

# Test Results

## Order Validation Test Results

Test Results	17 ms
uk.ac.ed.inf.OrderValidationTest	17 ms
testStringExpiryDateMonthInt	10 ms
testPizzaFromMultipleRestaurants	0 ms
testValidOrder	2 ms
testCardNumberNull	0 ms
testCardNumberWithStrings	0 ms
testShortCardNumber	1 ms
testLongCardNumber	0 ms
testShortExpiryDate	0 ms
testExpiryDateFormat	1 ms
testExpiredExpiryDateMonth	0 ms
testExpiredExpiryDateYear	0 ms
testStringExpiryDateYear	0 ms
testShortCvv	0 ms
testLongCvv	0 ms
testStringCvv	0 ms
testPizzaNotOnMenus	0 ms
testTooManyPizzas	0 ms
testNoPizzas	0 ms
testNoRestaurants	2 ms
testSecondPizzaNotOnMenus	1 ms
testRestaurantClosed	0 ms
testTotalIncorrect	0 ms

## Path Finder Functional and Combinatorial Test Results

Test Results	17 ms
uk.ac.ed.inf.LngLatHandlerTest	17 ms
testDistanceTo	9 ms
testIsCloseTo	0 ms
testIsNotCloseTo	1 ms
testIsInCentralArea	0 ms
testIsOutCentralArea	1 ms
testIsInRegion	0 ms
testIsInRegionEdge	0 ms
testIsInRegionCorner	0 ms
testIsInRegionTriangle	0 ms
testIsInRegionTriangleEdge	1 ms
testIsOutRegionTriangle	0 ms
testIsInRegionPentagon	1 ms
testIsInRegionPentagonEdge	1 ms
testIsInRegionHexagon	0 ms
testIsInRegionHexagonEdge	0 ms
testIsOutOfRegion	0 ms
testNextPosition	1 ms
testIsInRegionTriangleCorner	2 ms
testIsInRegionPentagonCorner	0 ms
testIsInRegionHexagonCorner	0 ms

### Path Finder Manual Tests Results

Across No Fly Zone	Passed
From Restaurant to Central Area	Passed
From Central Area to Appleton	Passed
Start in No-Fly Zone	Passed
End in No-Fly Zone	Passed

### Rest API Integration Test Results

✓ Test Results	5 sec 817 ms
✓ uk.ac.ed.inf.GetClientTest	5 sec 817 ms
✓ testGetFromRest	3 sec 640 ms
✓ testGetFromRestBackslash	1 sec 462 ms
✓ testShortArgs	18 ms
✓ testInvalidDate	693 ms
✓ testInvalidURL	4 ms

### System Test Results

Date	Pass/Fail
2023-11-11	Passed
2023-11-12	Passed
2023-11-13	Passed
2023-11-14	Passed
2023-11-15	Passed
2023-11-16	Passed
2023-11-17	Passed
2023-11-18	Passed
2023-11-19	Passed
2023-11-20	Passed

### Performance Test Results

Date	Time taken to run (s)	Pass/Fail
2023-11-11	6.824	Passed
2023-11-12	6.673	Passed
2023-11-13	6.630	Passed
2023-11-14	6.635	Passed
2023-11-15	7.491	Passed
2023-11-16	7.578	Passed
2023-11-17	6.498	Passed
2023-11-18	6.523	Passed
2023-11-19	6.620	Passed
2023-11-20	6.571	Passed

### Branch Coverage

uk.ac.ed.inf	42% (3/7)	35% (12/34)	44% (192/436)	55% (98/178)
GetClient	100% (1/1)	100% (6/6)	83% (31/37)	100% (4/4)
LngLatHandler	100% (1/1)	100% (5/5)	90% (40/44)	75% (27/36)
Node	0% (0/1)	0% (0/11)	0% (0/16)	100% (0/0)
OrderController	0% (0/1)	0% (0/1)	0% (0/91)	0% (0/8)
OrderValidation	100% (1/1)	50% (1/2)	99% (121/122)	93% (67/72)
PathFinder	0% (0/1)	0% (0/8)	0% (0/117)	0% (0/58)
WriteToFile	0% (0/1)	0% (0/1)	0% (0/9)	100% (0/0)

Ones with zero were where I didn't intend for full coverage and therefore didn't test for it.