# Rapport de tests :

## Test de fonctionnalité et sécurité :

console.log

Connexion à MongoDB réussie

at Object.<anonymous> (src/app.ts:72:11)

{"level":"info","message":"POST /v1/users/register - Utilisateur enregistré","timestamp":"2024-11-16T21:47:41.162Z"}

{"level":"info","message":"POST /v1/users/login - Connexin réussie","timestamp":"2024-11-16T21:47:41.237Z"}

{"level":"info","message":"GET /v1/products - getAllProducts","timestamp":"2024-11-16T21:47:41.397Z"}

{"level":"info","message":"GET /v1/products - getAllProducts","timestamp":"2024-11-16T21:47:41.421Z"}

{"level":"info","message":"verifyToken - Aucun token","timestamp":"2024-11-16T21:47:41.427Z"}

{"level":"info","message":"verifyToken - Token invalide","timestamp":"2024-11-16T21:47:41.431Z"}

{"level":"info","message":"POST /v1/products - postProduct","timestamp":"2024-11-16T21:47:41.461Z"}

{"level":"info","message":"verifyRole - Role invalide","timestamp":"2024-11-16T21:47:41.466Z"}

{"level":"info","message":"POST /v1/products - Valeurs manquantes","timestamp":"2024-11-16T21:47:41.473Z"}

{"level":"info","message":"POST /v1/products - Titre Invalide","timestamp":"2024-11-16T21:47:41.478Z"}

{"level":"info","message":"POST /v1/products - Prix Invalide","timestamp":"2024-11-16T21:47:41.482Z"}

{"level":"info","message":"POST /v1/products - Quantité invalide","timestamp":"2024-11-16T21:47:41.487Z"}

{"level":"info","message":"PUT /v1/products/673912fd07a59ba4d396db6c - putProduct","timestamp":"2024-11-16T21:47:41.531Z"}

{"level":"info","message":"PUT /v1/products/673912fd07a59ba4d396db6c - Valeurs manquantes","timestamp":"2024-11-16T21:47:41.565Z"}

{"level":"info","message":"PUT /v1/products/Test - Produit inexistant","timestamp":"2024-11-16T21:47:41.588Z"}

{"level":"info","message":"DELETE /v1/products673912fd07a59ba4d396db6c - deleteProducts","timestamp":"2024-11-16T21:47:41.639Z"}

{"level":"info","message":"verifyRole - Role invalide","timestamp":"2024-11-16T21:47:41.666Z"}

{"level":"info","message":"DELETE /v1/productsTest - Produit inexistant","timestamp":"2024-11-16T21:47:41.690Z"}

{"level":"info","message":"POST /v1/products - Valeurs manquantes","timestamp":"2024-11-16T21:47:41.695Z"}

PASS tests/test.ts

GET /

√ should return status code 200 (30 ms)

POST /v1/users/register

√ should return status code 201 (137 ms)

POST /v1/users/login

√ should return status code 200 (75 ms)

GET /v2/products sucess

√ should return status code 200 (159 ms)

√ should return status code 200 with sorted values (25 ms)

GET /v2/products fail

√ should return status code 403 with no token (4 ms)

√ should return status code 401 with invalid token (4 ms)

POST /v2/products sucess

√ should return status code 201 (30 ms)

POST /v2/products fail

√ should return status code 401 with invalid Role (5 ms)

√ should return status code 400 with missing values (6 ms)

√ should return status code 400 with title too short (4 ms)

√ should return status code 400 with invalid price (5 ms)

√ should return status code 400 with invalid count (5 ms)

PUT /v2/products/:id sucess

√ should return status code 200 (46 ms)

PUT /v2/products/:id fail

√ should return status code 400 with missing values (31 ms)

√ should return status code 404 with product not existing (22 ms)

DELETE /v2/products/:id sucess

√ should return status code 204 (51 ms)

DELETE /v2/products/:id fail

√ should return status code 401 with wrong role (32 ms)

√ should return status code 404 with product not existing (18 ms)

SQL injections test

√ should resist attack (4 ms)

Test Suites: 1 passed, 1 total

Tests: 20 passed, 20 total

Snapshots: 0 total

Time: 4.647 s

## Test de performance :

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Summary report @ 16:58:56(-0500)

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http.codes.201: ................................................................ 600

http.downloaded\_bytes: ......................................................... 13800

http.request\_rate: ............................................................. 10/sec

http.requests: ................................................................. 600

http.response\_time:

min: ......................................................................... 62

max: ......................................................................... 204

mean: ........................................................................ 85.6

median: ...................................................................... 80.6

p95: ......................................................................... 117.9

p99: ......................................................................... 135.7

http.response\_time.2xx:

min: ......................................................................... 62

max: ......................................................................... 204

mean: ........................................................................ 85.6

median: ...................................................................... 80.6

p95: ......................................................................... 117.9

p99: ......................................................................... 135.7

http.responses: ................................................................ 600

vusers.completed: .............................................................. 600

vusers.created: ................................................................ 600

vusers.created\_by\_name.0: ...................................................... 600

vusers.failed: ................................................................. 0

vusers.session\_length:

min: ......................................................................... 63.9

max: ......................................................................... 204.8

mean: ........................................................................ 88

median: ...................................................................... 83.9

p95: ......................................................................... 122.7

p99: ......................................................................... 141.2