



Air-ticket Reservation System

“Application Integration” Module

Functional Specification Document





1.0 DOCUMENT PURPOSE

This document illustrates the functional specification of the **Air-ticket Reservation System** (ARS) application. ARS is a system which is used to book tickets for flight. The following are the few important modules in the system

- a) Customer Registration
- b) Searching
- c) Booking
- d) Edit Profile
- e) Cancellation

This document details out the requirements for overall integrated application. This application should be accessed by administrators only.

2.0 Integrated application features

1. Application should have single login page. Login page should be the welcome page for the application.
2. Only registered customers can access the application.
3. None of the application features can be accessed without login.
4. There should be logout feature. Once logged out should come to the welcome page again or design logout page from where re-login can be done.
5. Application home page must have hyper link to access the features:
 - a) Searching
 - b) Booking
 - c) Edit Profile
 - d) Cancellation
6. At any point of time user should be able to back to homepage using home link.
7. None of the features should be accessible if session expires.
8. Logged in user should be tracked with session.
7. If after logout user clicks the back button of browser pages should not be accessible.
8. On login user credentials should be validated against the registered users in the system.
9. Log in page should have username, Password fields to receive username and password and should have login and reset button.
10. Password must be encrypted.
11. If username and password cannot be blank.
12. If the username and password not exists in the system , application should show proper error message.





3.0 Integrated application non-functional features

1. Exceptions should not be shown on console.
2. No debug message should come on console.
3. All the errors and exceptions should be logged to log file.
4. Log file path should be configurable.
5. Database connections should be configurable. Should not be hard coded.

4.0 Integrated application UI Features

1. There should be no java script alerts used. Rather it should be messages in screen.
2. There should be no horizontal scroll bar.
3. All labels text, static content text and button text should be in Arial font, color should be black..
4. All the text fields should have a consistent size.
5. The error messages should in Arial font , bold and color is red.
6. The success messages should be in green color , bold, font arial.
7. Table header should be in Arial font , bold and centre aligned.
8. Buttons text should be aligned centre.
9. There should be consistent vertical and horizontal spacing between the form controls.
10. The background color should be similar to login page.
11. Page title should be there.
12. Window title should have the name of the page title.
13. All validation and business rules violations will be displayed on the same screen.

