G.S.R.T.C.

DEVELOPMENT AT

Shree M.N.Virani Science Collage, Rajkot.

AS A PARTIAL FULFILLMENT OF

(B.C.A)-6

-: DEVELOPED BY :-

PATHAN IKBAL

&

PATEL KISHAN

-: GUIDED BY :-

Mr.Pradiq Sir & Mr.Keyur Sir

-: SUBMITTED TO :-

Saurashtra University, Rajkot
ACKNOWLEDGEMENT

The presentation of this report gives me the feeling of fulfillment. As the final frontier towards achieving a B.C.A.’s degree, the activity going through industrial orientation has bridged the gap between the academics and practical real-life work for me. It has prepared me to apply myself to become good IT Professional. I take this opportunity to acknowledge their support to me.

I sincerely thank my department for the academic advancement it has provides to me during the 6th semester of B.C.A and provided me an opportunity for the project work.

Last but not the least I would like to thank my parents and other family members who have been always guided me towards the path of success and friends who have helped me indirectly throughout the entire project duration and also have been the source of encouragement. Finally, my sincere thanks to my classmates for provide innumerable discussions on many procedures and tips.
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INTRODUCTION

PROJECT SUMMARY:

Travel Booking is basically a web application which is developed in ASP.NET 2008. We have used C# language for server side coding and SQL Server for the database. Internet helps people to move around the world.

Internet use has made communication faster, provides information from the corners of the world, made our work trouble-free and speedy. Today’s life is so busy and people have no time for standing in queue, or waiting for anything. So, to make life easy for people we make a small web service for travel management. It gives facility to book bus tickets online easily and speedy.

In the Travel Booking there are two levels of users. Administrator and User. Here administrator can add or modify data. User can view, booked and purchasing the Tickets.

PURPOSE:

Using this web based application user can make online searching and purchasing from any place. The main objective is user convenience. E-BUS Ticket provides easy user interface, simple processing, and easy to use application.

❖ To reduce the manual work of task allocating, gathering reply from the employee.

❖ Increase the efficiency and accuracy of administration.

❖ Record the total work done report of the organization.

❖ Online allocation of the tasks to the employees.

❖ Reduce the stationary costs and miscellaneous costs of administration department.
SCOPE OF PROJECT:

E-Bus Ticket Book is a web application from which any person can reserve seats online without physically presence of person. All the related information of the travel and its schedule can be provided by this website so the person can get each and every information of the travel. Also the user can get the information related to site.

TECHNOLOGY AND LITERATURE REVIEW:

In developing the Travel Booking, we have used ASP.NET 2008. In which C# is used for server side coding. SQL Server is used for as the database. In which .Net framework 2.0 is included. Here are the some features of Asp.Net 2.0 and C# 2.0.

❖ **FrontEnd Contains:**

  -- Asp.NET

  -- Adobe Photoshop

❖ **BackEnd Contains:**

  -- Microsoft SQL Server 2008
TOOLS & PLATFORM

ASP.NET:-

What is ASP.NET?

• At a high level, ASP.NET is a collection of .NET classes that collaborate to process an HTTP request and generate an HTTP response
  – Some classes are loaded from system assemblies
  – Some classes are loaded from GAC assemblies
  – Some classes are loaded from local assemblies

• To work with ASP.NET, you must build your own classes that integrate into its existing class structure
  – Some of your classes will be in pre-built assemblies
  – Some of your classes will be in assemblies generated implicitly from ASP.NET files (aspx, ashx, asmx ...)

HTTP request
(form data, HTTP header data)

HTTP response
HTML, XML

ASP page
(static HTML, server-side logic)
**MicroSoft SQL Server 2008:-**

Microsoft SQL Server is a complete database and analysis solution for rapidly delivering the next generation of scalable web application. Sql Server is key component in supporting e-commerce, line-of-business, and data warehousing application, while offering the scalability necessary to supporting growing, dynamic environment. Sql Server includes rich support for Extensible Markup Language (XML), and other Internet Language formats; Performance and availability features to ensure uptime; and advanced management and tuning functionality to automate routine tasks and lower the total cost of ownership.

- **PLATFORM:-**

**Windows XP:-**

Windows XP is more convenient and easier to use. All the tools mentioned above works better under Windows compared to other platform.
Hardware and software Requirements

Hardware Requirements:

- Intel Pentium 4 1GHz processor
- 500MB SDRAM
- 20GB Hard disk space
- Internet Connection

Software Requirements:

- Windows XP SP2 or later
- Microsoft Visual Studio 2008
- Microsoft .Net Framework v2.0
- SQL server 2005
- Microsoft Office 2003
Limitation

Limitations

- Payment Gateway has not been implemented.
- Administrator cannot generate monthly or day wise reports.

Future Analysis

- New Companies can be added.
- Package tours can be facilitated in the site.
- Archive can be maintained.
Use Case Diagram

Functions Of System:

This diagram describes the use case diagram of the Travel booking.
E-R Diagram

This diagram indicates that E-R Diagram
Activity Diagram

- Root Monitoring
- Reply View
- Generate Root
- Allocate Root
- Update Root
- Close Route
- Root View
- Route Reaply
- Close Route
Context Diagram

This diagram gives the information or the context of the Travel Booking.
**Data Dictionary**

Data is the key to the overall system design and must be structured to meet the user requirement. The collection of structured data builds up data dictionary, which is an important tool in data flow analysis. The complete set of data definitions provides the basis of the data dictionary. It facilitates cross-referencing and assessment of the implication of changes. Each data item is uniquely identified by its definitions but referred by different name at different tables.

**Branch Detail:**

<table>
<thead>
<tr>
<th>Column Name</th>
<th>Data Type</th>
<th>Allow Nulls</th>
</tr>
</thead>
<tbody>
<tr>
<td>B_id</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>Branch_City</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>Br_addr</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>PhoneNo</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>Person_Name</td>
<td>varchar(50)</td>
<td></td>
</tr>
</tbody>
</table>

This table is used to maintain the information of the new branch.

**Bus_Detail:**

<table>
<thead>
<tr>
<th>Column Name</th>
<th>Data Type</th>
<th>Allow Nulls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bus_id</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>B_time</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>Amt</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
</tbody>
</table>

This table is used to maintain the information of the new bus.

B.C.A sem-6
Bus_type:

<table>
<thead>
<tr>
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<th>Data Type</th>
<th>Allow Nulls</th>
</tr>
</thead>
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<td>id</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>varchar(50)</td>
<td>✔</td>
</tr>
<tr>
<td>Total_Seats</td>
<td>numeric(18, 0)</td>
<td>✔</td>
</tr>
</tbody>
</table>

This table is used to maintain the information of the bus type.

City_Master:

<table>
<thead>
<tr>
<th>Column Name</th>
<th>Data Type</th>
<th>Allow Nulls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cid</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>varchar(50)</td>
<td>✔</td>
</tr>
</tbody>
</table>

This table is used to maintain the information of the new city.
FAQ:

This table is used to maintain the information of the frequency ask questions.

News_Detail:

This table is used to maintain the information of News detail.
Res_Detail:

<table>
<thead>
<tr>
<th>Column Name</th>
<th>Data Type</th>
<th>Allow Nulls</th>
</tr>
</thead>
<tbody>
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<td></td>
</tr>
<tr>
<td>Bus_id</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>User_Name</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>Amt</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>Tickets</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>Total_Amt</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>Dept_time</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>Book_Date</td>
<td>datetime</td>
<td></td>
</tr>
<tr>
<td>Booked_Date</td>
<td>datetime</td>
<td></td>
</tr>
</tbody>
</table>

This table is used to maintain the information of Result tickets booked.

Route_Detail:

<table>
<thead>
<tr>
<th>Column Name</th>
<th>Data Type</th>
<th>Allow Nulls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Route_id</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>Bus_id</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>Amt</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
</tbody>
</table>

This table is used to maintain the information of Route details.

B.C.A sem-6
User_Master:

<table>
<thead>
<tr>
<th>Column Name</th>
<th>Data Type</th>
<th>Allow Nulls</th>
</tr>
</thead>
<tbody>
<tr>
<td>User_Name</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>Password</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>char(1)</td>
<td></td>
</tr>
<tr>
<td>Authorize</td>
<td>bit</td>
<td></td>
</tr>
<tr>
<td>FirstName</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>LastName</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>Pincode</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>EmailID</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>PhoneNo</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>MobNo</td>
<td>numeric(18, 0)</td>
<td></td>
</tr>
<tr>
<td>sec_Queue</td>
<td>varchar(50)</td>
<td></td>
</tr>
<tr>
<td>sec_ANS</td>
<td>varchar(50)</td>
<td></td>
</tr>
</tbody>
</table>

This table is used to maintain the information of user.
Home Page:

Welcome to E-Bus Tickets

HOME PAGE

Avail yourself the luxury of booking with us from the comfort of your denizen and travel in style. What's more, we help you book the best seats at the best vantage points of your choice in the bus.

We pride ourselves on our ability to sell an extensive selection of quality services at very affordable prices. And making your journey totally hassle-free for a journey of a lifetime.

For your convenience, we are open 7 days a week, 24 hours a day. Log in now.

For any queries contact us

A-4,
150 feet ring road,
Mavdi main road,
Mr. Radhika Restora.
Regd at 560011.
Login Page:

This is Login page of my site, the admin can perform operation to add, edit and delete new bus, and also change all the information related to bus traveling.
Add New Bus :

Add New Bus:

ADD NEW BUS

<table>
<thead>
<tr>
<th>Time</th>
<th>Type</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00AM</td>
<td>100 Express (A/C)</td>
<td>Snagag Edit Delete Display</td>
</tr>
<tr>
<td>9:30AM</td>
<td>100 Express</td>
<td>Snagag Edit Delete Display</td>
</tr>
<tr>
<td>1:00AM</td>
<td>50 Local</td>
<td>Snagag Edit Delete Display</td>
</tr>
<tr>
<td>6:10AM</td>
<td>45 Express</td>
<td>Snagag Edit Delete Display</td>
</tr>
<tr>
<td>6:30AM</td>
<td>42 Local</td>
<td>Snagag Edit Delete Display</td>
</tr>
</tbody>
</table>

Admin also edit or delete the New bus.
Add New City:

Admin also edit or delete the City Name.
Admin also edit or delete the News List.
**News:**

Admin also add the new news list.
FAQ:

Admin also List of FAQ.

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Admin also reply the Answer query.
Reports:

Admin also display the reports.
**E-Bus Ticket**

**Bus Report:**

<table>
<thead>
<tr>
<th>Type</th>
<th>Bus_Time</th>
<th>Amount</th>
<th>City</th>
<th>Total Seats</th>
</tr>
</thead>
<tbody>
<tr>
<td>Express(A/C)</td>
<td>9:00/AM</td>
<td>100</td>
<td>Sagar</td>
<td>50</td>
</tr>
<tr>
<td>Express</td>
<td>8:35/AM</td>
<td>100</td>
<td>Sagar</td>
<td>45</td>
</tr>
<tr>
<td>Local</td>
<td>1:00/AM</td>
<td>50</td>
<td>Sagar</td>
<td>60</td>
</tr>
<tr>
<td>Express</td>
<td>6:10/AM</td>
<td>45</td>
<td>Limbdi</td>
<td>45</td>
</tr>
<tr>
<td>Local</td>
<td>6:30/AM</td>
<td>42</td>
<td>Sagar</td>
<td>60</td>
</tr>
</tbody>
</table>
Booking Report:

<table>
<thead>
<tr>
<th>User_Name</th>
<th>City</th>
<th>No Of Tickets</th>
<th>Total Amount</th>
<th>Dept Time</th>
<th>Book Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>jeevsh</td>
<td>Nashik</td>
<td>3</td>
<td>300</td>
<td>8:35AM</td>
<td>9/20/2010</td>
</tr>
<tr>
<td>sanghi</td>
<td>Nashik</td>
<td>2</td>
<td>200</td>
<td>8:35AM</td>
<td>11/1/2013</td>
</tr>
</tbody>
</table>
City wise Report:

CITY WISE REPORT

Select City:

<table>
<thead>
<tr>
<th>Bus Time</th>
<th>Amt</th>
<th>Type</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:35 AM</td>
<td>100</td>
<td>Express</td>
<td>Mumbai</td>
</tr>
</tbody>
</table>

- Summer bonanza
- monsoon
- winter bonanza
- monsoon bonanza
Branch List:

Admin also edit or delete the Branch list.

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Registration Page:

This is the Registration page create new user.
**City Wise Bus List:**

User can search the list of City wise bus.
The user can ticket booking detail.
Type wise Bus:

The search for type wise bus list.
### Canceling page:

Welcome, Sangita

<table>
<thead>
<tr>
<th>User_name</th>
<th>City</th>
<th>Amount</th>
<th>No of Tickets</th>
<th>Total Amount</th>
<th>Dept.Time</th>
<th>Bank Date</th>
<th>Delete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jayesh</td>
<td>Nashik</td>
<td>100</td>
<td>5</td>
<td>500</td>
<td>8:35 AM</td>
<td>9/20/2010</td>
<td>Delete</td>
</tr>
<tr>
<td>Sangita</td>
<td>Nashik</td>
<td>100</td>
<td>2</td>
<td>200</td>
<td>8:35 AM</td>
<td>11/1/2010</td>
<td>Delete</td>
</tr>
</tbody>
</table>

This page for the canceling ticket details.
FAQ:

User also any query in this page.
The user can change the password.
About Us:

Details of the my company ebustickets.

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Sitemap Page:

Welcome to E-Bus Tickets

SITE MAP PAGE

- Home
  - This is Home Page and after clicking on you will get Home page.
- About Us
  - This Page gives information about the company.
- Contact Us
  - This Page gives contact details of company.
- Login
  - This Page is used to log in.
- FAQ
  - This Page is used for Frequently Asked Questions.
- Forget Password
  - This Page is used if you forget password.
- Thanks
CONCLUSION

E-Bus Ticket book works satisfactorily. Using it the users and the administrator can perform the function appropriately. The result of the application is pleasing.

The website gives accurate and desired results in various ways. Overall the performance of the application is near to perfection. It works according to user’s demand.

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