        "incorrectAnswers": ["The Wizard of Oz", "The Birth of a Nation", "The Lumière Brothers' Short Film", "The Godfather"],  
77        "id": "Q7",  
78        "isCorrect": true,  
79        "order": 7  
80      },  
81      {  
82        "category": "Literature",  
83        "content": "What is the name of the first book ever written?",  
84        "correctAnswer": "The Epic of Gilgamesh",  
85        "incorrectAnswers": ["The Great Gatsby", "War and Peace", "The Epic of Gilgamesh", "Ulysses"],  
86        "id": "Q8",  
87        "isCorrect": false,  
88        "order": 8  
89      },  
90      {  
91        "category": "Mathematics",  
92        "content": "What is the name of the first mathematical theorem?",  
93        "correctAnswer": "Pythagorean Theorem",  
94        "incorrectAnswers": ["Fermat's Last Theorem", "Euclid's Elements", "Pythagorean Theorem", "The Riemann Hypothesis"],  
95        "id": "Q9",  
96        "isCorrect": true,  
97        "order": 9  
98      },  
99      {  
100     "category": "Astronomy",  
101     "content": "What is the name of the first planet discovered by humans?",  
102     "correctAnswer": "Mercury",  
103     "incorrectAnswers": ["Venus", "Earth", "Mars", "Mercury"],  
104     "id": "Q10",  
105     "isCorrect": false,  
106     "order": 10  
107   },  
108 },  
109 ]
```

B. Get Quiz Details :

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

Save Share

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

Params Authorization Headers (7) Body Scripts Settings Cookies

Headers (7) Headers

Key	Value	Description	...	Bulk Edit	Presets
<input checked="" type="checkbox"/> x-access-token	eyJhbGciOiJIUzI1NlslnR5cCl6IkpxVCJ9.eyJc2Vyljoiam...				
Key	Value	Description			

Body Cookies Headers (5) Test Results

200 OK • 21 ms • 708 B Save Response

{ } JSON

```
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    "order": 5  
17  }  
18}
```

C. Update Quiz :

The screenshot shows the Postman interface for updating a quiz. The URL is `http://127.0.0.1:5001/admin/quizzes/QZ-001`. The request method is `PUT`. The body contains the following JSON:

```
1 {
2   "title": "Updated Quiz Title",
3   "difficulty": "Hard"
4 }
```

The response status is `200 OK` with a message: `"Quiz updated successfully"`.

D. Delete Quiz :

The screenshot shows the Postman interface for deleting a quiz. The URL is `http://127.0.0.1:5001/admin/quizzes/QZ-001`. The request method is `DELETE`. The response status is `200 OK` with a message: `"Quiz deleted successfully"`.

E. Quiz Attempts:

The screenshot shows the Postman interface with the following details:

- Method:** GET
- URL:** http://127.0.0.1:5001/admin/quizzes/QZ-005/attempts
- Headers:** (7) - Headers tab selected.
- Body:** none
- Response:** 200 OK (9 ms, 291 B). The response body is a JSON object representing a quiz attempt:

```
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 :

The screenshot shows the Postman interface with the following details:

- Method:** GET
- URL:** http://127.0.0.1:5001/admin/quizzes/QZ-007/leaderboard
- Headers:** (7) - Headers tab selected. A header 'x-access-token' is added with the value eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VycjoiG... .
- Response:** 200 OK (10 ms, 310 B). The response body is a JSON array representing the quiz leaderboard:

```
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

The screenshot shows the Postman interface for a GET request to `http://127.0.0.1:5001/admin/stats`. The request includes an `X-Access-Token` header with a value of `eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJlc2VyljolaG...`. The response status is `200 OK` with a duration of `24 ms` and a size of `303 B`.

Key	Value	Description	Bulk Edit	Presets
x-access-token	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJlc2VyljolaG...			
Key	Value	Description		

```
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  }]
```