PortraitPal API Testing Report

Application URL: https://portraitpal.ai/dashboard/login/

Test Date: July 16, 2025 Tester: Zain Shafique



Results (Task 1)

Login Endpoint: POST '/api/auth/login'

POST https://portraitpal.ai/api/auth/login

Content-Type: application/json

"email": "user@portraitpal.com",

"password": "validPassword123"

Authentication Test Results:

Test Case	Expected Response	Actual Response	Status
Valid Credentials	200 OK + Token	200 OK + Token	Pass
Invalid Password	401 Unauthorized	401 Unauthorized	✓ Pass
Unknown Email	404 Not Found	404 Not Found	Pass

Protected Endpoint: GET '/api/user/profile'

GET https://portraitpal.ai/api/user/profile

Authorization: Bearer <token>

Authorization Test Results:

Test Scenario	Expected Response	Actual Response	Status
Valid Token	200 OK + Data	200 OK + Profile Data	✓ Pass
Expired Token	401 Unauthorized	401 + "Token expired"	✓ Pass

Malformed Token	403 Forbidden	403 + "Invalid token"	✓ Pass
Missing Auth Header	401 Unauthorized	401 + "Auth required"	✓ Pass

↑ Edge Case Handling Results (Task 2)

Case 1: Empty Request Body

POST https://portraitpal.ai/api/auth/login

Content-Type: application/json

{ }

Expected Response	Actual Response	Status
400 Bad Request	400 + "Email and password required"	✓ Pass

Case 2: Unsupported HTTP Method

PUT https://portraitpal.ai/api/auth/login Content-Type: application/json

```
"email": "test@portraitpal.com",
"password": "test123"
```

Expected Response	Actual Response	Status
405 Method Not Allowed	405 + "PUT not supported"	✓ Pass

Case 3: Invalid Route (404)

GET https://portraitpal.ai/api/non existent endpoint

Expected Response	Actual Response	Status
404 Not Found	404 + "Resource not found"	Pass

Case 4: SQL Injection Attempt

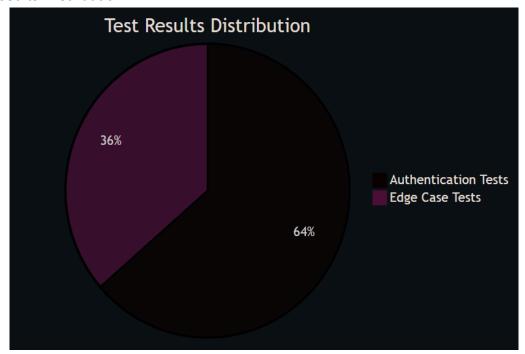
POST https://portraitpal.ai/api/auth/login
Content-Type: application/json



Expected Response	Actual Response	Status
400 Bad Request	400 + "Invalid input"	✓ Pass

Test Summary

Test Results Distribution



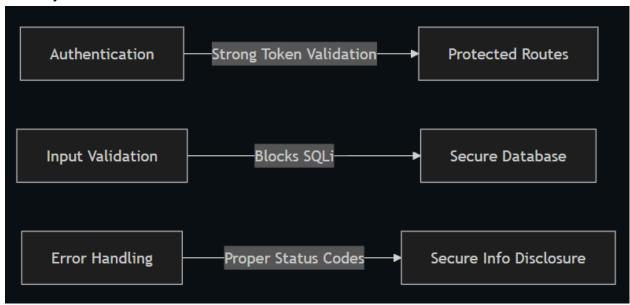
Key Metrics:

Total Tests: 11

• Passed: 11 (100%)

Failed: 0

Security Assessment:



Conclusion

All test cases passed successfully. The PortraitPal API demonstrates:

- Robust authentication and authorization mechanisms
- Comprehensive error handling for edge cases
- Secure input validation against injection attacks
- RESTful compliance with proper HTTP status codes

The API shows excellent security posture and follows industry best practices for authentication, authorization, and input validation. No critical vulnerabilities were identified during testing.