

DEPOT SCHEDULING AND SERVICES

1. INTRODUCTION

DEPOT SCHEDULING AND SERVICES, this application is the platform for the employees of bus transportation who can come to know about their next schedule and about the crew members in advance. The schedule is based on a particular station. This is an admin and user-based application, it is intended to have complete specifications of how the admin provides the schedule to the employees. The scope of the project includes storing and accessing the employee and bus details, ensuring a secure and reliable system. It is primarily concerned with the process related to scheduling from the terminal operated by the admin.

The employees are assigned with a schedule id where it is common for the crewmembers. It helps the employee to get the accurate information of the schedule. The admin can access the stored data and modify the details in later on stages. This application provides an efficient way to handle the operations and the user interface is very friendly for an amateur user as well as for the experienced use

2. SYSTEM STUDY

2.1 Existing System

Presently, in the existing system, the employees are not aware of their Schedule and their crew members until they are on duty. It becomes uneasy when there is no proper information provided. So, during the Schedule they may face difficulties and it is time consuming. It involves more manual work. It will give redundant and inconsistent data. There is not detailed information available.

2.2 Proposed System

In our proposed system, we can create the crewmembers and allot their schedule where they can come to know about the schedule in advance, and he can view his crew member's details of the particular schedule. By the details, which is accurately provided by admin, it reduces the confusion for the employee. We can also update the scheduling details when an employee is on leave.

- Improved satisfaction.
- Easy updating of information.
- Efficient allocation of resources.
- Ensures timeline management.

3. SYSTEM CONFIGURATION

3.1 Hardware Requirement

Processor	Intel® core i5 CPU 2.11GHZ
System Type	64-bit
RAM	8 GB
Hard disk	1 TB

3.2 Software Requirement

Programming Language	Asp.net
Back End	MY SQL Server 2008
Tools	HTML, CSS, BOOTSTRAP
Operating System	Windows 10
Documentation	Microsoft Word 2019

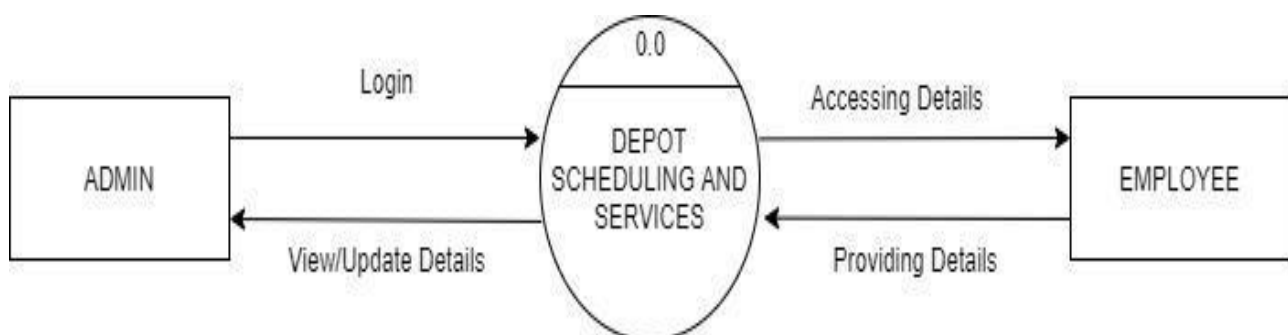
4. SYSTEM DESIGN

4.1 Description:

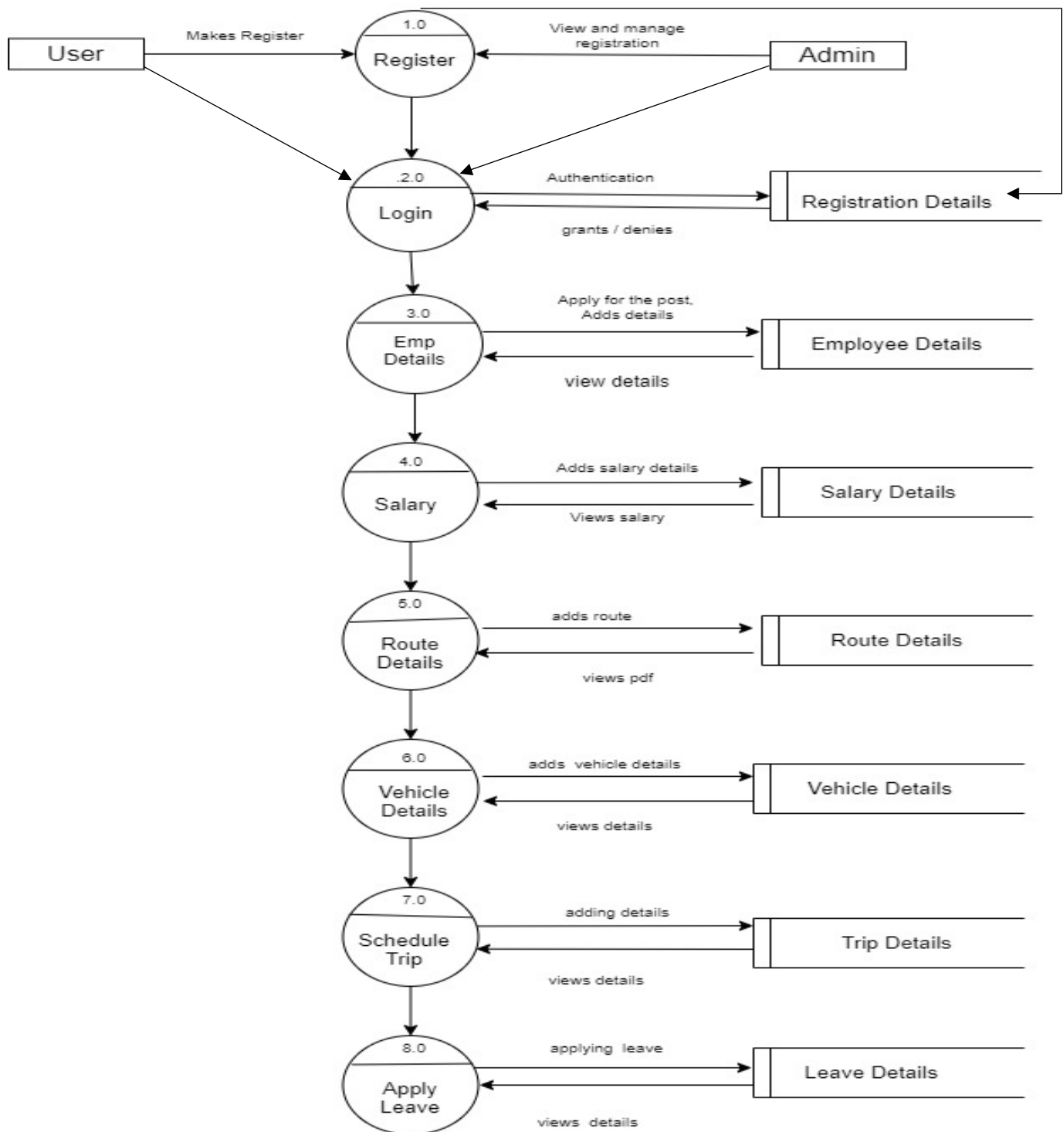
- **Admin Management:** In this module the admin will have their login details and can modify, manage assign details on the required form details and also view and retrieve details.
- **Registration Module:** The Candidates can register and apply for the post according to their designation and then wait for the approval by the admin.
- **Employee:** Once the candidates are approved and appointed as employee then the employee can view their scheduling and salary details and can also apply for leave if needed.
- **Salary Details:** This module is for viewing the salary details of employee details of employee and admin will be providing just the details of the salary to view .
- **Vehicle Details:** This is the vehicle details ie; the bus manufacturing company and number plate of the Bus is given, to know that particular bus allotted to the driver
- **Trip Details:** This module is the schedule details which is allotted to the employees according to their designation and providing all details of the trip for a day.
- **Route Details:** This module provides the source destination and the appropriate route details for the employees to refer while working.
- **Leave Module:** This module is for employees for applying leave by providing proper details and then getting approved by admin.

4.2 Process Flow Diagram:

DFD LEVEL 0



DFD LEVEL 1



4.3 Database Design:

1. Admin Table

Attributes	Constraint Name	Data Type	Description
Adminname	Primary Key, Not null	nvarchar(20)	Admin username
Password	Not null	nvarchar(max)	Admin password

2. Registration Details

Attributes	Constraint Name	Data Type	Description
Name	Not null	varchar (max)	Candidate name
Dob	Not null	Date	Candidate date of birth
Designation	Not null	varchar (max)	To select a designation
Dlno	Not null	varchar (max)	To enter dl number
Password	Not null	varchar (max)	To enter a password
Mobile	Primary Key, Not null	varchar (max)	To enter mobile no

3. Employee Table

Attributes	Constraint Name	Data Type	Description
Did	Null	nvarchar(20)	Drivers id
Dname	Null	nvarchar(20)	Drivers name
Cid	Null	nvarchar(20)	Conductors id
Cname	Null	nvarchar(20)	Conductors name
Designation	Not null	nvarchar(20)	Employees designation
Mobile	Foreign Key, Not null	Numeric(18,0)	Employee mobile number
Password	Not null	nvarchar(20)	Password
dno	Not null	nvarchar(20)	Depot number
depotname	Not null	nvarchar(20)	Depot name

4. Trip Details

Attributes	Constraint Name	Data Type	Description
Schedule id	Primary Key, Not null	nvarchar(15)	Schedule id
Did	Not null	nvarchar(20)	Drivers id
Dname	Not null	nvarchar(20)	Drivers name
Cid	Not null	nvarchar(20)	Conductors id
Cname	Not null	nvarchar(20)	Coductors name
Date	Not null	nvarchar(20)	Schedule date
Routeno	Foreign Key, Not null	nvarchar(20)	Trip routenumber
Source	Not null	nvarchar(20)	Source station
Destination	Not null	nvarchar(20)	Destination
distance	Not null	nvarchar(20)	Total distance
vno	Not null	nvarchar(20)	Vehicle number
No. of trip	Not null	nvarchar(20)	Total number of trips
Pdf	Null	Nvarchar(50)	Routemap for trip

5. Salary details

Attributes	Constraint Name	Data Type	Description
Eid	Primary Key, Not null	Nvarchar(20)	Employees id
Ename	Not null	Nvarchar(20)	Employees Name
Designation	Not null	Char	Employees Designation
DepotName	Not null	Nvarchar(20)	Employees depot name
Salary	Not null	Nvarchar(20)	Employees salary

6. Vehicle details

Attributes	Constraint Name	Data Type	Description
Vno	Primary Key	nvarchar(15)	Vehicle number
Manufacturer	Not null	nvarchar(50)	Vehicle Manufacturer
Myear	Not null	Numeric	Manufacturing year
Sc	Not null	nvarchar(20)	Seating capacity
Maxspeed	Not null	Nvarchar(20)	Maximum speed

7. Leave Details

Attributes	Constraint Name	Data Type	Description
Eid	Foreign Key	Nvarchar(max)	Employee id
Dol	Not null	Date	Date to apply leave
Description	Not null	Nvarchar(max)	To enter description

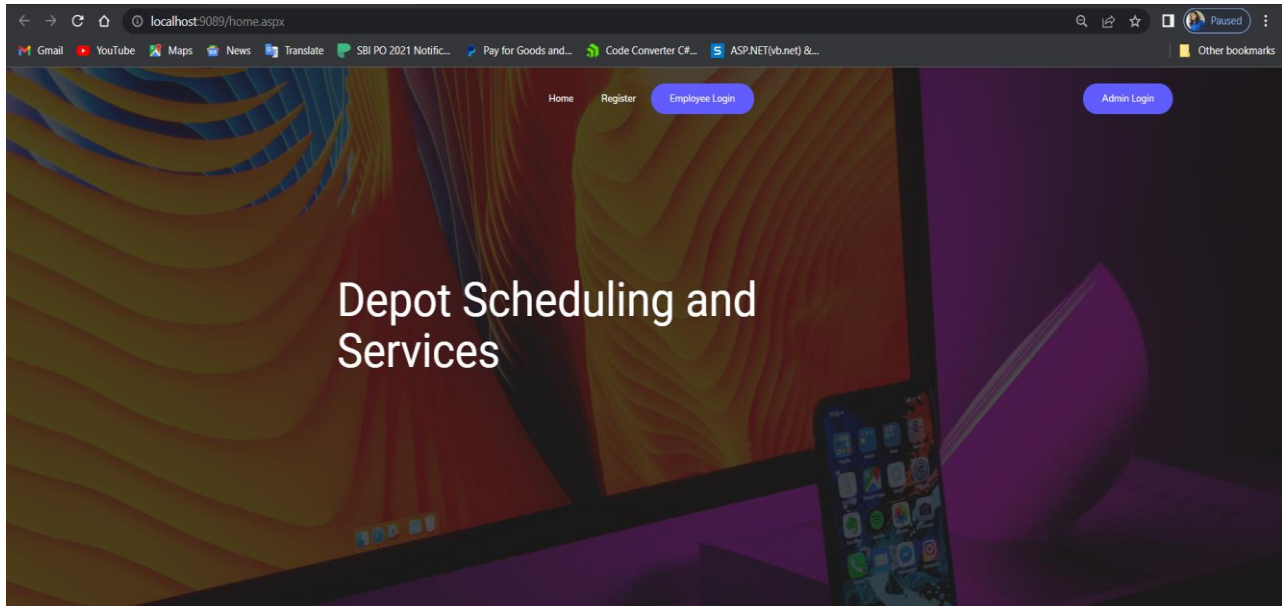
8. Route Details

Attributes	Constraint Name	Data Type	Description
Routeno	Primary Key, Not null	Nvarchar(20)	Bus Routenumber
Source	Not null	Nvarchar(20)	Source Station
Destination	Not null	Nvarchar(20)	Destination
Distance	Not null	Nvarchar(20)	Total distance of a route
Stops	Not null	Nvarchar(20)	Total number of stops

5. IMPLEMENTATION

5.1 FORM LAYOUTS

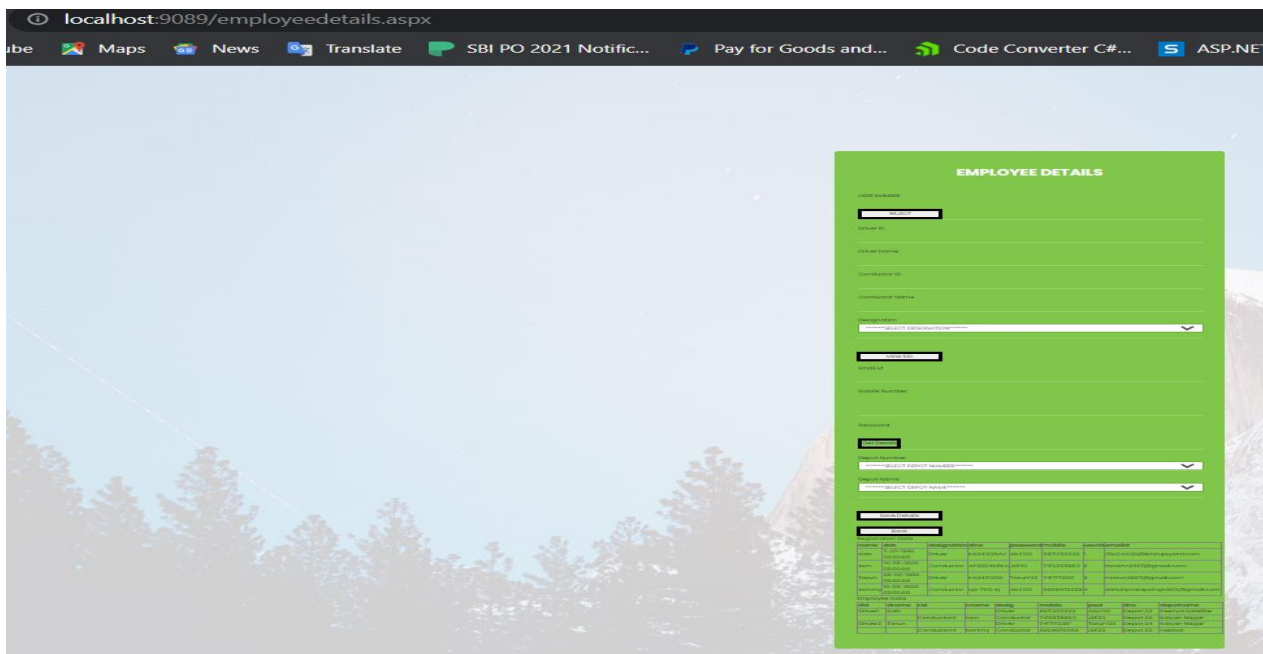
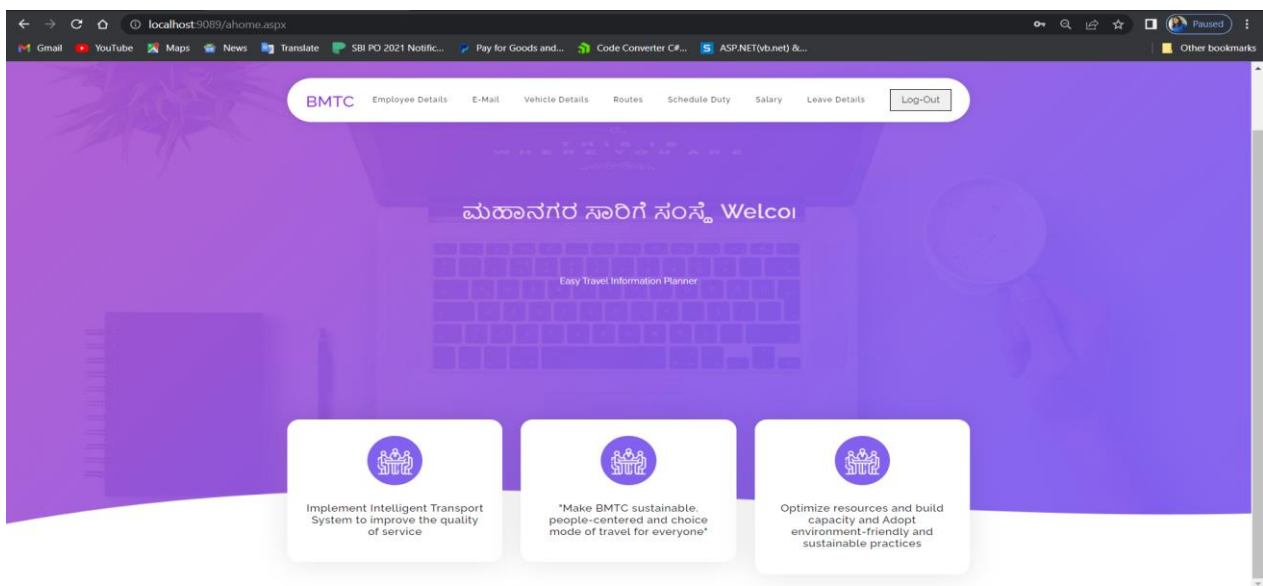
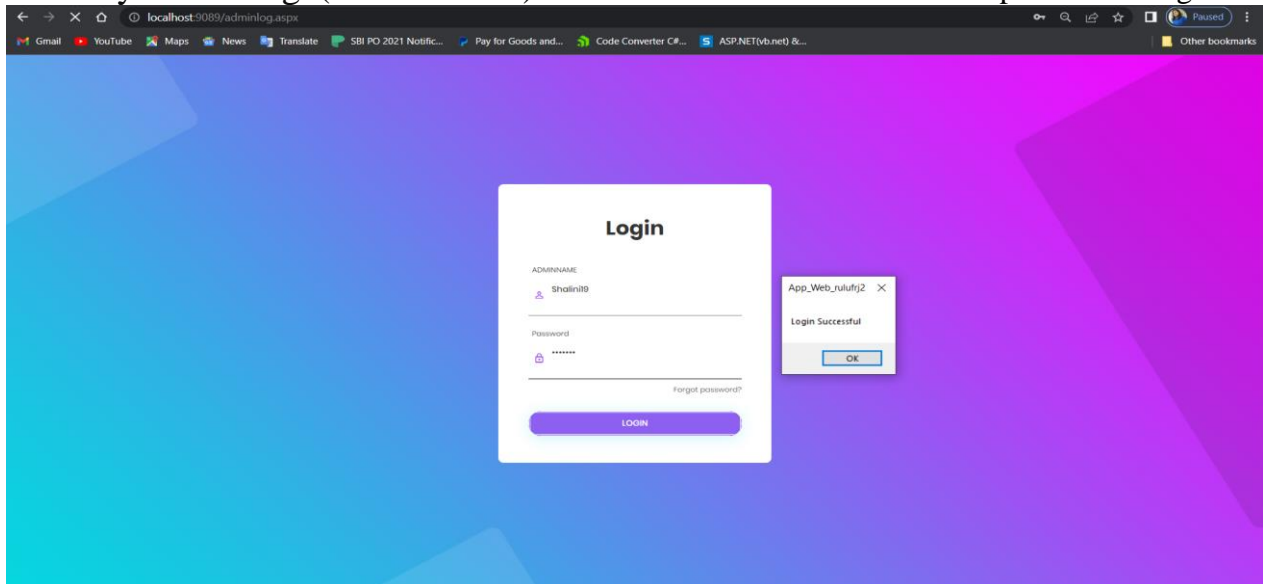
- **HOMEPAGE**



- **REGISTRATION FORM**

A screenshot of a web browser displaying the registration form. The browser's address bar shows 'localhost:9089/reg.aspx'. The form is titled 'Registration Form' and is set against a light blue and purple gradient background. The form fields include: 'Enter Your Name' (text input), 'Enter Your DOB' (date picker), 'Select the Designation' (dropdown menu with 'Driver' selected), 'Enter Your DL No.' (text input), 'Provide Password' (text input), 'Enter Your Mobile Number' (text input), 'USER ID' (text input with '5' entered), and 'Enter Your Email ID' (text input). At the bottom of the form are two buttons: 'APPLY FOR THE POST' and 'BACK'.

ADMIN SIDE:



localhost:9089/vehicles.aspx

Vehicle Details

Vehicle Number

Manufacturer

Manufacturing Year

Seating Capacity

Max Speed

id	manufacturer	year	seating capacity	max speed
KA-04-MU-123456789	ashok leyland	2018	30	100
KA-04-MU-123456789	ashok leyland	2018	30	100

localhost:9089/trip.aspx

Schedule Trip

Schedule ID

Enter Date

Driver ID

Driver Name

Conductor ID

Conductor Name

Route Number

Source

Destination

Distance

Vehicle Number

Number Of Trips

Upload RouteMap No file chosen

localhost:9089/routes.aspx

Route Details

Route Number

Source

Destination

Distance

Stops

route no	source	destination	distance	stops
500D	Silk Board	Hebbal	30kms	15
507A	Balahalli cross	puram	50	30
273C	Balahalli cross	MAJESTIC	30kms	15

localhost:9089/hr.aspx

Gmail YouTube Maps News Translate SBI PO 2021 Notific... Pay for Goods and... Code Converter C#... ASP.NET(vb.net) &...

Employee's Payslip

Details

Designation
*****SELECT DESIGNATION*****

Employee ID

Employee Name

Depot
*****SELECT Depot*****

Days of Leave

[View details](#)

Salary

[Calculate](#)

[Get Details](#)

[Save Details](#)

[Back](#)

localhost:9089/levdetails.aspx

Gmail YouTube Maps News Translate SBI PO 2021 Notific... Pay for Goods and... Code Converter C#... ASP.NET(vb.net) &...

Leave Details

[Back](#)

Provide Details

Leave

eid	leaveid	dol	description	days
Driver1	1	30-05-2022 00:00:00	Requesting for 2 days leave as i have viral fever.	2
Conductor2	2	28-05-2022 00:00:00	Going out of station.	3
Conductor4	3	10-06-2022 00:00:00	fever	2

[Update](#)

Send SMS

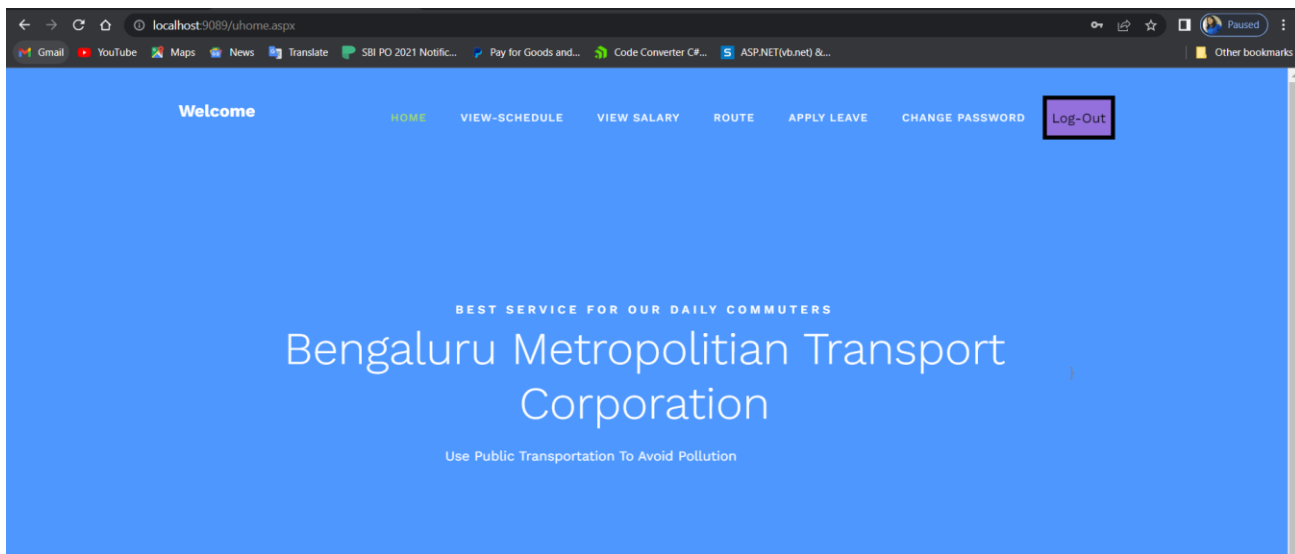
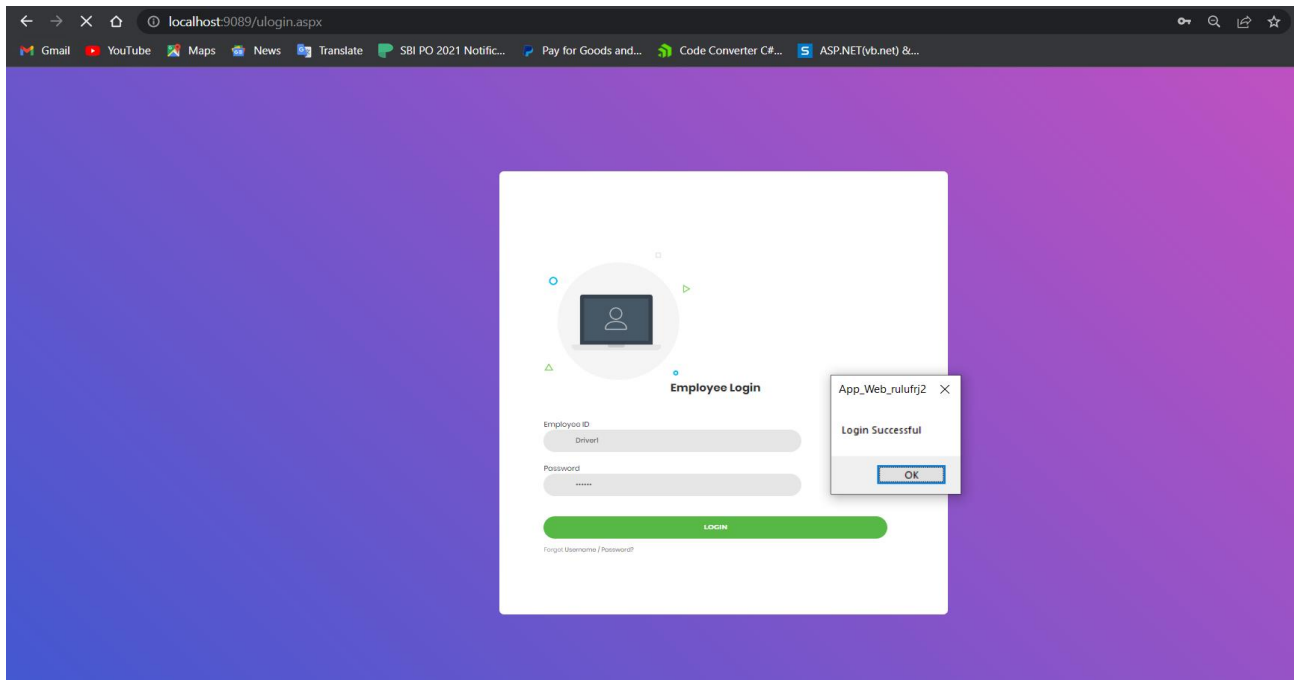
EMPLOYEE ID

[Get Email Id](#)

EMAIL ID

MESSAGE

[Send Mail](#)

EMPLOYEE SIDE:

localhost:9089/leave.aspx

Back

Apply Leave

Provide Details

Employee ID

Driver1

Leave ID

4

Date Of Leave

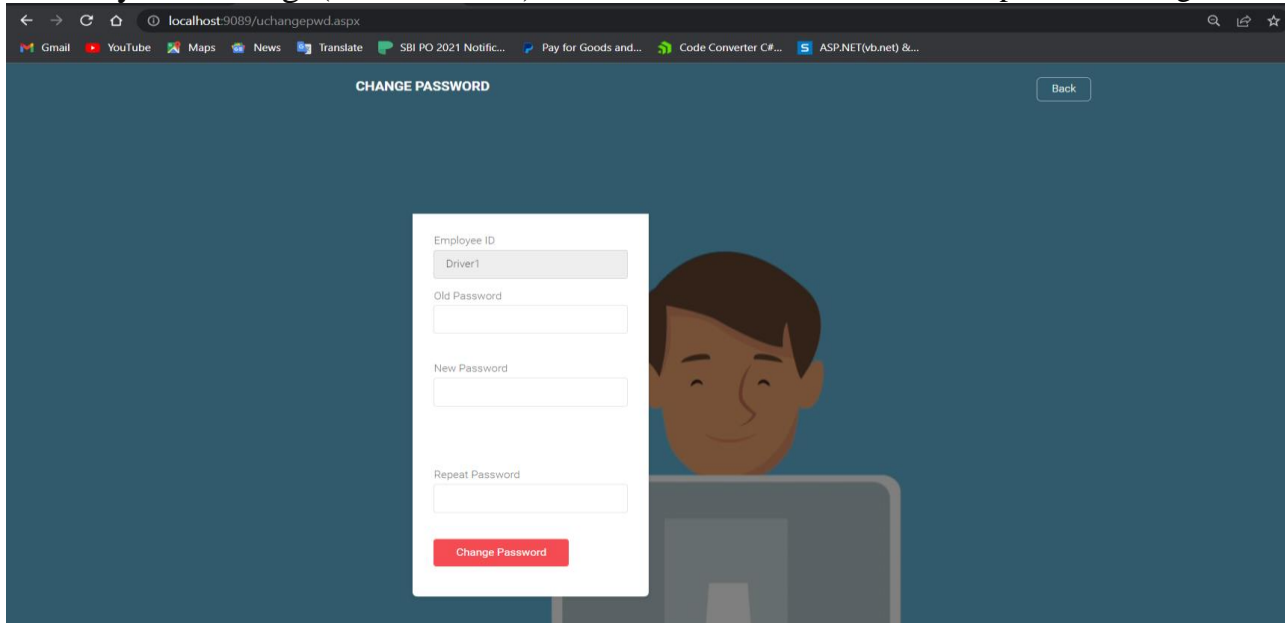
dd-mm-yyyy

Description

Number of Days applying for leave

Select No. of days

Submit Details



5.2 IMPLEMENTATION CODE

Admin Login:

```
Imports System.Data
Imports System.Data.SqlClient
Imports System.Data.Sql
Imports System.Web.Security
Imports System.Web.SessionState
Partial Class adminlog
    Inherits System.Web.UI.Page
    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        Dim title = "MsgBox Demonstration"
    End Sub
    Protected Sub Btnsubmit_Click(sender As Object, e As EventArgs) Handles Btnsubmit.Click
        Dim con As New SqlConnection
        Dim cmd As New SqlCommand
        Dim sda As SqlDataAdapter
        Dim ds As DataSet
        con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True")
        con.Open()
        sda = New SqlDataAdapter("select adminname,password from admin where adminname='" &
Tadminname.Text & "' And password='" & Tpwd.Text & "'", con)
        ds = New DataSet()
        sda.Fill(ds, "admin")
        If (ds.Tables("admin").Rows.Count > 0) Then
            MsgBox("Login Successful")
            Response.Redirect("ahome.aspx")
        Else
            MsgBox("Invalid Username and Password", MsgBoxStyle.OkCancel)
        End If
    End Sub
End Sub
```


Employee Details

```
Imports System.Data.Sql
Imports System.Data.SqlClient
Imports System.Data.SqlTypes
Imports System.Data
Imports System.Configuration
Imports System.Web.Security
Partial Class employeeedetails
    Inherits System.Web.UI.Page
    Protected Sub Btnsavedetails_Click(sender As Object, e As EventArgs) Handles
Btnsavedetails.Click
        Dim con As New SqlConnection
        Dim sda As SqlDataAdapter
        con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True")
        con.Open()
        sda = New SqlDataAdapter("select did,cid from empdetails where did=" & did.Text & " and
cid=" & cid.Text & "", con)
        Dim dt As DataTable = New DataTable()
        sda.Fill(dt)

        If dt.Rows.Count.ToString() = "1" Then
            MsgBox("EmpID already exists")
        ElseIf mobile.Text = "" Then
            MsgBox("Please Enter the Details")
        Else
            Dim command As New SqlCommand("insert into empdetails( did, dname, cid, cname,
designation, mobile, password,dno,depotname,emailid) values (@did, @dname, @cid, @cname,
@designation, @mobile, @password, @dno, @depotname, @emailid)", con)
            command.Connection = con
            command.Parameters.AddWithValue("@did", did.Text)
            command.Parameters.AddWithValue("@dname", dname.Text)
            command.Parameters.AddWithValue("@cid", cid.Text)
            command.Parameters.AddWithValue("@cname", cname.Text)
            command.Parameters.AddWithValue("@designation", designation.SelectedValue.ToString())
            command.Parameters.AddWithValue("@mobile", mobile.Text)
            command.Parameters.AddWithValue("@password", password.Text)
            command.Parameters.AddWithValue("@dno", depotno.SelectedValue.ToString())
            command.Parameters.AddWithValue("@depotname", depotname.SelectedValue.ToString())
            command.Parameters.AddWithValue("@emailid", email.Text)
            command.ExecuteNonQuery()
            con.Close()
            MsgBox("Data Saved Successfully")
            Response.Redirect("~/employeeedetails.aspx")
        End If
        did.Text = ""
        dname.Text = ""
        cid.Text = ""
```



```
    cname.Text = ""
    password.Text = ""
    mobile.Text = ""
End Sub
Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
    End Sub
Protected Sub Btndetails_Click(sender As Object, e As EventArgs) Handles Btndetails.Click
    Dim connection As New SqlConnection
    Dim sda As New SqlDataAdapter
    Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
    Dim command As New SqlCommand("select * from regidetails where mobile = @mobile",
connection)
    connection = New SqlConnection(constring)
    connection.Open()
    command.Connection = connection
    Dim adapter As New SqlDataAdapter(command)
    Dim tran As New DataTable()
    adapter = New SqlDataAdapter("select * from regidetails where mobile = " & mobile.Text & "",
connection)
    adapter.Fill(tran)
    If tran.Rows.Count() > 0 Then
        password.Text = tran.Rows(0)(4).ToString()
        email.Text = tran.Rows(0)(7).ToString()
    Else
        MsgBox("No Record Found")
    End If
End Sub
Protected Sub Btneid_Click(sender As Object, e As EventArgs) Handles Btneid.Click
    If designation.SelectedValue = "Driver" Then
        did.Text = designation.Text + Tuid.Text()
    ElseIf designation.SelectedValue = "Conductor" Then
        cid.Text = designation.Text + Tuid.Text
    End If
End Sub
Protected Sub BtnReject_Click(sender As Object, e As EventArgs) Handles BtnReject.Click
    Dim con As New SqlConnection
    Dim cmd As New SqlCommand
    Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
    con = New SqlConnection(constring)
    cmd.Connection = con
    con.Open()
    cmd.CommandText = ("DELETE FROM regidetails WHERE userid=@userid")
    cmd.Parameters.AddWithValue("@userid", Tuid.Text)
    If cmd.ExecuteNonQuery = 1 Then
        MsgBox("Are you sure that you want to Reject this User?", MsgBoxStyle.Question)
        MsgBox("Deleted Successfully", MsgBoxStyle.OkOnly)
    Else
        MsgBox("Error!! Not able to delete", MsgBoxStyle.OkOnly)
    End If
    con.Close()
```

```
Response.Redirect("employeeDetails.aspx")
```

```
End Sub
```

```
End Class
```

Employee Schedule

```
Imports System.Data.SqlClient
```

```
Imports System.Data.Sql
```

```
Imports System.Data.SqlTypes
```

```
Imports System.Web
```

```
Imports System.Data
```

```
Partial Class empschedule
```

```
Inherits System.Web.UI.Page
```

```
Public str As String
```

```
Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
```

```
Dim con As New SqlConnection
```

```
Dim cmd As New SqlCommand
```

```
Dim sda As SqlDataAdapter
```

```
con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated Security=True")
```

```
con.Open()
```

```
str = "select sid from tripdetails where did='" + Session("id") + "' or cid='" + Session("id") + "'"
```

```
cmd = New SqlCommand(str, con)
```

```
sda = New SqlDataAdapter(cmd)
```

```
Dim dt As DataTable = New DataTable
```

```
sda.Fill(dt)
```

```
If dt.Rows.Count.ToString() > 0 Then
```

```
Label2.Text = dt.Rows(0)(0).ToString()
```

```
Else
```

```
Label2.Text = "Scheduling is not yet fixed"
```

```
Btncrew.Visible = False
```

```
Btntrip.Visible = False
```

```
End If
```

```
End Sub
```

```
Protected Sub Btntrip_Click(sender As Object, e As EventArgs) Handles Btntrip.Click
```

```
Dim con As New SqlConnection
```

```
Dim cmd As New SqlCommand
```

```
con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated Security=True")
```

```
con.Open()
```

```
cmd = New SqlCommand("select date, routeno, source, destination, distance, vno, trip from tripdetails where sid='" + Label2.Text + "'", con)
```

```
cmd.ExecuteNonQuery()
```

```
cmd.Connection = con
```

```
GridView1.DataSource = cmd.ExecuteReader
```

```
GridView1.DataBind()
```

```
If GridView1.Rows.Count > 0 Then
```

```
GridView1.HeaderRow.Cells(0).Text = "Date"
```

```
GridView1.HeaderRow.Cells(1).Text = "Route Number"
```

```
GridView1.HeaderRow.Cells(2).Text = "Source"
```

```
GridView1.HeaderRow.Cells(3).Text = "Destination"
```

```

        GridView1.HeaderRow.Cells(4).Text = "Distance"
        GridView1.HeaderRow.Cells(5).Text = "Vehicle Number"
        GridView1.HeaderRow.Cells(6).Text = "Number of Trips"
    End If
End Sub
Protected Sub Btnback_Click(sender As Object, e As EventArgs) Handles Btnback.Click
    Response.Redirect("uhome.aspx")
End Sub
Protected Sub Btncrew_Click(sender As Object, e As EventArgs) Handles Btncrew.Click
    Dim con As New SqlConnection
    Dim cmd As New SqlCommand
    con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True")
    con.Open()
    cmd = New SqlCommand("select did, dname, cid, cname from tripdetails where sid=" +
Label2.Text + "'", con)
    cmd.ExecuteNonQuery()
    cmd.Connection = con
    GridView2.DataSource = cmd.ExecuteReader
    GridView2.DataBind()
    If GridView2.Rows.Count > 0 Then
        GridView2.HeaderRow.Cells(0).Text = "DriverID"
        GridView2.HeaderRow.Cells(1).Text = "DriverName"
        GridView2.HeaderRow.Cells(2).Text = "ConductorID"
        GridView2.HeaderRow.Cells(3).Text = "ConductorName"
    End If
End Sub
End Class

```

Trip Scheduling

```

Imports System.Data
Imports System.Configuration
Imports System.Data.SqlClient
Imports System.Web.Security
Imports System.Data.Sql
Imports System.Data.SqlTypes
Partial Class trip
    Inherits System.Web.UI.Page
    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
    End Sub
    Protected Sub Btnschedule_Click(sender As Object, e As EventArgs) Handles Btnschedule.Click
        Dim con As New SqlConnection
        Dim sda As SqlDataAdapter
        Dim cmd As New SqlCommand
        con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True")
        Try
            If FileUpload1.HasFile Then
                con.Open()

```

```

cmd = New SqlCommand("insert into tripdetails(sid, date, did, dname, cid, cname, routeno,
source, destination, distance, vno, trip, pdf) values (" & sid.Text & ", " & sdate.Text & ", " & did.Text
& ", " & dname.Text & ", " & cid.Text & ", " & cname.Text & ", " & routeno.SelectedValue & ", "
& source.Text & ", " & dest.Text & ", " & distance.Text & ", " & vehino.SelectedValue & ", " &
tottrip.Text & ", " & FileUpload1.FileName & ")", con)
cmd.ExecuteNonQuery()
FileUpload1.SaveAs(Server.MapPath(FileUpload1.FileName))
con.Close()
con.Open()
sda = New SqlDataAdapter("select sid from tripdetails where sid=" & sid.Text & "", con)
Dim dtas As DataTable = New DataTable()
sda.Fill(dtas)
MsgBox("Trip has been Assigned Successfully", MsgBoxStyle.OkOnly)
Else
MsgBox("Failed To Schedule Sid Already Exists", MsgBoxStyle.Critical)
End If
Response.Redirect("~/trip.aspx")
con.Close()
sid.Text = ""
sdate.Text = ""
did.Text = ""
dname.Text = ""
cid.Text = ""
cname.Text = ""
source.Text = ""
dest.Text = ""
distance.Text = ""
tottrip.Text = ""
Catch df As Exception
Console.WriteLine("Schedule Has Been Already Assigned", df)
End Try
Dim sqlda As SqlDataAdapter
Dim command As New SqlCommand
con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True")
con.Open()
sqlda = New SqlDataAdapter("select sid from tripdetails where sid=" & sid.Text & "", con)
Dim dt As DataTable = New DataTable()
sqlda.Fill(dt)
If dt.Rows.Count.ToString() = "1" Then
MsgBox("Schedule ID already Exists")
End If
con.Close()
Dim veh As SqlDataAdapter
con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True")
con.Open()
veh = New SqlDataAdapter("select vno from tripdetails where vno=" &
vehino.SelectedValue.ToString() & "", con)
Dim datatb As DataTable = New DataTable()
veh.Fill(datatb)
If datatb.Rows.Count.ToString() = "1" Then

```

```

    MsgBox("Vehicle has been already assigned to Another Schedule")
End If
con.Close()
End Sub
Protected Sub Btnroute_Click(sender As Object, e As EventArgs) Handles Btnroute.Click
    Dim conn As New SqlConnection
    Dim cmd As New SqlCommand("select * from routedetails where routeno = @routeno", conn)
    Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
    conn = New SqlConnection(constring)
    conn.Open()
    cmd.Connection = conn
    cmd.Parameters.Add("@routeno", SqlDbType.NVarChar).Value =
routeno.SelectedValue.ToString()
    Dim adapter As New SqlDataAdapter(cmd)
    Dim tran As New DataTable()
    adapter.Fill(tran)
    source.Text = ""
    distance.Text = ""
    dest.Text = ""
    If tran.Rows.Count() > 0 Then
        source.Text = tran.Rows(0)(1).ToString()
        dest.Text = tran.Rows(0)(2).ToString()
        distance.Text = tran.Rows(0)(3).ToString()

    Else
        MsgBox("No Record found!!", MsgBoxStyle.OkOnly)
    End If
End Sub
Protected Sub conductor_Click(sender As Object, e As EventArgs) Handles conductor.Click
    Dim connection As New SqlConnection
    Dim sda As New SqlDataAdapter
    Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
    Dim command As New SqlCommand("select * from empdetails where cid = @cid", connection)
    connection = New SqlConnection(constring)
    connection.Open()
    command.Connection = connection
    Dim adapter As New SqlDataAdapter(command)
    Dim tran As New DataTable()
    adapter = New SqlDataAdapter("select * from empdetails where cid=" & cid.Text & "",
connection)
    adapter.Fill(tran)
    If tran.Rows.Count() > 0 Then
        cname.Text = tran.Rows(0)(3).ToString()
    Else
        MsgBox("Conductor Record not Found")
    End If
End Sub
Protected Sub driver_Click(sender As Object, e As EventArgs) Handles driver.Click
    Dim connection As New SqlConnection
    Dim sda As New SqlDataAdapter

```

```

Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
Dim command As New SqlCommand("select * from empdetails where did = @did", connection)
connection = New SqlConnection(constring)
connection.Open()
command.Connection = connection
Dim adapter As New SqlDataAdapter(command)
Dim tran As New DataTable()
adapter = New SqlDataAdapter("select * from empdetails where did='" & did.Text & "'",
connection)
adapter.Fill(tran)
If tran.Rows.Count() > 0 Then
    dname.Text = tran.Rows(0)(1).ToString()
Else
    MsgBox("Driver Record not Found")
End If
End Sub

Protected Sub Btnmodify_Click(sender As Object, e As EventArgs) Handles Btnmodify.Click
    Dim con As New SqlConnection
    Dim cmd As New SqlCommand
    con.ConnectionString = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
    con.Open()
    cmd.Connection = con
    cmd = New SqlCommand("Update tripdetails set sid='" + sid.Text + "', date='" + sdate.Text + "',
did='" + did.Text + "', dname='" + dname.Text + "', cid='" + cid.Text + "', cname='" + cname.Text + "',
routeno='" + routeno.Text + "', source='" + source.Text + "', destination='" + dest.Text + "', distance='"
+ distance.Text + "', vno='" + vehino.Text + "', trip='" + tottrip.Text + "' where sid='" + sid.Text + "'",
con)
    cmd.ExecuteNonQuery()
    con.Close()
    MsgBox("Trip has been updated Successfully", MsgBoxStyle.OkOnly)
    Response.Redirect("~/trip.aspx")
    con.Close()
    sid.Text = ""
    sdate.Text = ""
    did.Text = ""
    dname.Text = ""
    cid.Text = ""
    cname.Text = ""
    source.Text = ""
    dest.Text = ""
    distance.Text = ""
    tottrip.Text = ""
End Sub

Protected Sub Btndelete_Click(sender As Object, e As EventArgs) Handles Btndelete.Click
    Dim con As New SqlConnection
    Dim cmd As New SqlCommand
    Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
    con = New SqlConnection(constring)
    cmd.Connection = con

```

```

con.Open()
cmd.CommandText = ("DELETE FROM tripdetails WHERE sid=@sid")
cmd.Parameters.AddWithValue("@sid", sid.Text)
If cmd.ExecuteNonQuery = 1 Then
    MsgBox("Are you sure that you want to delete this Schedule?", MsgBoxStyle.Question)
    MsgBox("Deleted Successfully", MsgBoxStyle.OkOnly)
Else
    MsgBox("Error!! Not able to delete", MsgBoxStyle.OkOnly)
End If
con.Close()
Response.Redirect("~/trip.aspx")
End Sub
Protected Sub Btngetsid_Click(sender As Object, e As EventArgs) Handles Btngetsid.Click
    Dim connection As New SqlConnection
    Dim sda As New SqlDataAdapter
    Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
    Dim command As New SqlCommand("select * from tripdetails where sid = @sid", connection)
    connection = New SqlConnection(constring)
    connection.Open()
    command.Connection = connection
    Dim adapter As New SqlDataAdapter(command)
    Dim tran As New DataTable()
    adapter = New SqlDataAdapter("select * from tripdetails where sid='" & sid.Text & "'",
connection)
    adapter.Fill(tran)
    If tran.Rows.Count() > 0 Then
        sdate.Text = tran.Rows(0)(1).ToString()
        did.Text = tran.Rows(0)(2).ToString()
        dname.Text = tran.Rows(0)(3).ToString()
        cid.Text = tran.Rows(0)(4).ToString()
        cname.Text = tran.Rows(0)(5).ToString()
        routeno.Text = tran.Rows(0)(6).ToString()
        source.Text = tran.Rows(0)(7).ToString()
        dest.Text = tran.Rows(0)(8).ToString()
        distance.Text = tran.Rows(0)(9).ToString()
        vehino.Text = tran.Rows(0)(10).ToString()
        tottrip.Text = tran.Rows(0)(11).ToString()
    Else
        MsgBox("Schedule ID Not Exists")
    End If
End Sub
Protected Sub Btnback_Click(sender As Object, e As EventArgs) Handles Btnback.Click
    Response.Redirect("ahome.aspx")
End Sub
End Class

```

Registration

```

Imports System.Data.SqlClient
Imports System.Data

```


Partial Class regiss

Inherits System.Web.UI.Page

Protected Sub Btnapply_Click(sender As Object, e As EventArgs) Handles Btnapply.Click

Dim con As New SqlConnection

Dim sda As New SqlDataAdapter

Dim cmd As New SqlCommand

con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated Security=True")

con.Open()

cmd = New SqlCommand("insert into regidetails values('" & name.Text & "','" & dob.Text & "','" & DropDownList1.SelectedValue & "','" & dlno.Text & "','" & pwd.Text & "','" & mobile.Text & "','" & userid.Text & "','" & emailid.Text & "')", con)

cmd.ExecuteNonQuery()

con.Close()

Response.Write("Registered successfully")

name.Text = ""

dob.Text = ""

DropDownList1.Text = ""

pwd.Text = ""

mobile.Text = ""

userid.Text = ""

End Sub

Sub autouserid()

Try

Dim con As New SqlConnection

con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated Security=True")

con.Open()

Dim cmd As SqlCommand

cmd = New SqlCommand("SELECT MAX([userid]) As Expr1 From [regidetails]", con)

Dim dr As SqlDataReader = cmd.ExecuteReader

If dr.Read = True Then

userid.Text = dr.Item(0) + 1

Else

Exit Sub

End If

Catch ex As Exception

MsgBox(ex.Message)

End Try

End Sub

Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load

autouserid()

End Sub

Protected Sub Btnback_Click(sender As Object, e As EventArgs) Handles Btnback.Click

Response.Redirect("home.aspx")

End Sub

End Class

Mail

Imports System.Data.SqlClient

Imports System.Net.Mail

Imports System.Data

Partial Class mail

Inherits System.Web.UI.Page

Protected Sub Btnsend_Click(sender As Object, e As EventArgs) Handles Btnsend.Click

Try

Dim SmtplibServer As New SmtplibClient()

Dim mail As New MailMessage()

SmtplibServer.Credentials = New _

Net.NetworkCredential("cace08f41f00a6df63b1b4ec759e9222",

"d9ce9f1e5d971058546d050bde16fc0e")

SmtplibServer.Port = 587

SmtplibServer.Host = "in-v3.mailjet.com"

mail = New MailMessage()

mail.From = New MailAddress("shalininityanand1913@gmail.com")

mail.To.Add(temail.Text)

mail.Subject = ("BMTC DEPO ID & PASSWORD ")

mail.Body = " Employee id(EID)" + teid.Text + " & Password " + tpswd.Text + ".NOW YOU

CAN LOGIN TO DSS USING THIS CREDENTIALS"""

SmtplibServer.Send(mail)

MsgBox("mail send")

Catch ex As Exception

MsgBox(ex.ToString)

End Try

End Sub

Protected Sub Btnback_Click(sender As Object, e As EventArgs) Handles Btnback.Click

Response.Redirect("ahome.aspx")

End Sub

Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load

End Sub

Protected Sub Btnget_Click(sender As Object, e As EventArgs) Handles Btnget.Click

Dim connection As New SqlConnection

Dim sda As New SqlDataAdapter

Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated Security=True"

Dim command As New SqlCommand("select * from empdetails where did = @did or cid = @cid", connection)

connection = New SqlConnection(constring)

connection.Open()

command.Connection = connection

Dim adapter As New SqlDataAdapter(command)

Dim tran As New DataTable()

adapter = New SqlDataAdapter("select * from empdetails where did='" & teid.Text & "' or cid='" & teid.Text & "'", connection)

adapter.Fill(tran)

If tran.Rows.Count() > 0 Then

temail.Text = tran.Rows(0)(9).ToString()

tpswd.Text = tran.Rows(0)(6).ToString()

Else

MsgBox("No Record Found")

End If

End Sub

End Class

Salary Details

```
Imports System.Data.Sql
Imports System.Data.SqlClient
Imports System.Data.SqlTypes
Imports System.Data
Imports System.Configuration
Imports System.Web.Security
Partial Class hr
    Inherits System.Web.UI.Page
    Protected Sub Btnsave_Click(sender As Object, e As EventArgs) Handles Btnsave.Click
        Try
            Dim con As New SqlConnection
            Dim command As New SqlCommand("insert into hr( eid, ename, designation, depotname,
salary)values(@eid, @ename, @designation, @depotname, @salary)", con)
            Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
            con = New SqlConnection(constring)
            con.Open()
            command.Connection = con
            command.Parameters.AddWithValue("@eid", eid.Text)
            command.Parameters.AddWithValue("@ename", ename.Text)
            command.Parameters.AddWithValue("@designation", designation.SelectedValue.ToString())
            command.Parameters.AddWithValue("@depotname", depot.SelectedValue.ToString())
            command.Parameters.AddWithValue("@salary", salary.Text())
            If command.ExecuteNonQuery() = 1 Then
                MsgBox("Details Saved Successfully", MsgBoxStyle.OkOnly)
            Else
                MsgBox("Error !! while saving Details", MsgBoxStyle.OkOnly)
            End If
            con.Close()
            eid.Text = ""
            ename.Text = ""
        Catch ab As Exception
            Console.WriteLine("Salary Has Been Already Assigned", ab)
        End Try
    End Sub
    Protected Sub Btnview_Click(sender As Object, e As EventArgs) Handles Btnview.Click
        Dim connection As New SqlConnection()
        Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
        Dim command As New SqlCommand
        connection = New SqlConnection(constring)
        connection.Open()
        command.Connection = connection
        Dim adapter As New SqlDataAdapter(command)
        Dim tran As New DataTable()
        If designation.SelectedValue = "Driver" Then
            adapter = New SqlDataAdapter("select * from empdetails where did=" & eid.Text & "",
connection)
            adapter.Fill(tran)
```

```

ename.Text = ""
depot.Text = ""
salary.Text = 50000
If tran.Rows.Count() > 0 Then
    ename.Text = tran.Rows(0)(1).ToString()
    depot.Text = tran.Rows(0)(8).ToString()
Else
    MsgBox("NO Record Found")
End If
ElseIf designation.SelectedValue = "Conductor" Then
    adapter = New SqlDataAdapter("select * from empdetails where cid=" & eid.Text & "",
connection)
    adapter.Fill(tran)
    ename.Text = ""
    depot.Text = ""
    salary.Text = 42000
    If tran.Rows.Count() > 0 Then
        ename.Text = tran.Rows(0)(3).ToString()
        depot.Text = tran.Rows(0)(8).ToString()
    Else
        MsgBox("NO Record Found")
    End If
End If
End Sub
Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
End Sub
Protected Sub Btnget_Click(sender As Object, e As EventArgs) Handles Btnget.Click
    Dim connection As New SqlConnection()
    Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
    Dim command1 As New SqlCommand
    connection = New SqlConnection(constring)
    connection.Open()
    command1.Connection = connection
    Dim adapter1 As New SqlDataAdapter(command1)
    Dim tran1 As New DataTable()
    If designation.SelectedValue = "Driver" Then
        adapter1 = New SqlDataAdapter("select * from leave where eid=" & eid.Text & "",
connection)
        adapter1.Fill(tran1)
        day.Text = ""
        If tran1.Rows.Count() > 0 Then
            day.Text = tran1.Rows(0)(4).ToString()
        Else
            MsgBox("NO Record Found")
        End If
    ElseIf designation.SelectedValue = "Conductor" Then
        adapter1 = New SqlDataAdapter("select * from leave where eid=" & eid.Text & "",
connection)
        adapter1.Fill(tran1)
        day.Text = ""
        If tran1.Rows.Count() > 0 Then

```

```

    day.Text = tran1.Rows(0)(4).ToString()
Else
    MsgBox("NO Record Found")
End If
End If
End Sub
Protected Sub Btnncalc_Click(sender As Object, e As EventArgs) Handles Btnncalc.Click
    salary.Text = salary.Text - (day.Text * 500)
End Sub
End Class

```

Apply Leave

```

Imports System.Data.SqlClient
Imports System.Data
Partial Class leave
    Inherits System.Web.UI.Page
    Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles Btnsubmit.Click
        Dim con As New SqlConnection
        Dim sda As New SqlDataAdapter
        Dim cmd As New SqlCommand
        con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True")
        con.Open()
        sda = New SqlDataAdapter("select did,cid from empdetails where did=" & TextBox1.Text & " or
cid=" & TextBox1.Text & "", con)
        Dim dt As DataTable = New DataTable()
        sda.Fill(dt)
        If dt.Rows.Count.ToString() = "1" Then
            cmd = New SqlCommand("insert into leave values(" & TextBox1.Text & "," & leaveid.Text &
", " & Tbdate.Text & ", " & Tbdesc.Text & ", " & DropDownList1.Text & ")", con)
            cmd.ExecuteNonQuery()
            con.Close()
            autoleaveid()
            Response.Write("Leave Applied Successfully")
            Tbdate.Text = ""
            Tbdesc.Text = ""
            DropDownList1.Text = ""
        Else
            Response.Write("Invalid Username")
        End If
    End Sub
    Sub autoleaveid()
        Try
            Dim con As New SqlConnection
            con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True")
            con.Open()
            Dim cmd As SqlCommand
            cmd = New SqlCommand("SELECT MAX([leaveid]) As Expr1 From [leave]", con)
            Dim dr As SqlDataReader = cmd.ExecuteReader

```

```

    If dr.Read = True Then
        leaveid.Text = dr.Item(0) + 1
    Else
        Exit Sub
    End If
Catch ex As Exception
    MsgBox(ex.Message)
End Try
End Sub
Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
    Dim con As New SqlConnection
    con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True")
    autoleaveid()
    TextBox1.Text = Session("id")
End Sub
End Class

```

Leave details

```

Imports System.Data.SqlClient
Imports System.Data
Imports System.Net
Imports System.Web
Imports System.Collections.Specialized
Imports System.IO
Imports System.Text
Imports System.Net.Mail
Partial Class levdetails
    Inherits System.Web.UI.Page
    Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles Btnupdate.Click
        Response.Redirect("trip.aspx")
    End Sub

    Protected Sub Button2_Click(sender As Object, e As EventArgs) Handles Btngetemail.Click
        Dim connection As New SqlConnection
        Dim sda As New SqlDataAdapter
        Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
        Dim command As New SqlCommand("select * from empdetails where did = @did or cid = @cid",
connection)
        connection = New SqlConnection(constring)
        connection.Open()
        command.Connection = connection
        Dim adapter As New SqlDataAdapter(command)
        Dim tran As New DataTable()
        adapter = New SqlDataAdapter("select * from empdetails where did='" & Tbeid.Text & "' or
cid='" & Tbeid.Text & "'", connection)
        adapter.Fill(tran)
        If tran.Rows.Count() > 0 Then
            Tbemail.Text = tran.Rows(0)(9).ToString()
        Else

```

```

    MsgBox("Schedule ID Not Exists")
End If
End Sub
Protected Sub Button3_Click(sender As Object, e As EventArgs) Handles Btnsend.Click
Try
    Dim SmtServer As New SmtClient()
    Dim mail As New MailMessage()
    SmtServer.Credentials = New _
    Net.NetworkCredential("cace08f41f00a6df63b1b4ec759e9222",
"d9ce9f1e5d971058546d050bde16fc0e")
    SmtServer.Port = 587
    SmtServer.Host = "in-v3.mailjet.com"
    mail = New MailMessage()
    mail.From = New MailAddress("shalininityanand1913@gmail.com")
    mail.To.Add(Tbemail.Text)
    mail.Subject = ("BMTC LEAVE DECISION ")
    mail.Body = " DEAR " + Tbeid.Text + " YOUR APPLICATION FOR LEAVE REQUEST
HAS BEEN " + Tbdesc.Text + ""
    SmtServer.Send(mail)
    MsgBox("mail has been sent")
Catch ex As Exception
    MsgBox(ex.ToString)
End Try
End Sub
End Class

```

PDF Upload

```

Imports System.Data.Sql
Imports System.Data.SqlClient
Imports System.Data.SqlTypes
Partial Class pdfupload
    Inherits System.Web.UI.Page
    Dim con As New SqlConnection
    Dim cmd As New SqlCommand
    Dim f_id As Integer = 0
    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        con.ConnectionString =
ConfigurationManager.ConnectionStrings("dssConnectionString").ConnectionString
        con.Open()
    End Sub
    Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        cmd.CommandText = "select max(fid) from File1"

```

```

cmd.Connection = con
Dim ckh As Object = cmd.ExecuteScalar
If IsDBNull(ckh) Then
    f_id = 1
Else
    cmd.CommandText = "select max(fid) from file1"
    cmd.Connection = con
    f_id = cmd.ExecuteScalar()
    f_id += 1
End If
If FileUpload1.HasFile Then
    cmd.CommandText = " insert into File1(fid, fname) values(" & f_id & "," &
FileUpload1.FileName & ")"
    cmd.Connection = con
    cmd.ExecuteNonQuery()
    con.Close()
    FileUpload1.SaveAs(Server.MapPath(FileUpload1.FileName))
End If
Response.Redirect("~/pdfupload.aspx")

End Sub
End Class

```

Routes

```

Imports System.Data
Imports System.Data.SqlClient
Imports System.Data.Sql
Imports System.Web.Security
Imports System.Web.SessionState
Partial Class routes
    Inherits System.Web.UI.Page
    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
    End Sub
    Protected Sub Btnsave_Click(sender As Object, e As EventArgs) Handles Btnsave.Click
        Dim con As New SqlConnection
        Dim sda As SqlDataAdapter
        con = New SqlConnection("Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True")

```



```

con.Open()
sda = New SqlDataAdapter("select routeno from routedetails where routeno=" & routeno.Text &
"", con)
Dim dt As DataTable = New DataTable()
sda.Fill(dt)
If dt.Rows.Count.ToString() = "1" Then
    MsgBox("Route already exists")
Else
    Dim command As New SqlCommand("insert into routedetails(routeno, source, destination,
distance, stops) values (@routeno, @source, @destination, @distance, @stops)", con)
    command.Connection = con
    command.Parameters.AddWithValue("@routeno", routeno.Text)
    command.Parameters.AddWithValue("@source", source.Text)
    command.Parameters.AddWithValue("@destination", destination.Text)
    command.Parameters.AddWithValue("@distance", distance.Text)
    command.Parameters.AddWithValue("@stops", stops.Text)
    command.ExecuteNonQuery()
    con.Close()
    MsgBox("Route Details Saved Successfully")
    Response.Redirect("routes.aspx")
End If
routeno.Text = ""
source.Text = ""
destination.Text = ""
distance.Text = ""
stops.Text = ""
End Sub
Protected Sub Btndelete_Click(sender As Object, e As EventArgs) Handles Btndelete.Click
    Dim con As New SqlConnection
    Dim cmd As New SqlCommand
    Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
    con = New SqlConnection(constring)
    cmd.Connection = con
    con.Open()
    cmd.CommandText = ("DELETE FROM routedetails WHERE routeno=@routeno")
    cmd.Parameters.AddWithValue("@routeno", routeno.Text)
    If cmd.ExecuteNonQuery = 1 Then
        MsgBox("Are you sure that you want to delete this Route details?", MsgBoxStyle.Question)
        MsgBox("Route detail Deleted Successfully", MsgBoxStyle.OkOnly)
    Else
        MsgBox("Error!! Not able to delete", MsgBoxStyle.OkOnly)
    End If
    con.Close()
    Response.Redirect("routes.aspx")
End Sub
Protected Sub Btnback_Click(sender As Object, e As EventArgs) Handles Btnback.Click
    Response.Redirect("ahome.aspx")
End Sub
Protected Sub Btnmodify_Click(sender As Object, e As EventArgs) Handles Btnmodify.Click
    Dim con1 As New SqlConnection
    Dim cmd1 As New SqlCommand

```



```

Dim constring As String = "Data Source=LAPTOP-EG0DKIOE;Initial Catalog=dss;Integrated
Security=True"
con1 = New SqlConnection(constring)
cmd1.Connection = con1
con1.Open()
cmd1.CommandText = ("Update routedetails set source=@source , destination=@destination ,
distance=@distance , stops=@stops WHERE routeno=@routeno")
cmd1.Parameters.AddWithValue("@routeno", routeno.Text)
cmd1.Parameters.AddWithValue("@source", source.Text)
cmd1.Parameters.AddWithValue("@destination", destination.Text)
cmd1.Parameters.AddWithValue("@distance", distance.Text)
cmd1.Parameters.AddWithValue("@stops", stops.Text)
If cmd1.ExecuteNonQuery = 1 Then
    MsgBox("Are you sure that you want to modify this Route details?", MsgBoxStyle.Question)
    MsgBox(" Route detail updated Successfully", MsgBoxStyle.OkOnly)
Else
    MsgBox("Error!! Not able to delete", MsgBoxStyle.OkOnly)
End If
con1.Close()
Response.Redirect("routes.aspx")
End Sub
End Class

```

6. SAMPLE REPORT AND TEST CASES

Sl. No	Test ID	Form	Test Description	Steps to Execute	Test data	Expected Result	Actual Result	Status

1	T_01	Logi n form	Checking User-id	Type User-id	Empi d	Logged-in Successfully	Logged-in Successfully	PASS
2	T_02	Logi n form	Checking Case Sensitive	Type User-id	Empi d	Only Uppercase character and numbers are allowed	Only Uppercase character and numbers are allowed	PASS
3	T_03	Logi n form	Typing password	Type passwo rd	passw ord	Logged-in Successfully	Logged-in Successfully	PASS
4	T_04	Logi n form	Validating password	Type passwo rd	Bhara th	Minimum 5 character are allowed	Minimum 5 character are allowed	PASS
5	T_05	Logi n form	Checking User-id and password	Type User-id and passwo rd	blank	Please enter user-id and password	Please enter user-id and password	PASS
6	T_06	Sche dulin g	Checking his Schedule	Viewin g using employ ee id	Sched ule id	Schedule details for particular schedule id	Schedule details for particular schedule id	PASS

7	T_07	Sche dulin g	Checking his Schedule when not allocated	Viewin g using emp id	Sched ule id	Scheduling is not yet fixed	Scheduling is not yet fixed	PASS
---	------	--------------	--	-----------------------	--------------	-----------------------------	-----------------------------	------

8	T_08	Leave	Applying for leave by giving description	Apply by logging in	Empid	Leave Applied Successfully	Leave Applied Successfully	PASS
9	T_09	Leave	Applying without description	Description checking	blank	Leave not Applied	Leave not Applied	PASS
10	T_10	Leave	Applying without date	Validating date	blank	Leave not applied	Leave not applied	PASS
11	T_11	Leave	Applying with date	Checking date	18/08/1999	Leave Applied Successfully	Leave Applied Successfully	PASS
12	T_12	Leave details	Updating the employees	Click on Update	Update employees	Employee sare updated	Employeesare updated	PASS
13	T_20	Employee details	Validating phone number	Enter mobile number	blank	Enter Phone Number	Please Enter Phone Number	PASS
14	T_21	Trip Details	Providing Schedule ID	Enter Schedule id	S1	Scheduling successful	Scheduling successful	PASS

15	T_21	Trip Details	Providing schedule id	Schedule id not entered	null	Scheduling unsuccessful	Scheduling unsuccessful	PASS
----	------	--------------	-----------------------	-------------------------	------	-------------------------	-------------------------	------

16	T_ 22	Trip Details	Providing Number of Trips	Enter No of Trips	1	Scheduling Successful	Scheduling successful	PASS
17	T_ 23	Trip Details	Providing Number of Trips	Enter No of Trips	null	Scheduling Unsuccessful	Scheduling Unsuccessful	PASS
18	T_ 30	HR	Entering Employee ID	Enter Employ ee id	D1	Salary Details Saved	Salary Details Saved	PASS

7. CONCLUSION AND FUTURE ENHANCEMENT

Our Project DEPOT Scheduling and Services has successfully created a user-friendly environment in Scheduling process. Our Project is flexible and changes can be incorporated easily. It is designed in a way that further modifications to the system can be easily done.

The “DEPOT Scheduling and Services” is a Web-Application. This application has been computed successfully and was tested successfully by taking “Test-Cases”. It is user friendly and has required options, which can be utilized by the admin to perform the desired operations. From a proper analysis of positive points and constraints on the component, it can be safely concluded that this website is a very efficient and it can be easily used in many other systems. This application provides an efficient way to handle the operations and the user interface is very friendly for an amateur user as well as for the experienced user.

The future enhancement can be summarized as:

- We will host a mobile app for the scheduling information. This will make the user to view quickly and can check anywhere at any time efficiently.
- This can be done for many divisions in India.
- Maintenance shed can be kept for the testing and repairing of buses.
- Salary can be updated for employees based on by monitoring their attendance.