1. Functional Requirements

1.1 Profile Subsystem

1.1.1 Administrator Side

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| 1. Test of administrator to create staff profiles (Manager) | |
| Actions | A. Create a manager profile  B. On occurrence of any exception during the creation  C. The user name is same with an existing one |
| Expected Result | A. The manager profile is created successfully  B. Cancel the creation and doesn’t produce a new manager profile  C. Point out the error and doesn’t produce a new manager profile |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 2. Test of administrator to create staff profiles (Normal Staff) | |
| Actions | A. Create a normal staff profile  B. On occurrence of any exception during the creation  C. The user name is same with an existing one |
| Expected Result | A. The normal staff profile has been created successfully  B. Cancel the creation and doesn’t produce a new normal staff profile  C. Point out the error and doesn’t produce a new normal staff profile |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 3. Test of administrator to modify staff profiles (Manager) | |
| Actions | A. Modify a manager profile  B. On occurrence of any exception during the modification  C. The user name is same with an existing one |
| Expected Result | A. Successfully modify a manager profile  B. Cancel the modification and the profile doesn’t be changed  C. Point out the error and doesn’t change the profile |
| Pass/Fail |  |
| Observation（if any） |  |

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| 4. Test of administrator to modify staff profiles (Normal Staff) | |
| Actions | A. Modify a normal staff profile  B. On occurrence of any exception during the modification  C. The user name is same with an existing one |
| Expected Result | A. Successfully modify a normal staff profile  B. Cancel the modification and the profile doesn’t be changed  C. Point out the error and doesn’t change the profile |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 5. Test of administrator to remove staff profiles (Manager) | |
| Actions | A. Remove a manager profile  B. On occurrence of any exception during the removing |
| Expected Result | A. Successfully remove a manager profile  B. Cancel the modification and the profile doesn’t be removed |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 6. Test of administrator to remove staff profiles (Normal Staff) | |
| Actions | A. Remove a normal staff profile  B. On occurrence of any exception during the removing |
| Expected Result | A. Successfully remove a normal staff profile  B. Cancel the modification and the profile doesn’t be removed |
| Pass/Fail | Pass |
| Observation（if any） |  |

1.1.2 User Side

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| 7. Test of user to create profile | |
| Actions | A. Create a user profile  B. On occurrence of any exception during the creation\  C. The user name is same with an existing one |
| Expected Result | A. The user profile has been created successfully  B. Cancel the creation and doesn’t produce a new user profile  C. Point out the error and doesn’t produce a new user profile |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 8. Test of user to modify the profile | |
| Actions | A. Modify the details of profile  B. On occurrence of any exception during the modification |
| Expected Result | 1. Successfully modify a user profile   B. Cancel the modification and the profile doesn’t be changed |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 9. Test of user to change the password | |
| Actions | 1. Change the password   B. On occurrence of any exception during the modification  C. The new password is same with old one |
| Expected Result | A. Successfully change the user password  B. Cancel the modification and the password doesn’t be changed  C. Point out the error and let user input a new password |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 10. Test of user to remove their existing profile | |
| Actions | 1. Remove the profile   B. On occurrence of any exception during the removing |
| Expected Result | A. Successfully remove the user profile  B. Cancel the modification and the profile doesn’t be removed |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 11. Test of login | |
| Actions | A. Enter the correct user name and password  B. Enter the wrong user name and password |
| Expected Result | A. Login the system Successfully  B. Can not login the system |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| --- | --- |
| 12. Test of checking the user can see domain specific options at the command line upon login to the system | |
| Actions | A. The user login to the system |
| Expected Result | A. 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 |
| Pass/Fail | Pass |
| Observation（if any） |  |

1.1.3 Profile manager slide

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| 13. Test of profile manager to remove user profile | |
| Actions | A. Remove the profile  B. On occurrence of any exception during the removing |
| Expected Result | A. Successfully remove the user profile  B. Cancel the modification and the profile doesn’t be removed |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 14. Test of profile manager to change the no fly status of a profile | |
| Actions | A. Change the profile  B. On occurrence of any exception during the modification |
| Expected Result | A. Successfully change the user profile  B. Cancel the modification and the profile doesn’t be changed |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| --- | --- |
| 15. Test of checking the profile manager can see domain specific options at the command line upon login to the system | |
| Actions | A. The profile manager login to the system |
| Expected Result | A. Includes the domain specific options: Modify Profile, Remove Profile |
| Pass/Fail | Pass |
| Observation（if any） |  |

1.2 Reservation Subsystem

1.2.1 Reservation Manager and Staff Side

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| 16. Test of reservation manager to transfer a customer from one flight to another | |
| Actions | A. Transfer the flight  B. On occurrence of any exception during the modification  C. The flight seats are not enough |
| Expected Result | A. Successfully transfer the flight  B. Cancel the modification and the flight doesn’t be changed  C. Point out the error and the flight doesn’t be changed |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 17. Test of reservation manager to modify customer seat selection | |
| Actions | A. Modify the seat selection  B. On occurrence of any exception during the modification  C. The seats has been occupied by another one |
| Expected Result | A. Successfully modify the seat selection  B. Cancel the modification and the seat selection doesn’t be changed  C. Point out the error and the seat selection doesn’t be changed |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 18. Test of reservation staff to transfer a customer from one flight to another | |
| Actions | A. Transfer the flight  B. On occurrence of any exception during the modification  C. The flight seats are not enough |
| Expected Result | A. Successfully transfer the flight  B. Cancel the modification and the flight doesn’t be changed  C. Point out the error and the flight doesn’t be changed |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 19. Test of reservation staff to transfer a customer from one flight to another | |
| Actions | A. Transfer the flight  B. On occurrence of any exception during the modification  C. The flight seats are not enough |
| Expected Result | A. Successfully transfer the flight  B. Cancel the modification and the flight doesn’t be changed  C. Point out the error and the flight doesn’t be changed |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 20. Test of reservation manager to set ticket pricing of all flights | |
| Actions | A. Set ticket pricing of a flight  B. On occurrence of any exception during the setting |
| Expected Result | A. Successfully modify the seat selection  B. Cancel the setting and the price doesn’t be recorded |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 21. Test of checking the reservation staff can see domain specific options at the command line upon login to the system | |
| Actions | A. The profile manager login to the system |
| Expected Result | A. Includes the domain specific options: Flight Transfer, Modify Customer Seat Selection |
| Pass/Fail | Pass |
| Observation（if any） |  |

1.2.2 Booking Process

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| 22. 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 |
| 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 |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 23. Test of display a booking summary to the user | |
| Actions | A. The user views the booking summary.  B. On occurrence of any exception during the action |
| Expected Result | A. Successfully display a booking summary to the user  B. Cancel the action and the details don’t be displayed |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 24. Test of user to view and select in-flight services | |
| Actions | A. The user selects in-flight services for a flight.  B. On occurrence of any exception during the viewing |
| Expected Result | A. Successfully select services  B. Cancel the modification and the details don’t be recorded |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 25. Test of user to modify in-flight services for existing booking | |
| Actions | A. Modify in-flight services for existing booking.  B. On occurrence of any exception during the modification |
| Expected Result | A. Successfully modify services  B. Cancel the modification and the details don’t be recorded |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 26. Test of user to cancel an existing booking | |
| Actions | A. The user selects the flight and cancel it.  B. On occurrence of any exception during the modification |
| Expected Result | A. Display warning and cancellation fee, successfully cancel the flight  B. Cancel the modification and the booking doesn’t be changed |
| Pass/Fail | Pass |
| Observation（if any） |  |

1.2.3 Flight Manager Side

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| 27. Test of flight manager to modify routes for the airline | |
| Actions | A. Modify details of routes.  B. On occurrence of any exception during the modification |
| Expected Result | A. Successfully modify details of routes: origin, destination, codeshare, number of stops  B. Cancel the modification and the details don’t be recorded |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 28. Test of flight manager to modify domestic and international airport records | |
| Actions | A. Modify records.  B. On occurrence of any exception during the modification |
| Expected Result | A. Successfully modify records: Airport Id Number,  Airport Name, City, Country, IATA Code, Latitude, Longitude, Altitude, Time Zone, DST, TZ Database Time Zone  B. Cancel the modification and the details don’t be recorded |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 29. Test of flight manager to modify the airlines fleet of aircraft | |
| Actions | A. Modify the airlines fleet of aircraft.  B. On occurrence of any exception during the modification |
| Expected Result | A. 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  B. Cancel the modification and the details don’t be recorded |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 30. Test of flight manager to modify the flight schedule | |
| Actions | A. Modify the flight schedule.  B. On occurrence of any exception during the modification |
| Expected Result | A. Successfully modify the flight schedule: Flight Id, Aircraft Number, Route Number, Departure Date and Time (EST), Arrival Date and Time (EST)  B. 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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| 31. Test of checking the services manager can see domain specific options at the command line upon login to the system | |
| Actions | A. The services manager login to the system |
| Expected Result | A. Includes the domain specific options: Modify Services |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 32. Test of services manager to modify the in-flight services available for purchase from the airline | |
| Actions | A. Modify the in-flight services.  B. On occurrence of any exception during the modification |
| Expected Result | A. Successfully modify the in-flight services  B. Cancel the modification and the details don’t be recorded |
| Pass/Fail | Pass |
| Observation（if any） |  |

1.4 Reporting Subsystem

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| 33. 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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| 34. Test of checking the reporting manager can see domain specific options at the command line upon login to the system | |
| Actions | A. The reporting manager login to the system |
| Expected Result | A. Includes the domain specific options: Request Revenue Report, Request Popular Services Report, Request Popular Route Report |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 35. Test of display reports relating to daily/monthly/annual airline revenue | |
| Actions | A. Display the revenue  B. On occurrence of any exception during the request |
| Expected Result | A. Successfully request report  B. Cancel the request and the report doesn’t be produced |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 36. Test of display reports relating to daily/monthly/annual service popularity | |
| Actions | A. Display the service popularity  B. On occurrence of any exception during the request |
| Expected Result | A. Successfully display the service popularity  B. Cancel the request and the report doesn’t be produced |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 37. Test of display reports relating to (daily/monthly/annual) route popularity | |
| Actions | A. Display the route popularity  B. On occurrence of any exception during the request |
| Expected Result | A. Successfully display the route popularity  B. Cancel the request and the report doesn’t be produced |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| 38. Test of display reports relating to user (customer/travel agent) statistics and historical data | |
| Actions | A. Display statistics and historical data  B. On occurrence of any exception during the request |
| Expected Result | A. Successfully display the statistics and historical data  B. Cancel the request and the report doesn’t be produced |
| Pass/Fail | Pass |
| Observation（if any） |  |

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| Actions |  |
| Expected Result |  |
| Pass/Fail |  |
| Observation（if any） |  |

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| 12. 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） |  |