**Java Air Test Design Specification**

TDS\_1\_v1.1

# **Test design specification identifier**

This is Java Air Test Design Specification Version 1.1, in short identified as ‘TDS\_1\_v1.1’.

This specification is defined in STD\_Plan\_1.1.

# **Features to be tested**

This design specification is to test the following features:

* Memory Constraints, as defined in Section 2.1.6 in SRS v4.2.
* New User Account Registration Use Case, as defined in Section 2.2.1 in SRS v4.2.
* User Account Login / Logout Use Case, as defined in Section 2.2.2 in SRS v4.2.
* User Password Reset Use Case, as defined in Section 2.2.3 in SRS v4.2.
* Flight Search Use Case, as defined in Section 2.2.5 in SRS v4.2.
* Flight Reservation Use Case, as defined in Section 2.2.6 in SRS v4.2.
* Reservation Look-up Use Case, as defined in Section 2.2.7 in SRS v4.2.
* Flight Check-In Use Case, as defined in Section 2.2.8 in SRS v4.2.
* Flight Status Look-up Use Case, as defined in Section 2.2.9 in SRS v4.2.
* Employee Login/Logout Use Case, as defined in Section 2.2.10 in SRS v4.2.
* Reservation Cancellation Use Case, as defined in Section 2.2.11 in SRS v4.2.
* Flight Information / Information Update Use Case, as defined in Section 2.2.12 in SRS v4.2.
* Maintenance Working Tasks Use Case, as defined in Section 2.2.13 in SRS v4.2.
* Attributes of Forms, as defined in Section 3.2.1.1 in SRS v4.2.
* Attributes of Customers, as defined in Section 3.2.2.1 in SRS v4.2.
* Attributes of Flights, as defined in Section 3.2.3.1. In SRS v4.2.
* Attributes of Reservations, as defined in Section 3.2.4.1. In SRS v4.2.
* Attributes of Aircraft, as defined in Section 3.2.6.1. In SRS v4.2.
* Attributes of Passenger, as defined in Section 3.2.7.1. In SRS v4.2.
* Attributes of Flight Status, as defined by Section 2.2.9 in SRS v4.2
* User account information update, as defined by Section 2.2.3 in SRS v4.2

# **Approach refinements**

The tests defined in this document shall be executed manually. The output shall be visually inspected and compared to the expected values.

# **Test identification**

The following test cases are included in this design:

* TCS\_JA\_Storage\_v1.0
* TCS\_JA\_Registration\_v1.01
* TCS\_JA\_User\_Login\_Logout\_v1.1
* TCS\_JA\_PassReset\_v1.1
* TCS\_JA\_FlightSearch\_v1.1
* TCS\_JA\_FlightReservation\_v1.1
* TCS\_JA\_ReservationLookup\_v1.1
* TCS\_JA\_FlightCheckin\_v1.1
* TCS\_JA\_Employee\_Login\_Logout\_v1.0
* TCS\_JA\_ReservationCancel\_v1.0
* TCS\_JA\_FlightUpdate\_v1.0
* TCS\_JA\_MaintenanceWork\_v1.0
* TCS\_JA\_Forms\_v1.0
* TCS\_JA\_Attr\_Cust\_v1.0
* TCS\_JA\_Attr\_Flight\_v1.0
* TCS\_JA\_Attr\_Reservation\_v1.0
* TCS\_JA\_Attr\_Aircraft\_v1.0
* TCS\_JA\_Attr\_Passenger\_v1.0
* TCS\_JA\_Attr\_Status\_v.1.0
* TCS\_JA\_User\_Update\_v1.1

# **Feature pass/fail criteria**

The feature shall pass all test cases by taking the defined input and generate the expected output. Any different output than the expected shall result in test failures. Test cases that fail final launch, will be considered non conformances.