

Advanced Programming Feedback

Assignment 1: Airline Scheduling System

Results

Section	Tests Failed	Tests Passed
Aircraft	2	14
Crew	2	15
Passenger Numbers	0	8
Route	4	13
Scheduler	1	0

Test Log

Running from Package. Source:

file:/D:/Marking/AdvProg/A1/InvalidSubmissions/Jack%20wen_30775265_assignsubmission_file_/AdvancedProgrammingAssessment1/bin/marker.jar

Testing Solution: .\solution

Starting Tests in section: Aircraft

Running Test: AircraftDAO Data Loading Test

Result: PASS

Running Test: AircraftDAO Presence Test

Result: PASS

Running Test: AircraftDAO Data Correctness Test

Result: PASS

Running Test: AircraftDAO Find Aircraft By Seats Test

Result: PASS

Running Test: AircraftDAO Find Aircraft By Starting Position Test

Result: PASS

Running Test: AircraftDAO Find Aircraft By Tailcode Test

Result: PASS

Running Test: AircraftDAO Find Aircraft By Type Test

Result: PASS

Running Test: AircraftDAO Number of Aircraft Test

Result: PASS

Running Test: AircraftDAO Nonexistent Path Test

Result: PASS

Running Test: AircraftDAO Null Path Test

Result: FAIL

Reason: The test failed because the wrong type of exception was thrown when asking the AircraftDAO to load null: java.lang.NullPointerException

This failed test has a severity of: Minor

Running Test: AircraftDAO Malformed Data Test 1

Result: PASS

Running Test: AircraftDAO Malformed Data Test 3

Result: PASS

Running Test: AircraftDAO Malformed Data Test 2

Result: PASS

Running Test: AircraftDAO Multiple Load Test

Result: PASS

Running Test: AircraftDAO List Removal Test

Result: FAIL

Reason: The test failed because removing an aircraft from the list returned by getAllAircraft() made the DAO forget about it, too.

This failed test has a severity of: Minor

Running Test: AircraftDAO Reset Test

Result: PASS

Starting Tests in section: Crew

Running Test: CrewDAO Loading Test

Result: PASS

Running Test: CrewDAO Presence Test

Result: PASS

Running Test: CrewDAO Data Correctness Test

Result: PASS

Running Test: CrewDAO Find Cabin Crew By Home Base & Type Rating Test

Result: PASS

Running Test: CrewDAO Find Cabin Crew By Home Base Test

Result: PASS

Running Test: CrewDAO Find Cabin Crew By Type Rating Test

Result: PASS

Running Test: CrewDAO Find Pilots By Home Base & Type Rating Test

Result: PASS

Running Test: CrewDAO Find Pilots By Home Base Test

Result: PASS

Running Test: CrewDAO Find Pilots By Type Rating Test

Result: PASS

Running Test: CrewDAO Nonexistent Path Test

Result: PASS

Running Test: CrewDAO Null Path Test

Result: FAIL

Reason: The test failed because the wrong type of exception was thrown when asking the CrewDAO to load null:
java.lang.NullPointerException

This failed test has a severity of: Minor

Running Test: CrewDAO Malformed Data Test 1

Result: PASS

Running Test: CrewDAO Malformed Data Test 2

Result: PASS

Running Test: CrewDAO Malformed Data Test 3

Result: PASS

Running Test: CrewDAO Multiple Load Test

Result: PASS

Running Test: CrewDAO List Removal Test

Result: FAIL

Reason: The test failed because removing a pilot from the list returned by getAllPilots() made the DAO forget

about it, too.

This failed test has a severity of: Minor

Running Test: CrewDAO Reset Test

Result: PASS

Starting Tests in section: Passenger Numbers

Running Test: PassengerNumbersDAO Loading Test

Result: PASS

Running Test: PassengerNumbersDAO Presence Test

Result: PASS

Running Test: PassengerNumbersDAO Non-Existant Flight Test

Result: PASS

Running Test: PassengerNumbersDAO Nonexistent Path Test

Result: PASS

Running Test: PassengerNumbersDAO Nonexistent Path Test

Result: PASS

Running Test: PassengerNumbersDAO Multiple Load Test

Result: PASS

Running Test: PassengerNumbersDAO Reset Test

Result: PASS

Running Test: PassengerNumbersDAO Malformed Data Test

Result: PASS

Starting Tests in section: Route

Running Test: RouteDAO Loading Test

Result: PASS

Running Test: RoutesDAO Presence Test

Result: PASS

Running Test: RouteDAO Data Correctness Test

Result: PASS

Running Test: RouteDAO Find Routes By Date Test

Result: PASS

Running Test: RouteDAO Find Routes By Day-Of-Week Test

Result: PASS

Running Test: RouteDAO Find Routes By Departure Airport & Day Test

Result: PASS

Running Test: RouteDAO Find Routes By Departure Airport Test

Result: PASS

Running Test: RouteDAO Nonexistent Path Test

Result: PASS

Running Test: RouteDAO Null Path Test

Result: PASS

Running Test: RouteDAO Malformed Data Test 1

Result: PASS

Running Test: RouteDAO Malformed Data Test 2

Result: FAIL

Reason: The test failed because the wrong type of exception was thrown when loading a malformed XML file (wrong tag name) java.lang.NullPointerException

This failed test has a severity of: Minor

Running Test: RouteDAO Malformed Data Test 3

Result: FAIL

Reason: Loading a malformed XML file (invalid Day of the week) did not raise a DataLoadingException

This failed test has a severity of: Minor

Running Test: RouteDAO Malformed Data Test 4

Result: FAIL

Reason: The test failed because the wrong type of exception was thrown when loading a malformed XML file (invalid duration) java.time.format.DateTimeParseException: Text cannot be parsed to a Duration

This failed test has a severity of: Minor

Running Test: RouteDAO Malformed Data Test 5

Result: PASS

Running Test: RouteDAO Multiple Load Test

Result: PASS

Running Test: RouteDAO List Removal Test

Result: FAIL

Reason: The test failed because removing a route from the list returned by getAllRoutes() made the DAO forget

about it, too.

This failed test has a severity of: Minor

Running Test: RouteDAO Reset Test

Result: PASS

Starting Tests in section: Scheduler

Running Test: Schedule Generation Test

Result: FAIL

Reason: The test failed because the generated schedule did not contain 32 flights, as expected

This failed test has a severity of: Critical

Because this is a critical failure, the tester skips the rest of the section and this solution is ineligible for the scheduling competition

Done Testing

Scheduling Competition

Because this solution is not eligible for the competition, no competition run was completed.