

# ***Airline Reservation System***

## ***Abstract***

The project entitled "Air-Line Reservation" is to provide the online Reservation of Domestic and International Flights and also provides the time schedule of all the flights.

The function booking ticket will accept the requirements of the customers and facilitates and then verifies whether the requested number of tickets for a flight can be booked or not using travel information function. If tickets are available then the requested services are provided. Eventually this function displays the appropriate flights information for selection.

When you run this project in the first page user can view the time schedules of the International and domestic flights with pairs.

In this system the user login and select the type of the flight like International or Domestic then they enters the reservation details like starting point to destination. If the seats are available for that category then it gives the conformation to the user. User can download the tickets.

## ***Existing System***

Currently, whenever a person wants to travel by air, he has to go to the booking counter to book the ticket which was a very tedious task because the person needs to enquire booking or postponing of the ticket and for that the clerk has to

search all the records present, manually one by one due to which other's would be waiting for their turn for a long time.

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## ***Proposed System***

order to eliminate the drawbacks of the existing system, a system has been developed due to which the person need not spend much time in booking, the ticket and instead server is built that takes care of every transaction thereby reducing the burden on customer and the clerk.

### **PURPOSE**

The purpose of the system, which has been developed, is to allow an end user to interact with the e-Air ticketing system which provides some basic features such as acquiring flights information, availability of accommodation in flights, booking of tickets online, preferred service class. This will also save a lot of time.

### **USER CHARACTERISTIC**

This software system can be used by those persons who have considerable knowledge in English and having a bit of experience in surfing the net.

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## ***Scope of the System***

The proposed system scope is Standalone. In future it can be enhanced to be a global communication medium.

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## ***Module Description***

The system “**AirLine Reservation** “ consists of 2 modules.

- 1. Domestic Flight**
- 2. International Flight**

### **Domestic Flight**

In Airlines Reservation system, When user clicks Domestic Flights Domestic Flights table is viewed. If user clicks International Flights, International flights table is viewed.

Administrator has to enter username, password, If username and password are not matched with the existing username, password it displays “Invalid Username and Password”, otherwise Domestic Flight booking and International Flight booking is viewed.

If Domestic Flight Booking is clicked, administrator has to enter all the details like From, to, Adults, Infants, children, Date, Economic/ Business and click “Flight Book” button. It displays another window with all the details we entered. If we have no access it displays “You have no access”. If there are no seats available it displays “sorry seats are full”.

### **International Flight**

If International Flight Booking is clicked, administrator has to enter all the details like From, to, Adults, Infants, children, Date, Economic/Business and click “Flight Book” button. It displays another window with all the details we entered. If we have no access it displays “You have no access”. If there are no seats available it displays “sorry seats are full”.

## ***Features to be implemented***

- Maintainability
- Exception handling

## ***Technologies to be used***

- **Programming Language:** Java
- **User Interface:** AWT/Swing
- **Operating System:** Windows XP/2000/2003, LINUX, Solaris
- **IDEs:** Eclipse with My Eclipse plugins/Net Beans/RAD

## ***Hardware requirements***

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|----------------------------|-------|-------------------------|
| • <i>Pentium processor</i> | ----- | <i>233 MHZ or above</i> |
| • <i>RAM Capacity</i>      | ----- | <i>128MB</i>            |
| • <i>Hard Disk</i>         | ----- | <i>20GB</i>             |
| • <i>Floppy disk</i>       | ----- | <i>1.44 MB</i>          |
| • <i>CD-ROM Drive</i>      | ----- | <i>32 HZ</i>            |
| • <i>KEYBOARD</i>          | ----- | <i>108 Standard</i>     |