

# Backend Testing Checklist

How to remember testing the important things? Focus on requirements first. On top of this, use this checklist as a reminder for known cases and outcomes

## API Response

Check the following

- ☐ HTTP status
- ☐ HTTP body fields data
- ☐ HTTP body schema
- ☐ Conforms to docs (e.g., OpenAPI)

## State (DB)

Check the following, preferably through API

- ☐ Records were saved/modified
- ☐ On failure, records were NOT saved
- ☐ None-relevant records are not modified
- ☐ Migration succeeded

## Observability And Errors

Check the following, these are public outcomes

- ☐ Specific error was logged
- ☐ Error was sent to monitoring
- ☐ Error name/code is correct
- ☐ HTTP response status
- ☐ Process did/not exit

## Integrations

Check the following using a stub/mock/nock

- ☐ External service returns != 200
- ☐ External service is not responding
- ☐ A call to external service is well-formed
- ☐ External service responds slowly

## Security

Check the following basic security hygiene

- ☐ Insufficient claims yield 401 return
- ☐ Tenant-A can't see tenant-B data
- ☐ A role can't do more than allowed
- ☐ Expired claims yield 401

## Message Queues

Check the following unique MQ cases

- ☐ A message is published to a queue
- ☐ Received message is ACK/NACK (delete)
- ☐ Processing duplication is idempotency
- ☐ Received poisoned message is rejected
- ☐ Retry occurs on failure

Learn more at nodeconf testing workshop

[www.nodeconfremote.com](http://www.nodeconfremote.com)

