ELO Learning

API ENDPOINT TESTS

ZERO DAY

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1. Introduction

This document is to help guide on how to test the API endpoints on Postman.

1. Make Sure the server is running:

```
node server.js
```

You should see:

```
Server is running on http://localhost:3000
```

2. Open Postman and Create a New Request

Request Setup:

```
Method: GET
```

```
URL: http://localhost:3000/user/1
# (or the other endpoints)
```

Headers Tab:

Add a new header:

```
Key: Authorization
Value: Bearer testtoken123
Key: Content-Type
Value: application/json
```

3. Send the Request

0. Base URL (for local development): http://localhost:3000

1. GET /users – Return all users:

```
URL: http://localhost:3000/users
Headers: Authorization: Bearer testtoken123
Body: None.
```

2. GET /user/:id – Return a specific user by ID:

```
URL: http://localhost:3000/user/2
Headers: Authorization: Bearer testtoken123
Body: None.
```

3. GET /users/:id/achievements – Return achievements for a user:

```
URL: http://localhost:3000/users/2/achievements
Headers: Authorization: Bearer testtoken123
Body: None.
```

4. POST /user/:id/xp – Update XP for a user:

```
URL: http://localhost:3000/user/2/xp
Headers: Both.
Body (JSON):
{
  "xp": 1500
}
```

5. GET /questions – Return all questions:

```
URL: http://localhost:3000/questions
Headers: Content-Type: application/json
Body: None.
```

6. GET /question/:level – Return questions for a specific level:

```
URL: http://localhost:3000/question/4
Headers: Both.
```

```
Body: None
```

7. GET /question/:id/answer – Get the correct answer to a question:

```
URL Example: http://localhost:3000/question/3/answer
Headers: Both.
Body: None
```

8. GET /questions/topic?topic=Algebra – Questions by topic:

```
URL: http://localhost:3000/questions/topic?topic=Statistics
Headers: Both.
Body: None
```

9. GET /questions/level/topic?level=4 topic=Algebra – Questions by level and topic:

```
URL:
http://localhost:3000/questions/level/topic?level=4&topic=Statistics
Headers: Content-Type: application/json
Body: None
```

10. POST /question/:id/answer – Submit an answer to be checked:

```
URL: http://localhost:3000/question/3/answer
Headers: Content-Type: application/json
Body (JSON):
{
  "question": [
    {
      "answer": "x = 5"
    }
  ]
}
```