Test Results Report

This report summarizes the execution of test cases for the PizzaDronz system. The testing process aims to verify the correctness, robustness, and efficiency of different system components, including API endpoints, order validation, pathfinding algorithms, and combinatorial logic.
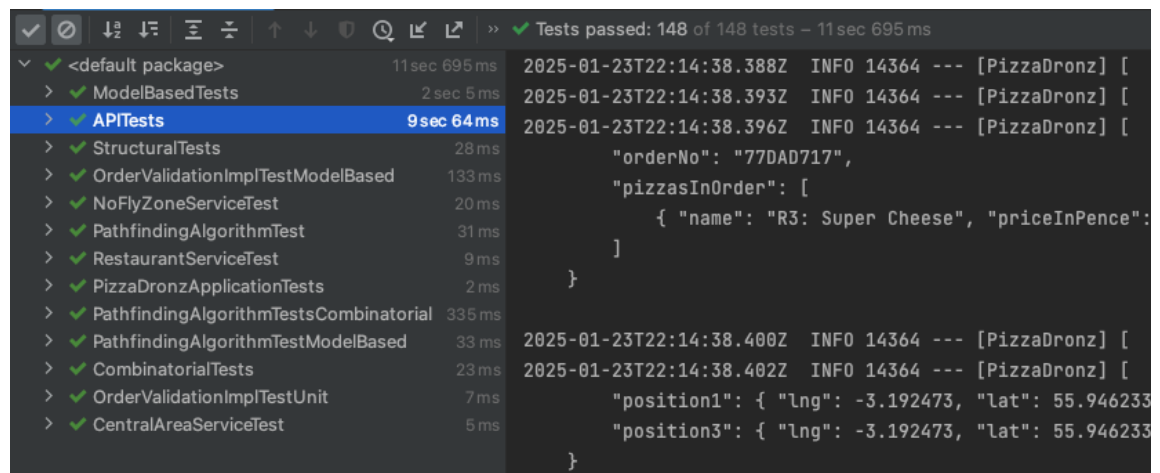
Summary of test cases executed
Test files can be found in
https://github.com/ediithhh/SoftwareTesting/tree/main/src/test/java/uk/ac/ed/inf
- Total tests executed: 147
- Tests passed: 147
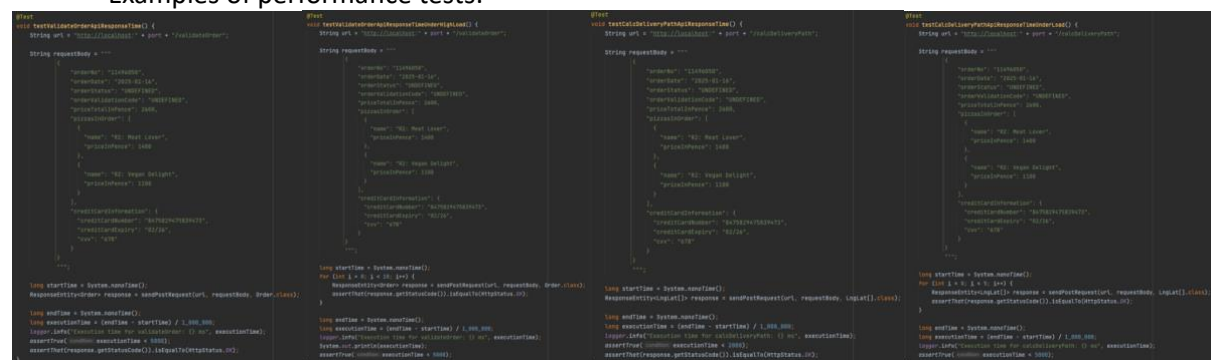
Test Category	Number of Tests	Passed tests
Unit Tests	40	40/40
Combinatorial Tests	20	20/20
Model-Based Tests	32	32/32
Structural Tests	13	13/13
API Tests	42	42/42

- Test completion time: 11sec 695ms

Performance tests:
Examples of performance tests:
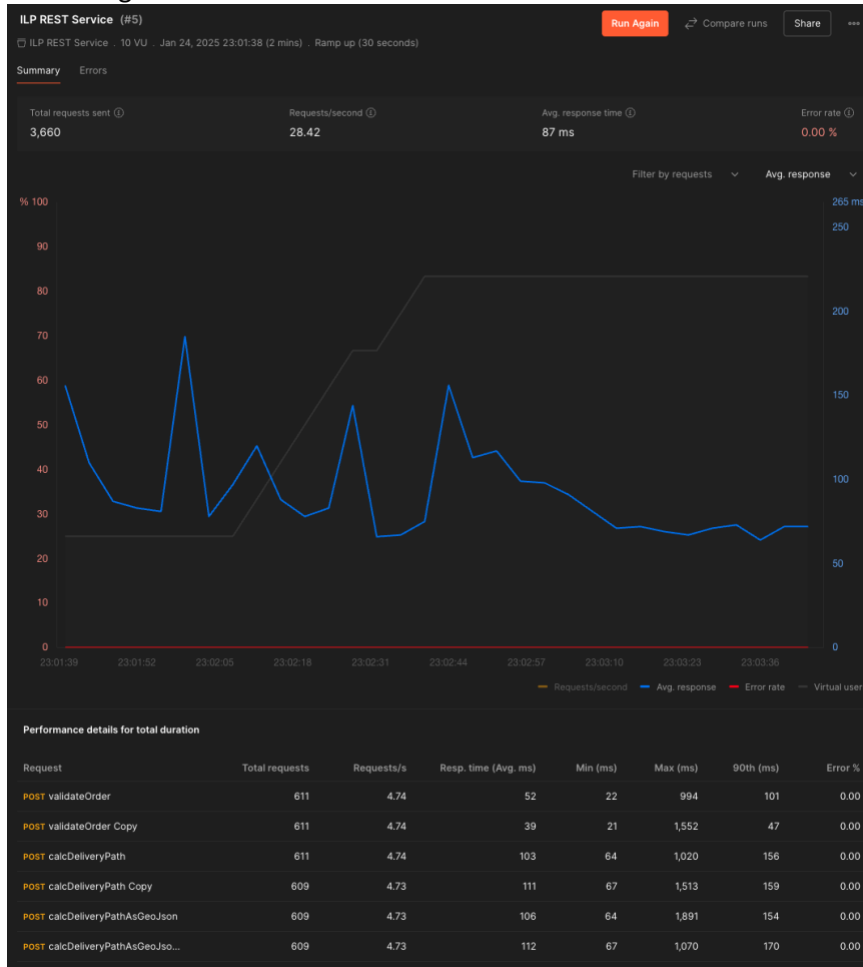

Test log for execution time of calcDeliveryPath:

Test logs can be found in https://github.com/ediithhh/SoftwareTesting/blob/main/logs/test.log

Simulating 10 concurrent users on Postman:

Code Coverage Report
- Overall code coverage:
  - Classes covered: 95% (20/21)
  - Methods covered: 96% (107/111)
  - Lines covered: 92% (410/444)