

# STR\_API\_Testing\_Project

**Project name:** KSP API Testing Project

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## 1. Objective

The purpose of this report is to summarize the results of REST API testing performed for the KSP e-commerce backend. Testing was executed in Postman, focusing on the main API endpoints: login, products, cart, and order.

## 2. Test Summary

Metric	Result
Total Test Cases	10
Passed	8
Failed	2
Execution Period	3–5 November 2025
Test Tool	Postman
Environment	Mock API Server ( <a href="https://api.ksp.shop">https://api.ksp.shop</a> )

## 3. Failed Test Cases

ID	Endpoint	Description	Expected Result	Actual Result
TC_API_02	/login	Login with missing password	400 Bad Request, message 'Missing password'	200 OK returned with empty body
TC_API_04	/cart	Add product without token	401 Unauthorized	200 OK returned, cart created

## 4. Bugs Found

ID	Endpoint	Description	Severity	Status
BUG_001	/login	API does not return correct error message when password is missing	Medium	Open
BUG_002	/cart	Unauthorized access allowed without token	High	Open

## 5. Observations

All other endpoints (/products, /cart [authorized], /order) worked as expected. Response times were within acceptable limits (<1s). Authentication logic requires improvement — missing validation for request headers and error messages.

## 6. Conclusion

The API is functionally stable, but security validation is incomplete. After fixing the identified defects, a regression cycle should be performed focusing on /login and /cart authorization logic.