1. Functional Requirements

1.1 Profile Subsystem

1.1.1 Administrator Side

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| 1. Test of administrator side | |
| Actions | A. Create a staff profile  B. The user name is same with an existing one when creating  C. Modify a staff profile  D. The user name is same with an existing one when changing  E. Remove a staff profile  F. On occurrence of any exception during the action |
| Expected Result | A. Successfully create a staff profile  B. Point out the error and doesn’t produce a new staff profile  C. Successfully modify a staff profile  D. Point out the error and doesn’t change the profile  E. Successfully remove a staff profile  F. Cancel the action and doesn’t change any thing |
| Pass/Fail | Pass |
| Observation（if any） |  |

1.1.2 User Side

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| 2. Test of user side | |
| Actions | A. Create a user profile  B. The user name is same with an existing one when creating  C. Enter the correct user name and password to login  D. Enter the wrong user name and password to login  E. When login to the user side  F. Modify the details of profile  G. Change the password  H. The new password is same with old one when change the password  I. Remove the profile  J. On occurrence of any exception during the action |
| Expected Result | A. The user profile has been created successfully  B. Point out the error and doesn’t produce a new user profile  C. Login the system Successfully  D. Can not login the system  E. Includes the domain specific options: Make a Booking, Modify Services for Existing Booking, Cancel a Booking, Change Password, Modify Profile, Remove Profile, Request Statistical Report  F. Successfully modify a user profile  G. Successfully change the user password  H. Point out the error and let user input a new password  I. Successfully remove the user profile  J. Cancel the action and doesn’t change any thing |
| Pass/Fail | Pass |
| Observation（if any） |  |

1.1.3 Profile manager slide

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| 3. Test of profile manager side | |
| Actions | A. When login to the profile manager side  B. Remove the profile  C. Change the profile  D. On occurrence of any exception during the action |
| Expected Result | A. Includes the domain specific options: Modify Profile, Remove Profile  B. Successfully remove the user profile  C. Successfully change the user profile  D. Cancel the action and doesn’t change any thing |
| Pass/Fail | Pass |
| Observation（if any） |  |

1.2 Reservation Subsystem

1.2.1 Reservation Manager and Staff Side

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| 4. Test of reservation manager and staff side | |
| Actions | A. When login to the reservation manager and staff side  B. Transfer a customer from one flight to another  C. The flight seats are not enough  D. Modify customer seat selection  E. The seats has been occupied by another one  F. Set ticket pricing of a flight  G. On occurrence of any exception during the modification |
| Expected Result | A. Includes the domain specific options: Flight Transfer, Modify Customer Seat Selection  B. Successfully transfer the flight  C. Point out the error and the flight doesn’t be changed  D. Successfully modify the seat selection  E. Point out the error and the seat selection doesn’t be changed  F. Successfully set the price  G. Cancel the modification and the flight doesn’t be changed |
| Pass/Fail | Pass |
| Observation（if any） |  |

1.2.2 Booking Process

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| 5. Test of user to make a booking | |
| Actions | A. The user selects the flight and book it.  B. On occurrence of any exception during the booking  C. The flight seats are not enough  D. Customer no fly status is set to “No Fly”  E. Customer passport holder status is set to false  F. The user views the booking summary  G. The user selects in-flight services for a flight  H. Modify in-flight services for existing booking  I. The user selects the flight and cancel it |
| Expected Result | A. Successfully book the flight  B. Cancel the booking and the details don’t be recorded  C. Point out the error and the details don’t be recorded  D. Point out the error and the details don’t be recorded  E. Point out the error and the details don’t be recorded  F. Successfully display a booking summary to the user  G. Successfully select services  H. Successfully modify services  I. Display warning and cancellation fee, successfully cancel the flight |
| Pass/Fail | Pass |
| Observation（if any） |  |

1.2.3 Flight Manager Side

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| 6. Test of flight manager side | |
| Actions | A. Modify details of routes  B. Modify records  C. Modify the airlines fleet of aircraft  D. Modify the flight schedule  E. On occurrence of any exception during the modification |
| Expected Result | A. Successfully modify details of routes: origin, destination, codeshare, number of stops  B. Successfully modify records: Airport Id Number,  Airport Name, City, Country, IATA Code, Latitude, Longitude, Altitude, Time Zone, DST, TZ Database Time Zone  C. Successfully modify the airlines fleet of aircraft: Aircraft Name, Total in Service, First Class Seats Available, Business Class Seats Available, Premium Economy Seats Available, Economy Class Seats Available, Total Seats Available  D. Successfully modify the airlines fleet of aircraft: Aircraft Name, Total in Service, First Class Seats Available, Business Class Seats Available, Premium Economy Seats Available, Economy Class Seats Available, Total Seats Available  E. Cancel the modification and the details don’t be recorded |
| Pass/Fail | Pass |
| Observation（if any） |  |

1.3 Services Subsystem

1.3.1 Services Manager Side

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| 7. Test of services manager side | |
| Actions | A. When login to the services manager side  B. Modify the in-flight services available for purchase from the airline  C. On occurrence of any exception during the modification |
| Expected Result | A. Includes the domain specific options: Modify Services  B. Successfully modify the in-flight services  C. Cancel the modification and the details don’t be recorded |
| Pass/Fail | Pass |
| Observation（if any） |  |

1.4 Reporting Subsystem

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| 8. Test of user to request statistical report | |
| Actions | A. The user requests the statistical report  B. On occurrence of any exception during the request |
| Expected Result | A. Successfully request statistical report  B. Cancel the request and the report doesn’t be produced |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 9. Test of reporting system | |
| Actions | A. The reporting manager login to the system  B. Display reports relating to (daily/monthly/annual) airline revenue  C. Display reports relating to (daily/monthly/annual) service popularity  D. Display reports relating to (daily/monthly/annual) route popularity  E. Display reports relating to user (customer/travel agent) statistics and historical data  F. On occurrence of any exception during the request |
| Expected Result | A. Includes the domain specific options: Request Revenue Report, Request Popular Services Report, Request Popular Route Report  B. Successfully request report  C. Successfully display the service popularity  D. Successfully display the route popularity  E. Successfully display the statistics and historical data  F. Cancel the request and the report doesn’t be produced |
| Pass/Fail | Pass |
| Observation（if any） |  |