

Project Report

**On
Railway Reservation**

U G D C A Semester VI

Submitted to: -

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Acknowledgement

The '**Railway Reservation**' is the outcome of my hard work under the leadership of Mr. Vikas Malviya and under the guidance of highly qualified coordinator. I am thankful to my teachers for technical support. My special thanks to the principal Dr. S. D. Singh for his immense support in providing such a nice infrastructure.

At last I pay my hearty thanks to my parents whose immense support has helped me in making this project and in completing my UGDCA Course.

Objective

This project '**Railway Reservation**' is made to simplify the task of Railway Reservation. The main objective of the development of this project is to provide a platform to input the details of a passenger and accordingly generate the tickets depending upon the availability of the seats. Moreover, side by side database creation for future reference. This software will be a great help for the purpose.

Declaration

I _____

D A V P G College

Varanasi

Hereby declare that the project report entitled

Railway Reservation

Is developed for the partial fulfillment of the

U G D C A Program

This project is the out come of my own work completed under the
guidance of

Mr. Vikas Malviya

† Name _____

Analysis & Design

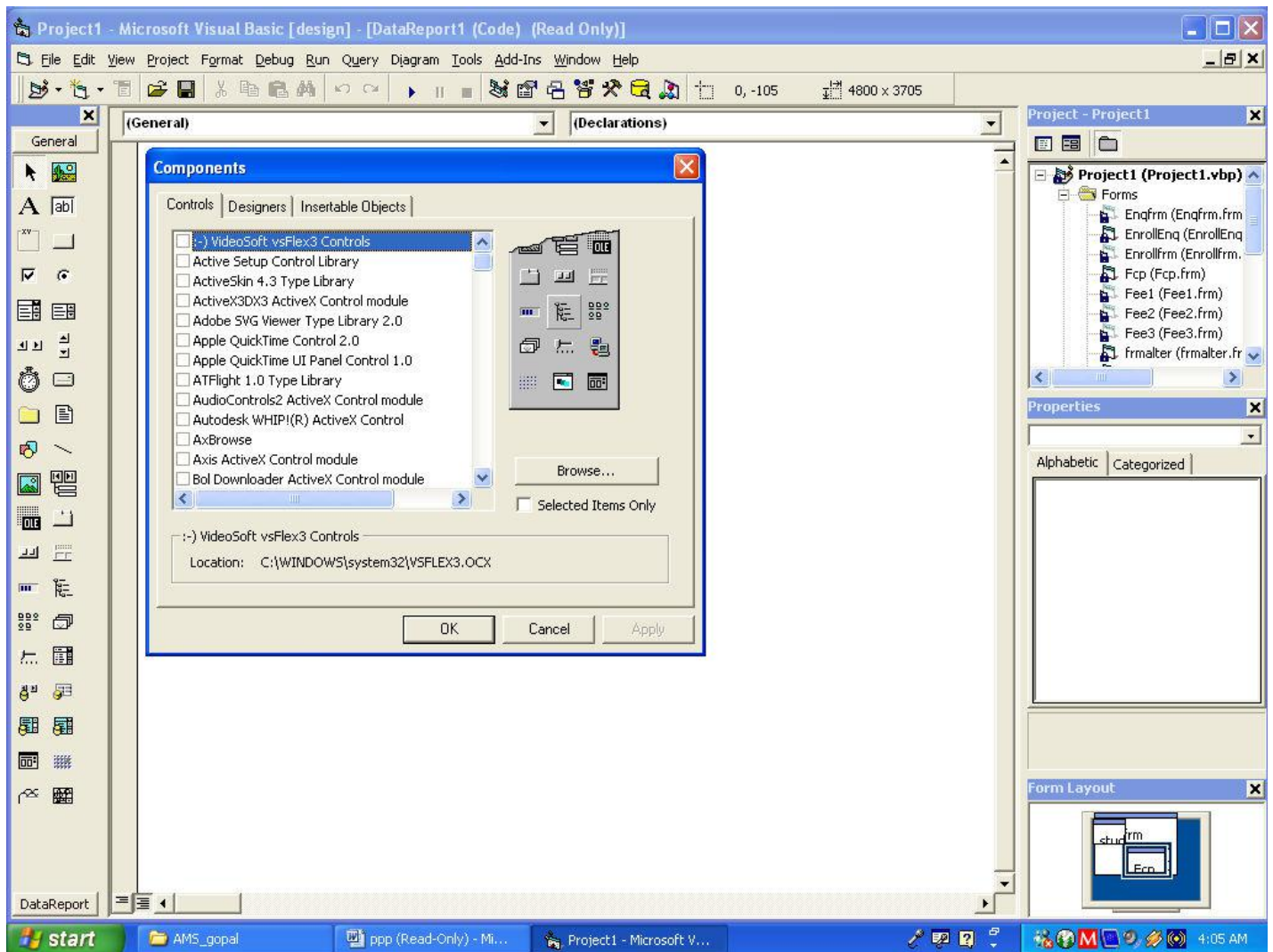
The project **Railway Reservation** was awarded to me by the Coordinator Dr. P. K. Sen.

Our college computer team had helped me in understanding the analysis of the project and their support I came to know about the difficulty and shortcomings of the **Railway Reservation** system. Finally after a keen analysis I summed up that my requirement would be best fulfilled through not only generating the tickets rather maintenance of a database too.

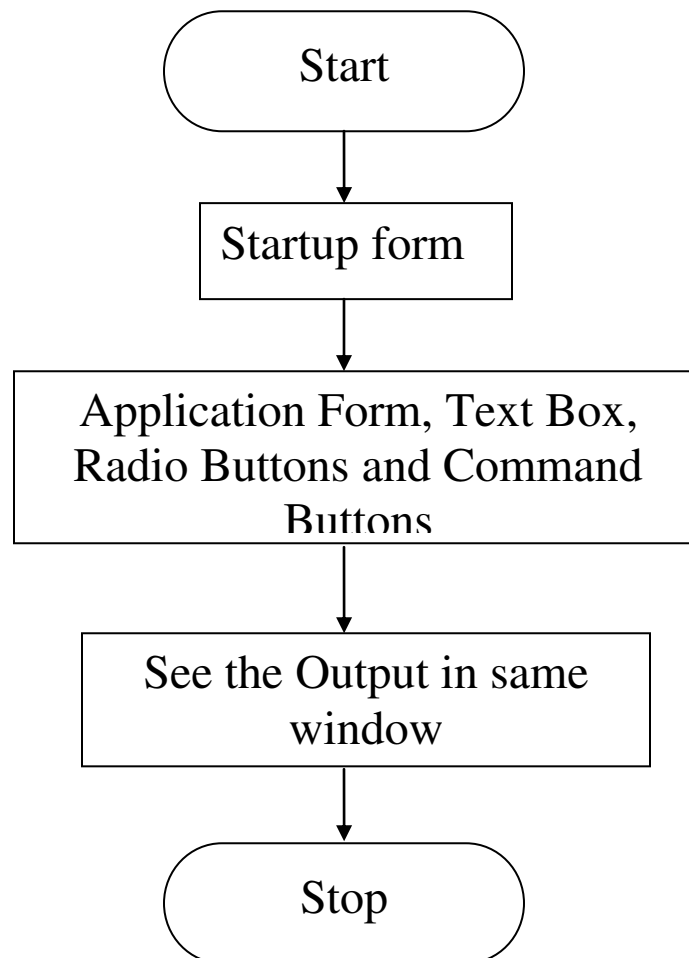
A user must be able to input the details of the passengers. A display should tell the user about the availability of the ticket. Appropriate buttons should be there to control the application and to generate the ticket.

The silent features of the project '**Railway Reservation**' are given in detail in the following pages.

The general look of V.B. 6.0 Component used in the project:



Program Structure



SDLC STEPS

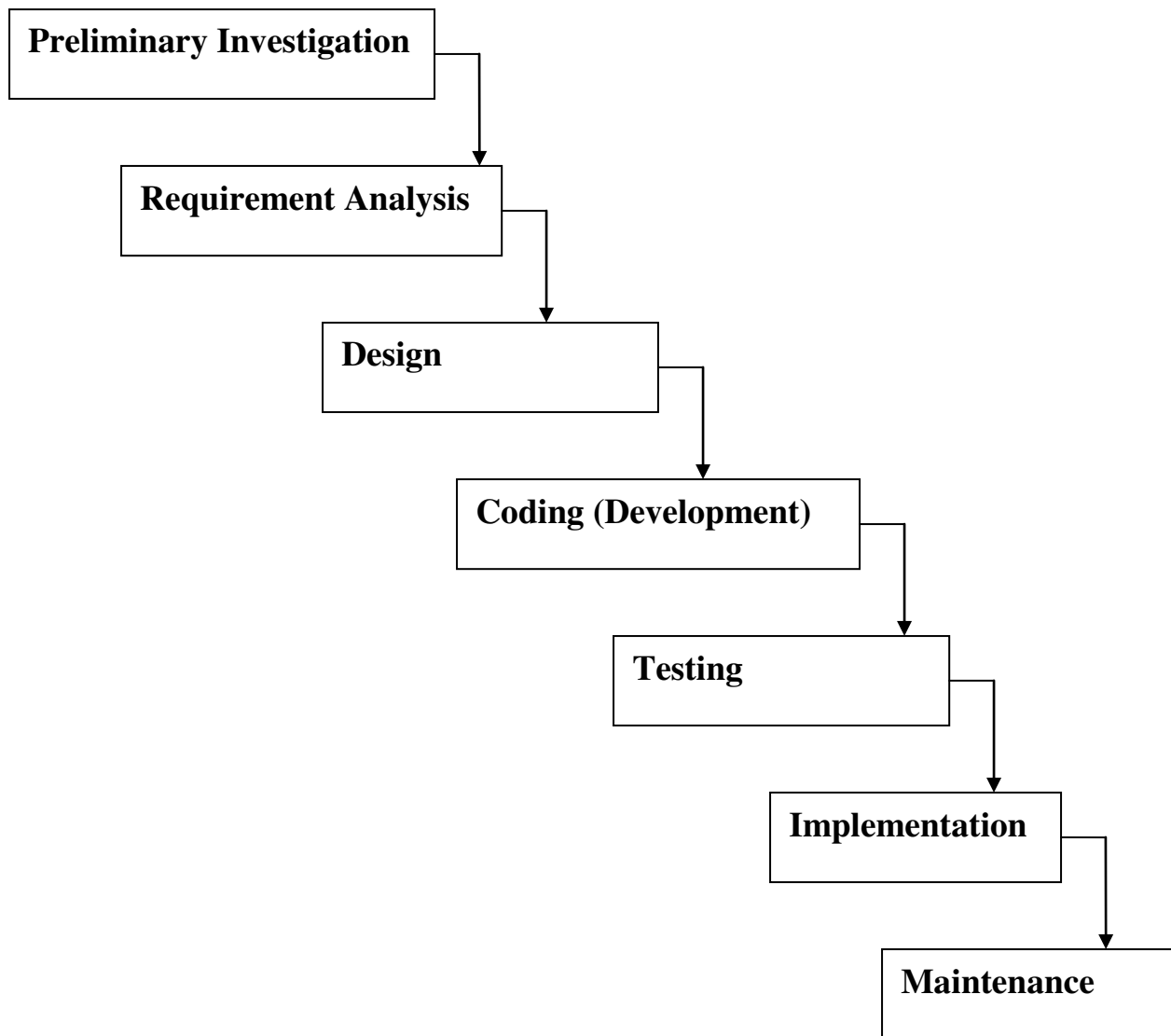
System Development life Cycle

SDLC Steps :-

- I. Preliminary Investigation
- II. Requirement Analysis
- III. Design:- flow chart
- IV. Coding
- VI. Implementation

SDLC Model

Linear Water Fall Model



Tools Used In Railway Reservation

HARDWARE USED

Processor- P4

RAM- 128 MB

HDD- 40 GB

Key Board- Multimedia

Mouse- Scroll

Monitor- 15”

SOFTWARE USED

Operating System- Windows XP

Front-end Package- Visual Basic 6.0

Backend- MS Access (Office XP 2003)

Documentation in- MS Word (Office XP 2003)

RESERVATION FORM:-

The screenshot shows a Windows application window titled "Reservation..." with a form titled "Railway Reservation". The form contains the following fields and controls:

- Name: Sagir Ahmed
- Age: 19
- Gender: Male, Female
- Select Train: [Dropdown menu]
- No.: 4523
- Class: [Dropdown menu]
- From: Varanasi
- To: New Delhi
- Fare: 425

Buttons at the bottom of the form include: Reserve, Find, Update, Delete, Refresh, Save, and Record Navigation (with left and right arrow icons).

The Windows taskbar at the bottom shows the Start button, several application icons, and the taskbar text "Project1 - Microsoft Visu..." and "Reservation...". The system tray shows the time as 3:42 PM.

Coding for Reservation Form:-

```
Private Sub Combo1_Click()  
If Combo1.ListIndex = 0 Then  
Combo3.Clear  
Combo4.Clear  
Text3.Text = 4523  
Combo3.AddItem "Varanasi"  
Combo3.AddItem "Lucknow"  
Combo3.AddItem "Barelli"  
Combo3.AddItem "Hapur"  
Combo4.AddItem "New Delhi"  
Combo4.AddItem "Hapur"  
Combo4.AddItem "Barelli"  
Combo4.AddItem "Lucknow"  
End If  
If Combo1.ListIndex = 1 Then  
Combo3.Clear  
Combo4.Clear  
Text3.Text = 3049  
Combo3.AddItem "Patana"  
Combo3.AddItem "Varanasi"  
Combo3.AddItem "Allahabad"  
Combo3.AddItem "Kanpur"  
Combo4.AddItem "New Delhi"  
Combo4.AddItem "Kanpur"  
Combo4.AddItem "Allahabad"  
Combo4.AddItem "Varanasi"
```

```

End If
If Combo1.ListIndex = 2 Then
Combo3.Clear
Combo4.Clear
Text3.Text = 2331
Combo3.AddItem "Varanasi"
Combo3.AddItem "Allahabad"
Combo3.AddItem "Kanpur"

Combo4.AddItem "Kanpur"
Combo4.AddItem "Allahabad"
Combo4.AddItem "New Delhi"
End If
End Sub
Private Sub Form_Load()
Combo1.AddItem "Kashi Vishwanath"
Combo1.AddItem "Rajdhani Exp."
Combo1.AddItem "Shiv Ganga Exp."
Combo2.AddItem "AC-I"
Combo2.AddItem "AC-II"
Combo2.AddItem "AC-III"
Combo2.AddItem "Sleeper"
End Sub
Private Sub Option1_Click()
Text4.Text = ""
Text4.Text = Option1.Caption
End Sub
Private Sub Option2_Click()
Text4.Text = ""
Text4.Text = Option2.Caption
End Sub
Private Sub Command1_Click()
Command1.Enabled = False
Command2.Enabled = False
Command4.Enabled = False
Adodc1.Recordset.AddNew
Text4.Text = "Male"
Text1.SetFocus
End Sub
Private Sub Command2_Click()
Dim str As String
str = "passNm=" & Text1.Text & """"
Adodc1.Refresh
Adodc1.Recordset.Find str
End Sub
Private Sub Command3_Click()
On Error GoTo updateerror
Adodc1.Recordset.Update
MsgBox "Updated successfully."
Exit Sub
updateerror:
MsgBox Err.Description

```

```

End Sub
Private Sub Command4_Click()
On Error GoTo delerror
Dim strmsg As String
strmsg = "ARE YOU SURE YOU WANT TO DELETE" _
& IIf(Text1.Text <> "", Text1.Text, _
" this record") & "?"
If MsgBox(strmsg, vbQuestion + vbYesNo + vbDefaultButton2) = vbYes Then
With Adodc1.Recordset
.Delete
.MoveNext
If .EOF Then .MoveLast
End With
End If
Exit Sub
delerror:
MsgBox Err.Description
Exit Sub
End Sub
Private Sub Command5_Click()
Adodc1.Refresh
End Sub
Private Sub Command6_Click()
Adodc1.Recordset.Save
Command1.Enabled = True
Command2.Enabled = True
Command4.Enabled = True
End Sub

```

Database supported by M S Access

Connection Control : **ADODC**
Database Name : **Rail**
Table Name : **Reservation**

passNm	age	gender	train	trainNo	cls	from	to
Sagir Ahmed	19	Male		4523		Varanasi	New Delhi
Vinod Gupta	32	Male	Rajdhani Exp.	3049	AC-I	Varanasi	New Delhi
*	0						

Documentation

The documentation of this project (Railway Reservation) has been done in Microsoft Word (MS Office XP 2003). Every care has been taken in producing all the work done by me.

The project report covers all the points which came to be effective in the project. This documentation contains objective, analysis, code and output.

Bibliography

- 1. Visual basic 6.0 Complete Reference**
- 2. Visual basic 6.0 Black Book**
- 3. M S Office by Microsoft Corporation**
- 4. M S Access by BPB Publication**

I am thankful to all the teachers and all the staff members of DAV PG College Computer Centre. This project would not be completed without the help and support of my friends, so a special word of thank is also to them.

Any feedback regarding Coding, Designing and Maintaining this software will highly be appreciated.

“THANKING YOU”