

EXNO:04

DATE:

SOFTWARE PERSONNEL MANAGEMENT SYSTEM

1. PROBLEM STATEMENT

To compute the gross pay of a person using the software personnel management system software and to add new details to the existing database and update it, using visual basic 6.0 and MS Access

2. OVERALL DESCRIPTION

The three modules are

Entry form

The employee details, edit details and exit command buttons are present. We can choose the required command button.

Pay slip form

Fill in the form with details such as employee id, employee name, department, experience, and basic pay in the text boxes and submit using CALCULATE command button Update it in the database using UPDATE command button.

Database form

Updated database would be present. We can search for the required Pay details using SEARCH command button

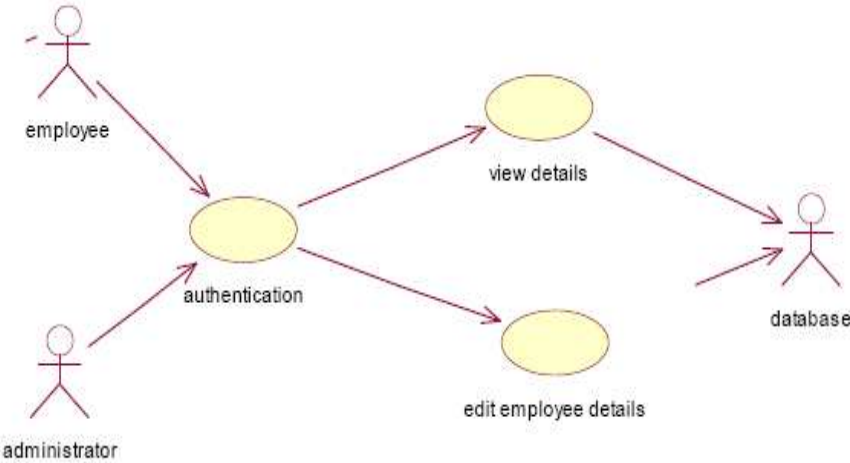
2.1 SOFTWARE REQUIEIMENTS:

7. Microsoft Visual Basic 6.0
8. Rational Rose
9. Microsoft Access.

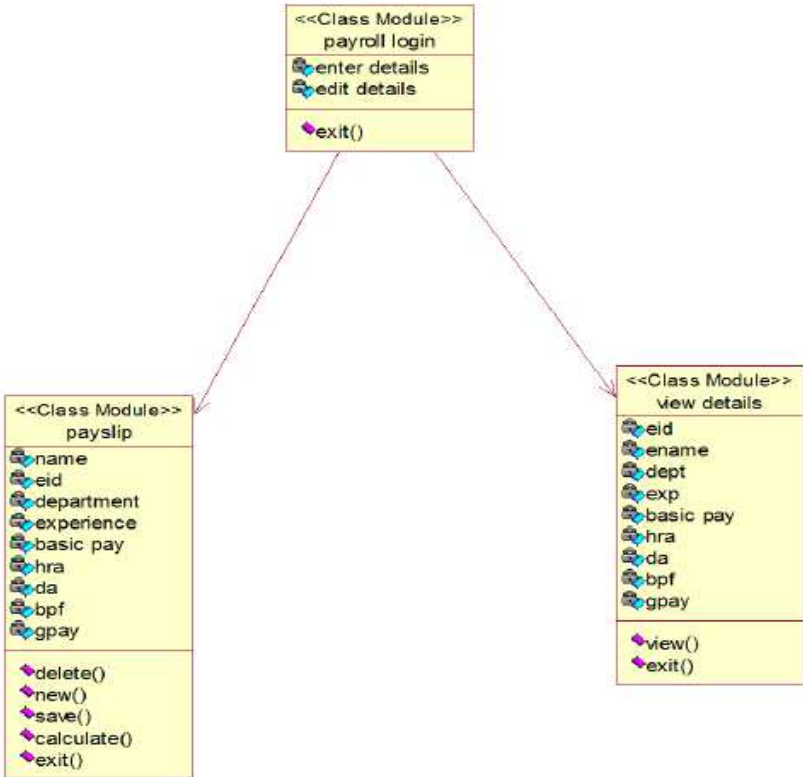
2.2 HARDWARE REQRIMENTS:

5. 128MB RAM
6. Pentium III Processor

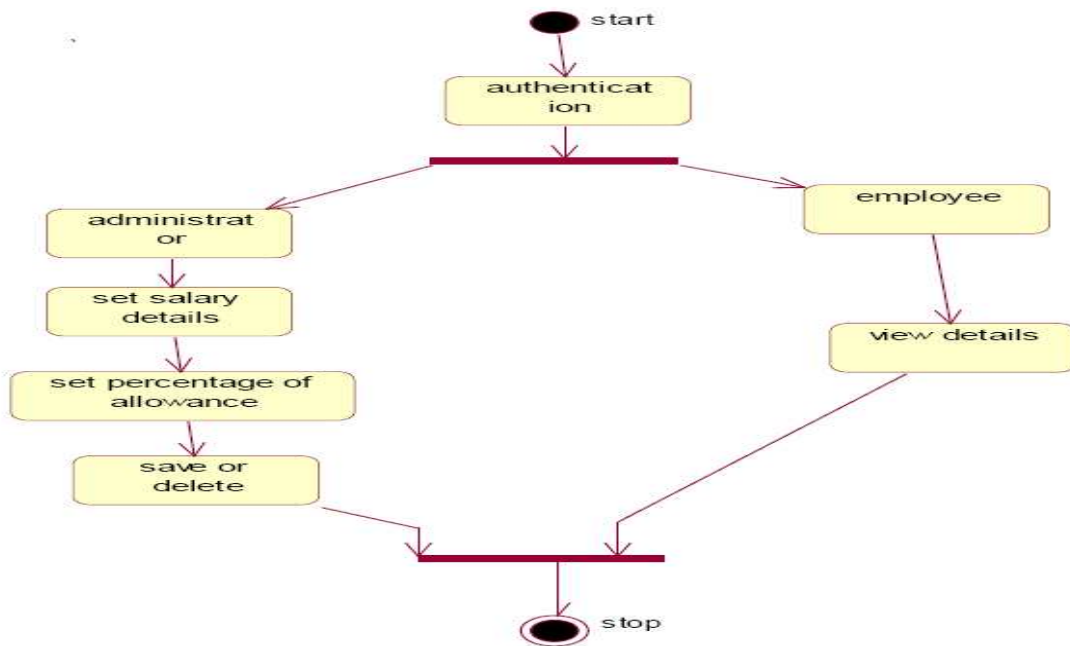
USECASE DIAGRAM



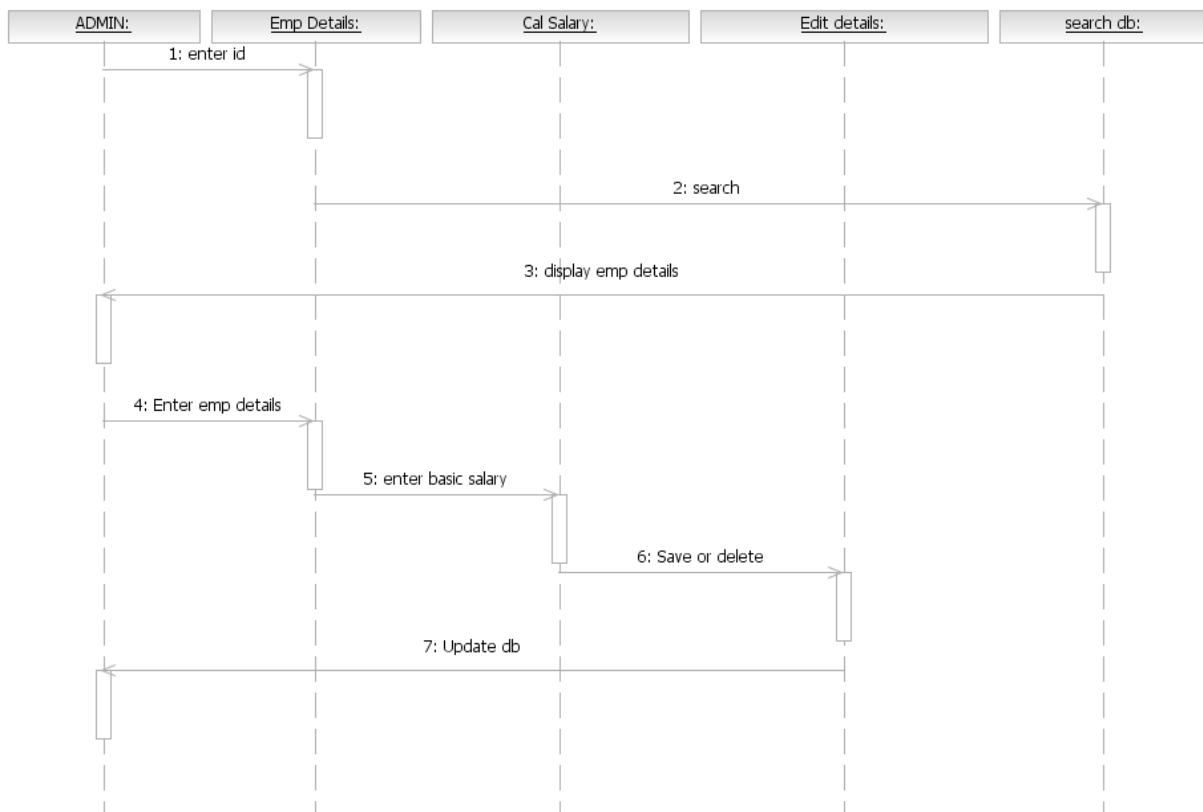
CLASS DIAGRAM



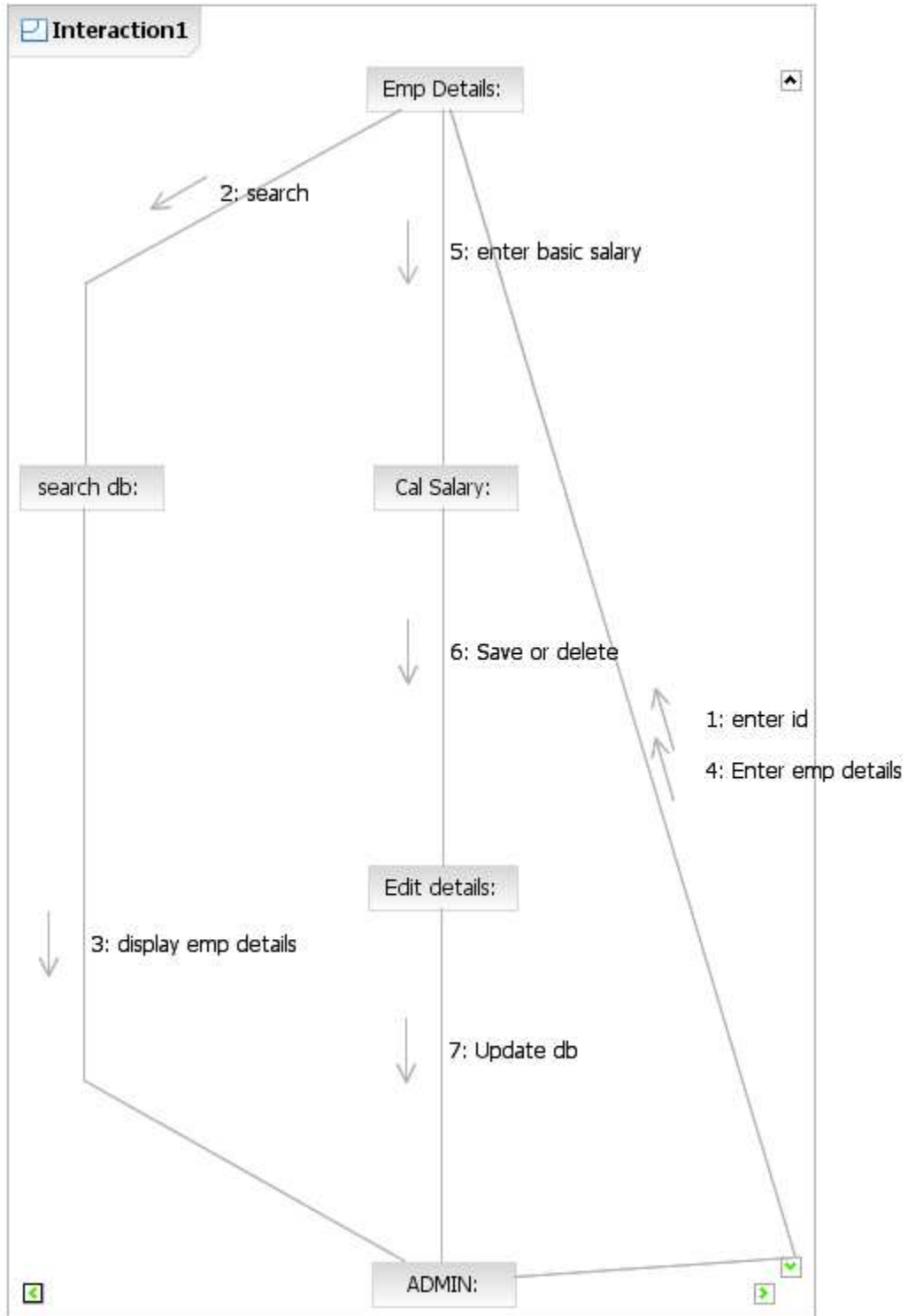
ACTIVITY DIAGRAM



SEQUENCE DIAGRAM



COLLABRATION DIAGRAM



CODING:

Form1:

```
Dim con5 As New ADODB.Connection
Dim rs5 As New ADODB.Recordset
Dim con11 As New ADODB.Connection
Dim rs11 As New ADODB.Recordset
Private Sub Command10_Click()
End Sub
```

```
Private Sub Command1_Click()
Text1.Text = ""
Text2.Text = ""
Text3.Text = ""
Text4.Text = ""
Text6.Text = ""
Text7.Text = ""
Text8.Text = ""
Text9.Text = ""
End Sub
```

```
Private Sub Command2_Click()
Text6.Text = (Val(Text5.Text) * 0.1224)
Text7.Text = (Val(Text5.Text) * 0.15)
Text8.Text = (Val(Text5.Text) * 0.25)
Text9.Text = Val(Text5.Text) + Val(Text6.Text) + Val(Text7.Text) + Val(Text8.Text)
MsgBox ("Payslip generated")
End Sub
```

```
Private Sub Command3_Click()
Dim con5 As New ADODB.Connection
Dim rs5 As New ADODB.Recordset
con5.Open "Provider=MSDAORA.1;Password=tiger;User ID=scott;Persist Security Info=True"
rs5.Open "insert into emp values(" & Text1.Text & "," & Text2.Text & "," & Text3.Text & "," & Text4.Text & "," & Text5.Text & "," & Text6.Text & "," & Text7.Text & "," & Text8.Text & "," & Text9.Text & ")", con5, adOpenKeyset, adLockPessimistic
MsgBox "Employee Added"
End Sub
```

```
Private Sub Command4_Click()
Dim con11 As New ADODB.Connection
Dim rs11 As New ADODB.Recordset
```

```
con11.Open "Provider=MSDAORA.1;Password=tiger;User ID=scott;Persist Security Info=True"
rs11.Open "Update emp set ename=" & Text2.Text & ",dept=" & Text3.Text & ",exp=" & Text4.Text & ",basic=" & Text5.Text & ",hra=" & Text6.Text & ",da=" & Text7.Text & ",pf=" & Text8.Text & ",gpay=" & Text9.Text & " where eid=" & Text1.Text & "", con11, adOpenKeyset, adLockPessimistic
MsgBox "Updated"
End Sub
```

```
Private Sub Command5_Click()
Form1.Show
End Sub
```

Form2:

```
Dim con As New ADODB.Connection
Dim rs As New ADODB.Recordset
Private Sub Command3_Click()
Dim con As New ADODB.Connection
Dim rs As New ADODB.Recordset
con.Open "Provider=MSDAORA.1;Password=tiger;User ID=scott;Persist Security Info=True"
rs.Open "select * from emp", con, adOpenKeyset, adLockPessimistic
Text1.Text = rs(0)
Text2.Text = rs(1)
Text3.Text = rs(2)
Text4.Text = rs(3)
Text5.Text = rs(4)
Text6.Text = rs(5)
Text7.Text = rs(6)
Text8.Text = rs(7)
Text9.Text = rs(8)
End Sub
```

```
Private Sub Command1_Click()
If rs.EOF = False Then
rs.MoveNext
If rs.EOF = False Then
Text1.Text = rs(0)
Text2.Text = rs(1)
Text3.Text = rs(2)
Text4.Text = rs(3)
Text5.Text = rs(4)
Text6.Text = rs(5)
```

```
Text7.Text = rs(6)
Text8.Text = rs(7)
Text9.Text = rs(8)
Else
MsgBox "end of file"
End If
End If
End Sub
```

```
Private Sub Command2_Click()
If rs.BOF = False Then
rs.MovePrevious
If rs.BOF = False Then
Text1.Text = rs(0)
Text2.Text = rs(1)
Text3.Text = rs(2)
Text4.Text = rs(3)
Text5.Text = rs(4)
Text6.Text = rs(5)
Text7.Text = rs(6)
Text8.Text = rs(7)
Text9.Text = rs(8)
Else
MsgBox "back of file"
End If
End If
End Sub
```

```
Private Sub Command4_Click()
Form1.Show
End Sub
```

```
Private Sub Form_Load()
Dim con1 As New ADODB.Connection
Dim rs1 As New ADODB.Recordset
con.Open "Provider=MSDAORA.1;Password=tiger;User ID=scott;Persist Security Info=True"
rs.Open "select * from emp", con, adOpenKeyset, adLockPessimistic
End Sub
```


**SCREEN SHOTS:
FORM 1:**

The screenshot shows a web application window titled "BASIC PAY CALCULATION". It contains a form with the following fields and values:

Field	Value
eid	01
ename	diwa
dept	manager
exp	10
basic	9000
hra	3200
da	4500
pf	2501
gpay	545

Buttons on the right side of the form include: new, calculate, add, update, and back. A dialog box titled "Project1" is overlaid on the form, displaying the message "Employee Added" and an "OK" button.

FORM 2:

The screenshot shows the same "BASIC PAY CALCULATION" form, but with calculated values in the output fields:

Field	Value
eid	01
ename	diwa
dept	manager
exp	10
basic	9000
hra	1101.6
da	1350
pf	2250
gpay	13701.6

The buttons on the right side are the same as in Form 1. A dialog box titled "Project1" is overlaid on the form, displaying the message "Payslip generated" and an "OK" button.

FORM 3;

The screenshot shows a web application window titled "BASIC PAY CALCULATION". It features a series of input fields for employee details and a set of control buttons. A small dialog box titled "Project1" with the message "Updated" and an "OK" button is overlaid on the form.

Field	Value
eid	01
ename	diwa
dept	manager
exp	10
basic	9850
hra	1101.6
da	1350
pf	2250
gpay	13701.6

Buttons: new, calculate, add, update, back

Dialog Box: Project1 Updated OK

FORM 4:

The screenshot shows a web application window titled "Form3" with a sub-header "VIEW DETAILS". It displays the same employee data as Form 3, but with a "view" button highlighted in a dashed box, indicating it is the active or selected option.

Field	Value
EID	1
ename	diwa
dept	manager
exp	10
basic	9850
hra	1101.6
da	1350
pf	2250
gpay	13701.6

Buttons: view, next, previous, exit

DataReport1

Zoom 100%

EID:	ENAME:	DEPT:	EXP:	BASIC:	HRA:	DA:	PF:	GPAY:
1	diwa	manager	10	9850	1101.6	1350	2250	13701.6