**DIT636 / DAT560 - Partial Solution for Exercise 2**

This solution omits some aspects, such as international vs domestic transfer times, but can help if you get stuck on this exercise.

**Parameter: FlightA**

Choice: Flight code:

* Malformed (string that does not follow stated formatting convention) [error]
* not in database [error] (Note: I assumed here that there was a flight database too. State any assumptions you make in your answer.)
* valid

Choice: Originating airport code:

* malformed (not a three-letter string) [error]
* not in database [error]
* valid city

Choice: Scheduled departure time:

* malformed (not following formatting convention) [error]
* out of legal range (not a valid time) [error]
* legal

Choice: Destination airport (transfer airport - where connection takes place):

* malformed (not a three-letter string) [error]
* not in database [error]
* valid city

Choice: Scheduled arrival time (tA):

* malformed (not following formatting convention) [error]
* out of legal range (not a valid time) [error]
* legal

**Parameter: FlightB**

Choice: Flight code:

* Malformed (string that does not follow stated formatting convention) [error]
* not in database [error]
* valid

Choice: Originating airport code:

* Malformed (not a three-letter string) [error]
* not in database [error]
* differs from transfer airport [error]
* same as transfer airport

Choice: Scheduled departure time:

* malformed (not following formatting convention) [error]
* out of legal range (not a valid time) [error]
* before arriving flight time (tA) [error]
* between tA and tA + minimum connection time (CT) [error]
* equal to tA + CT [single]
* greater than tA + CT

Choice: Destination airport code:

* malformed (not a three-letter string) [error]
* not in database [error]
* valid city

Choice: Scheduled arrival time:

* malformed (not following formatting convention) [error]
* out of legal range (not a valid time) [error]
* legal

**Parameter: Database record**

This parameter refers to the database record corresponding to the transfer airport.

Choice: Airport code:

* Malformed (not a three-letter string) [error]
* blank [error]
* valid

Choice: Airport country:

* Malformed (non-string) [error]
* blank [error]
* Invalid (not a country) [error]
* valid

Choice: Minimum connection time:

* malformed (not following formatting convention) [error]
* blank [error]
* > 0 [error]
* 0 [single]
* valid