

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



**Skills Based Project Report**  
**on**  
**Airline Reservation System**

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## **MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

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## **CERTIFICATE**

This is certified that **Priyanshu Kumar Singh** (0901CA211043) has submitted the project report titled **Airline Reservation System** under the mentorship of **Dr. Parul Saxena** (Assistant Professor) as the skill based mini project in 1<sup>st</sup> year of Masters of Computer Application in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior.

**Dr. Parul Saxena**  
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Computer Science and Engineering

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### **DECLARATION**

I hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the skills based mini project in 1<sup>st</sup> year of Master of Computer Application in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of **Dr. Parul Saxena**, (Assistant Professor), MITS Gwalior.

I declare that I have not submitted the matter embodied in this report anywhere else.



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1<sup>st</sup> Year,

Master of Computer Application,  
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## **ABSTRACT**

Airline Reservation System is to help the customer in reserving air tickets through online. Airline Reservation System used to be a standalone system. Each Airline had its own system, disconnected from the other airlines and ticket agents and usable only by a designated number of airline employee. Travel agents in the 1970s pushed for access to the airline system. Today air travel information is linked, stored and retrieved by a network of computer Reservation system accessible by multiple airline and travel agents.

The global distribution system (GDS) makes for an even larger web of airline information, not only merging the buying and selling of tickets for multiple airlines, but also making the system accessible to consumers directly. GDS portals and gateways on the web allow consumers to purchase tickets directly and select seats. Airline reservation system in conjunction with GDS had lead to ease of airline ticketing, flight scheduling and also means to provide a means for customer to access and book flight from their homes. It has also increase the speed with which the information about customers are retrieved and handled for flight scheduling task.

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## **Chapter 1**

### **Introduction :**

In today's airline industry users or customers can reserve seat or book flight from any place in the world as long as they are connected to internet. The Innovation of technology has made traveling in the air easier for customers with airline reservation or booking just a click away. The fastest means of transportation today is by air. Thousands of people flock the airline industry these days so that they can arrive their destination within a short period of time. Vehicles, train etc. cannot drive across the Atlantic Ocean or the Pacific Ocean, so customers tend to travel to other states, countries, and continents using air. Because of the assessment of the Travel to agent to make reservation directly the Airline industry provided an Airline deregulation rule, this Airline deregulation occurred in the year 1978, it deals with the magnifying the importance of the computerized airline reservation systems and their accessibility.

The main purpose of the 1978 Airline Deregulation Act in the U.S was to eliminate government control over commercial aviation and ensure competitive behaviour and fair business practices in the Airline Industry.

## **Chapter 2.**

### **HARDWARE AND SOFTWARE REQUIRMENT**

The hardware and the software configuration of the proposed system is given below.

#### **Hardware configuration:**

For the successful run of the proposed system the required stand alone personal computer with, minimum hardware require to tun the system is below:-

Processor - pentium2

Hard disk - 4GB

RAM - 64GB

#### **Software configuration:**

The minimum software requirement by the system is as follows:

1. MS access as backend
2. visual basic 6.0 as front end

## Chapter 3.

### Sample Code :

```
Private Sub Command1_Click()
If Option1 = True Then
frmnewway.Show
frmmain.Hide
ElseIf Option2 = True Then
frmroundtrip.Show
frmmain.Hide
Else
MsgBox "please select a trip"
End If
End Sub

Private Sub Command2_Click()
MsgBox "thanku for visiting our site !"
End
End Sub
```

---

```
Private Sub Combol_Click()
If Combol = "RPR Airlines" Then
Text3 = 5000
Text4 = 500
Text5 = Val(Text3) + Val(Text4)
ElseIf Combol = "AB01 TATA" Then
Text3 = 6000
Text4 = 650
Text5 = Val(Text3) + Val(Text4)
ElseIf Combol = "Emirates Airlines" Then
Text3 = 7000
Text4 = 800
Text5 = Val(Text3) + Val(Text4)
Else
MsgBox "please select your flight name"
End If
End Sub

Private Sub Command1_Click()
MsgBox "Your Ticket is Booked ! Thanku"
Unload Me
frmmain.Show
End Sub

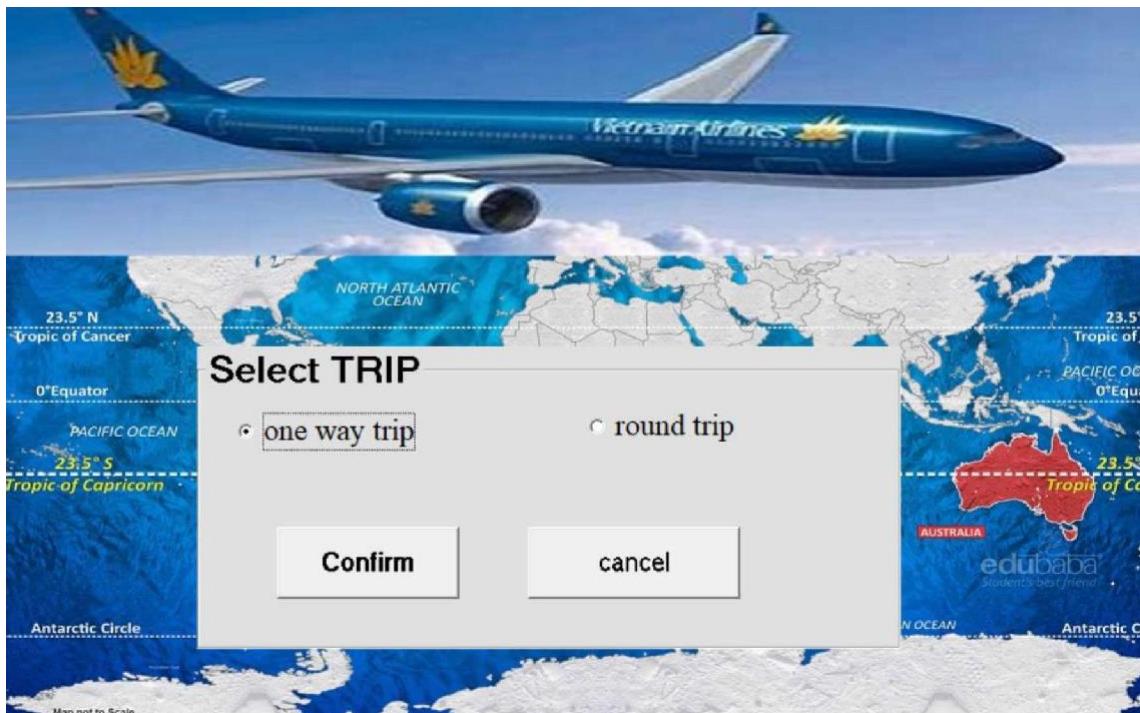
Private Sub Command2_Click()
End
End Sub

Private Sub Form_Load()
Label8 = Time
Label9 = Date
Combo2.AddItem "Gwalior"
Combo2.AddItem "Delhi"
Combo3.AddItem "Patna"
Combo3.AddItem "Banglore"
Combo1.AddItem "RPR Airlines"
Combo1.AddItem "AB01 TATA"
Combo1.AddItem "Emirates Airlines"
End Sub
```

---

## Chapter 5

### Screenshots.



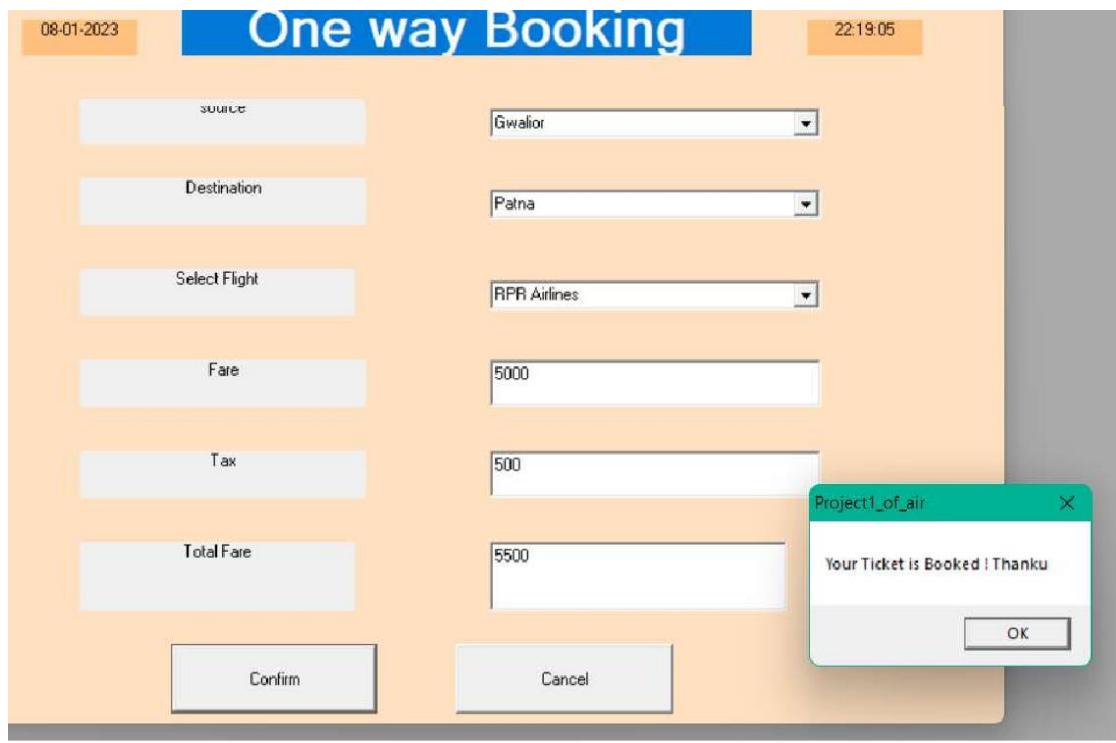
A screenshot of a "One way Booking" form. The form is dated 08-01-2023 and is timestamped at 22:19:05. It includes the following fields:

Field	Value
source	Gwalior
Destination	Patna
Select Flight	RPR Airlines
Fare	5000
Tax	500
Total Fare	5500

At the bottom of the form are two buttons: "Confirm" and "Cancel".

## Chapter 6

### Output :



## **Chapter 7**

### **Conclusion:**

The Airline reservation System has been a way of minimizing the clerical work, which is almost a routine and consume a most precious time.

This AIRLINE RESERVATION SYSTEM has been Attempt to help the user to minimize his workload along with minimizing the paperwork. The system has developed in a way to make it user friendly.

### **Bibliography:**

1. System analysis design - senn
2. Software engineering - Pressman
3. visual basic - Microsoft press
4. System analysis and design - Elias Award