

CHAPTER ONE

INTRDUCTION

1.1 Background of Study

The word transport means movement of people or goods from one place to another, through the means of human, cars, ship, trains, animals e.t.c. According to Dr. Jean-Paul Rodrigue, Dr. Brian Slack and Dr. Claude Comtois in the Geography of Transportation(2010), transport modes are the means by which people and freight achieve mobility. They fall into one of three basic types, depending on over what surface they travel- land(road, rail and pipeline), water(shipping) and air. Each mode is characterized by a set of technical, operational and commercial characteristics.

The transport of a person or of cargo may involve one mode or several modes, with the latter case called intermodal or multimodal transport. The human-powered transport makes use of human muscle- power in the form of walking and running. However, modern technologies have been used to create machines that enhance human-power. Human-power transport remains popular for reasons of cost saving, leisure and physical exercise. The human-power transport is sometimes the only type available, especially in underdeveloped or inaccessible regions. It is considered as an ideal form of sustainable transportation. Although, humans are able to walk without infrastructure, the transport can be enhanced through the use of roads, especially when using the human-power with vehicles, such as bicycles and inline skates. We also have other means of transport including aviation, which is transport by air; Marine transport which is the means of transportation that make use of river or sea where the mode of movement is through the use of canoes, ship; transport by rail which makes use of railways and the means of transport is by train; finally, we have the transit which is the major aim of the research work, and makes use

of road to transport people or goods from one place, town to another. And the means of transport is through the use of Cars, Bus and Lorries.

Management Information System which is a computer-based information system that uses data recorded by TPS as input to produce routine reports to assist middle managers in tactical decision making.

This research work is a Web-Based Road Transport Management System that will aid the manager in decision making.

1.2 Statement of Problem

The travel agent of a transport company always find it difficult when booking is made for passengers because of the increase in the number of passengers at a time and this usually results in queuing and standing for a long time when buying tickets. Over-booking for a limited number of seats is a daily problem. The present system makes job tedious and management do not get fast information for decision making. With the increased number of staff and agents in the company, staff nominal roll does not give easy and fast access to staff information like grade level, year of employment, salary e.t.c. Some staff may be omitted when such names are needed like in the case of staff promotion and salary payment due to loss or neglect of staff files. The web-based information system is to be developed with a new faced of tackling such major challenges by conventional transport system.

1.3 Aims and Objectives

The aim of this project work is to extract vital information from the existing system, manipulate and upgrade it by designing and development of a web based Road Transport Management Information System that will achieve the following objectives:

- (i) To provide high quality information for management decision making at appropriate time.

- (ii) To reduce if not eliminate redundant files.
- (iii) To generate weekly or monthly report for the management.
- (iv) To provide faster system response time.
- (vi) To have a true understanding of the inherent problems associated with the conventional operation of road transport system.
- (vii) To design and develop a Web-Based Road Transport Management Information System that will aid Management in decision making.

1.4 Scope of Study

This project work covers the survey on the information recording and retrieval system of Delta line Transport Company, kwale Depot. This information includes, ticketing, seat reservation and management of staff information.

1.5 Significance of Study

This work examines the extent to which the introduction of computer shall affect the information generation and management system of the Delta Line Transport Company. It is expected that at the end of the study, Delta Line Management will see and know the benefit of computer in the overall operation of the Delta Line Transport System.

1.6 Research Methodology

Rapid Application Development (RAD) will be used in the development of the system. This is a software development methodology that uses minimal planning in favor of rapid prototyping (en.wikipedia.org/wiki/Rapid_application_development). It is suitable for this project that uses minimal planning in favor of rapid prototyping. The software used for the development of the system is Visual Basic.net while other software includes HTML, PHP DREAM WAYER e.tc.

1.7 Limitation of Study

Payment with smart card will not be possible due to lack of fund to get the interswitch facilities that are expected in this area. However payment will be done by direct payment into bank account.

1.8 Definition of Terms

System: A system is a group of interrelated component working together toward a common goal by accepting input and producing output in an organized transformation process. (Brine, 1996).

Information Management: This involves the utilization of material equipment and human resources to identify, generate, process and store information for eventual retrieval and dissemination to be used by management or individual reception objective.

Information System: Information system is defined as a set of interrelated components that collects or retrieves, process and store information to support decision making and control in an establishment.

Management Information System (MIS): which is a computer-based information system that uses data recorded by TPS as input to produce routine reports to assist managers in tactical decision making?

Transportation: Transportation is the movement of people from one place to another.

Booking: This is the arrangement of seat on a bus made by a travel agent for passengers.

Passengers: A passenger is a person who travels from one place to another by the means of a transporting system.

Ticket: Ticket is a printed paper that entitles the holder to board a particular means of commercial transportation.

Manifest: This is a form that passengers fill their personal information, next of kin and also his or her departure place and destination respectively

CHAPTER TWO

LITERATURE REVIEW

2.1 Overview of Transportation

According to Brown (1992) transportation is the movement of people and goods from one place to another. Transport on roads can be grouped into two categories namely; Transportation of goods and Transportation of people. In many countries licensing requirements and safety regulations ensure a separation of the two services.

The nature of road transportation of goods depends, apart from the degree of development of the local infrastructure, on the distance the goods are transported by road, the weight and volume of the individual shipment and the type of goods transported. For short distances and light, small shipments a van or pickup truck may be used. For large shipments even if less than a full truckload (Less than truckload) a truck is more appropriate. People (the passengers) are transported on roads either in individual cars or automobiles, or in mass transit by bus or coach.

Transportation system is referred to as the equipment and logistics of transporting passengers and goods. It covers movement by all forms of transport, from cars and buses to boats, aircraft and even space travel. Transportation systems are employed in troop movement logistics and planning, as well as in running the local school bus services.

2.2 Types of Transportation System

The following are known categories of transportation systems.

(i) **Aviation Transport:** With the help of invention of airplane in 1903, transportation of people and goods from one city or country to another in a few minutes or hours came to reality. Joseph-Michel (1972).

According to the history of aviation, two brothers Orville and Wisdom Wright finally came up with the best air craft of A11. They built and rested many gliders using different wings designers and added a gasoline engine and propeller. Orville piloted the plane on its first successful flight in 1903 and killy Hawk, North Caroline and the ancient of joining the birds in flying came true.

And among all the means of transportation aviation happens to be the fastest because it travels through air and it is used for long distance journey, say from one country to another, in a few hours. Marion (2000).

(ii) **Marine Transport:** According to Rolla .N. Harger (1993) marine transport is the means of transportation system that makes use of river or sea for transportation of people or goods from one town to another or country to another country. This means of transportation makes use of canoes, ships and it also makes use of sea surface while submarine makes use of inside water for their operation. And during early rafts for water transportation system pioneers transporters used long raft for whatever was possible. Because water was easier to travel on rather than land. A large float boat could carry two or three families down and a river with their livestock and every thing else they owned.

(iii) **Rail Transport:** According to George Stephenson (1830). Rail Transport is more advantageous to take, this means of transportation system is particularly true in Europe or Japan. In various region around the world trains may be an excellent means of transportation and when planning a trip abroad or within the country.

(IV) **Transit Road Transport:** According to John Loudon MCAdam (1996-2000). Transit Road Transport is the means of transportation system which is the transit road transport, and it is also the means of transportation that makes use of road for transportation of people or goods from one place, one town to another. This means of transportation makes use of Cars, Buses or Lorries.

This means of transportation is cheaper, common and also will be the cardinal focus of this research work. So many land transportation industries or company are employed in carrying, traveling through a short or long distance such as the Delta Line Transport Company Kwale which can help human to their various destinations.

2.3 Information System

This is the process of combining people, hardware, software, communication devices, network and data resources to process (which can be storing, retrieving or transforming information) data and information for a specified purpose. Ekanem .BA. (2010). And according to Wikipedia.org, (IS) is a complimentary network of hardware and software that people and organizations use to collect, filter, process, create and distribute data.

2.3.1 Types of Information System

There are about six types of information system but only three will be discussed here.

- (1) **Transaction Processing System (TPS):** The transaction processing system helps to record the day to day transaction for Delta Line Transport company, kwale such as the passengers tickets, customer orders, bills inventory level and the production output. The transaction processing system (TPS) helps the

transportation company to supervise and generate data base that will act as the foundation for the other information system.

- (2) **Management Information System (MIS):** Is the computer-based information system that uses data recorded by TPS as input to produce routine reports to assist middle managers in tactical decision making. Ekanem.BA. (2010)
- (3) **Executive Support System (ESS):** This is an easy to use system that presents information in a very highly summarized form for the transport company. And it helps the top-level managers to oversee the company's operation and develop strategic plans for the transportation company. The ESS combines the internal data from TPS, MIS, and DSS with external data. (Laudin and Laudin 1996).

2.4 Operation of the Delta Line Transport System

In this place the finance and administration department oversees the operation of the entire department in the Delta Line Transport Company, Kwale. And each department has to send their accounts to this department at the end of every day transaction. The department takes care of the staff welfare, manages the income of the company, audit all departments of the company, as well as take care of the day to day administration work, such as the recruitment of staff and inspection of new vehicles to ascertain their roadworthiness. The machines undertakes the repair and maintenance of vehicle owned by the Delta Line Transport Company. Also each vehicle goes for registration or booking as it comes into the terminal and it is this registration number that is used in arranging the turn scheduling. This is done on first come first serve (FCFS) order. For the loading day, routes are classified into two categories which are long and short distance road. Long distance town e.g. are Lagos, Kano, Abuja, Kaduna e.tc. While short distance roads and routes within the state or to nearby states.

With the help of the online registration by passengers the passenger presents his or her slip to the booking officer at the booking section. Booking is well arranged and co-ordinate in a first come first serve manner and tickets or invoices are issued for long distance journey after payment is made by the passengers and the ticket is a must for all passengers embarking on long distance travels e.tc. This serves as passengers benefit incase of accident for easy location of passenger.

2.5 Analysis of the Existing System

The present form of operation of the Delta Line Transport Company Kwale is booking and it is done manually by personal visit to the booking office, where the passengers will not be allocated seat as soon as they arrive the booking office. They have to give their personal data like name, address, phone number e.t.c to the booking officers and the passenger or customer will be asked to pay their fare, after an invoice has been issued to the passenger and the passengers are not complete they will be asked to wait or comeback to reconfirm his or her seat and the passenger's name will be written in the passenger's manifest which is a legal name list of passengers who have completed the necessary formalities to go on the journey.

Furthermore, I found out that the Delta Line Transport Company Kwale is having problems with their customers because of the way they carry out their operation which is the manual system. So I am introducing a web-based development system to the Delta Line Transport Company Kwale to help them carry out their operation effectively, the passengers should just go online which is the Delta Line Transport Company web site, it will help them know how the Delta Line Transport Company carry out their operations such as the seat arrangement, how many vehicles travels per day, the various destinations they

travel to and also the particular time the vehicle that the passenger booked for will be ready for the journey.

So in this case all the passenger need is to fill the form online, submit and print his or her own copy then 30munte before the journey the passenger will go to the Delta Line Transport company booking office and present his/her registration slip that has been printed out from the company web site for them to cross check and invoice will be printed out to the passenger after the payment of the fare. And I think that this will help the Delta Line Transport Company to solve their current problem with their customer instead of making use of the manual system for there business.

2.5.1 Disadvantages Of The Present System

- (i) Retrieval of information is very slow.
- (ii) The system is not dynamic, it dose not have a database.
- (iii) The information of passengers can be easily misplaced.
- (iv) There is slow satisfaction of customers.

2.5.2 Analysis of the Proposed System

The proposed system have the following modules for passengers so that they can apply for booking, order for vehicles that have been uploaded, for buying of tickets that have been uploaded for sale and placement of information about bookings. This system also provides an administrative environment where by administrators can manage information on the system.

2.5.3 Advantages of the Proposed System

- (i) The designing of a passenger friendly website with an electronic form where passengers can apply for seats and obtain other information online.
- (ii) The information about passenger's interest and other information will be easily stored in the database of the system for easy retrieval.

2.5.4 Disadvantages of the Proposed System

This system is expected to improve the operations of the firm, but the only challenges expected to be faced by the firm with the new system is to carry out proper maintainers of the system.

CHAPTER THREE

SYSTEM DESIGN

3.1 Objective of the Design

The objective of the new system to be built is show the input, process, output and storage design. It will also specify the requirement of the system or paper, which is documenting the system's expectation and implementation.

3.2 Main Menu

The main menu of the program comprises of the different user guide and procedure of the software operation. This is the page that directs the easy operation of the program with different menus that enable the user to navigate between pages.

3.2.1 Main Menu Page

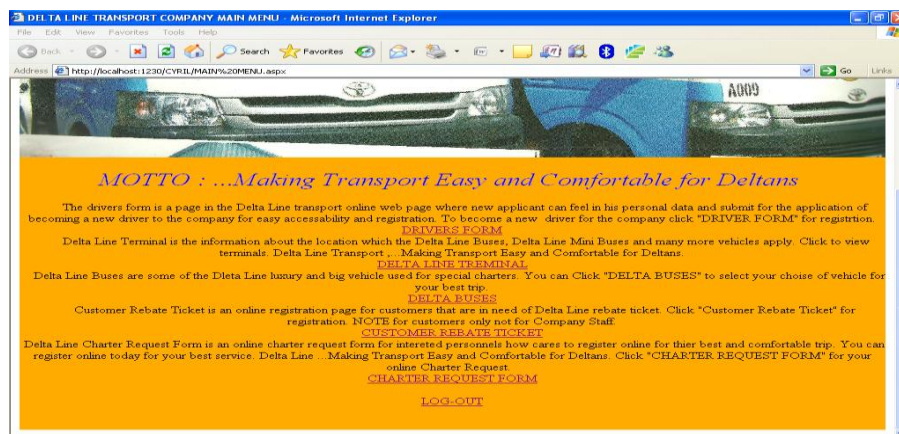


Fig. 1: Main Menu

3.3 Hierarchy Chart

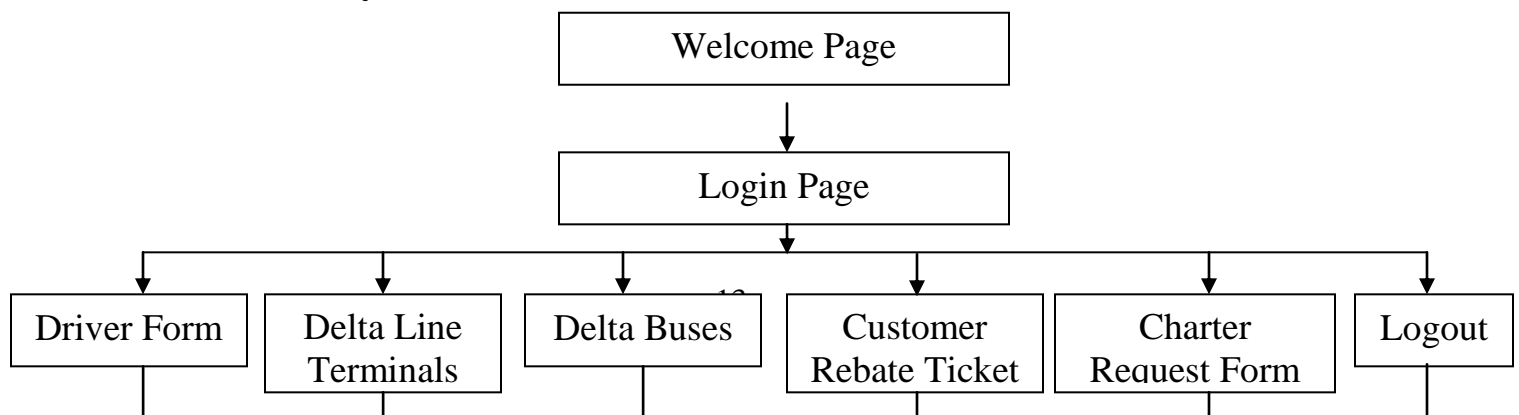


Fig. 2: Hierarchy Chart

3.4 Input Design

The input design is concerned with the procedure used in entering data into the computerized transport record booking and ticketing system.

Since computer operates with garbage-in-garbage-out (GIGO) what it takes is what it gives. The input design uses initiated interface in the form of interactive questions on the screen of the computer whereas the output resides in the memory as customer data for its file name.

3.4.1 Input Design of Driver Application Form

This describes the drivers application form of the transport company, it enable the incoming personnel to apply for the job.

DRIVER APPLICATION FORM - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://localhost:1230/CYRIL/DRIVERS%20FORM.aspx> Go Links

MOTTO : ...making transport easy and comfortable for Deltans.

SURNAME	<input type="text"/>	L G A	<input type="text"/>
OTHER NAMES	<input type="text"/>	STATE	<input type="text"/>
MARITAL STATUS	SELECT <input type="button" value="v"/>	NATIONALITY	<input type="text"/>
DATE OF BIRTH	<input type="text"/>	NEXT OF KIN	<input type="text"/>
AGE	<input type="text"/>	MARITAL STATUS	SELECT <input type="button" value="v"/>
PHONE NUMBER	<input type="text"/>	OCCUPATION	<input type="text"/>

HOME ADDRESS	<input type="text"/>	ADDRESS	<input type="text"/>
CONTACT ADDRESS	<input type="text"/>	PHONE NUMBER	<input type="text"/>
E-MAIL	<input type="text"/>	E-MAIL	<input type="text"/>

[SUBMIT DETAILS](#)

Fig. 3: Input Design of Driver Application Form

3.4.2 Input Design of Delta Line Terminal Schedules and Contacts

This describes the Delta Line Terminal Schedule and Contact form for easy ticket booking in the transport company.

The screenshot shows a web browser window titled "DELTA LINE TERMINAL - Microsoft Internet Explorer". The address bar displays "http://localhost:1230/CYRIL/DELTA%20LINE%20TERMINAL5%20PAGE.aspx". The page features a header with a car image and the motto: "...making transport easy and comfortable for Deltans". Below this is the main title "DELTA LINE TERMINAL SCHEDULES & CONTACT". The form consists of several input fields labeled "VEHICLE TYPE", "NUMBER", "FROM", "TO", "DATE", "TIME", and "DRIVER". A "Submit" button is located below the fields. At the bottom, there are two links: "View Delta Line On Board" and "Delta Line Buses".

VEHICLE TYPE	NUMBER	FROM	TO	DATE	TIME	DRIVER
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

[View Delta Line On Board](#) [Delta Line Buses](#)

Fig. 4: Input Design of Delta Line Terminal Schedules and Contacts

3.4.3 Input Design of Customer Rebate Ticket

The Customer Rebate Ticket describes the Delta Line official application form for easy access to the customers rebate ticket for the transport company.

The screenshot shows a web browser window titled "CUSTOMER REBATE TICKET - Microsoft Internet Explorer". The address bar displays "http://localhost:1230/CYRIL/CUSTOMER%20REBATE%20TICKET.aspx". The page features a banner for the "DELTA STATE URBAN MASS TRANSIT SCHEME" with a photo of a bus stop and a "DELTA city Bus" logo. Below the banner, the text "WELCOME" and "ONLINE DELTA LINE TRANSPORT NIGERIA" is visible, along with the motto: "...making transport easy and comfortable for Deltans". The main heading is "CUSTOMER REBATE TICKET". Below this, there is a search bar with the placeholder text "ENTER YOUR SURNAME AND RUN SEARCH" and a "RUN SEARCH" button. The form itself is set against a green background and includes a header image of people on a bus. The form fields are as follows:

SURNAME	<input type="text"/>
FIRST NAME	<input type="text"/>
OTHER NAME	<input type="text"/>
OCCUPATION	<input type="text"/>
PHONE NUMBER	<input type="text"/>
MARITAL STATUS	<input type="text"/>
HOME ADDRESS	<input type="text"/>
CONTACT ADDRESS	<input type="text"/>
NATIONALITY	<input type="text"/>
STATE	<input type="text"/>
L G A	<input type="text"/>
E-MAIL	<input type="text"/>

At the bottom of the form, there are two buttons: "REGISTER" and "DELETE". The footer text reads "Delta Line On Board Delta Buses".

Fig. 5: Input Design of Customer Rebate Ticket

3.4.4 Input Design of Charter Request Form

The charter request form enables the user to make request of Delta Line Bus for quick movement from one location to another.

CHARTER REQUEST - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://localhost:1230/CYRIL/CHARTER%20REQUEST.aspx> Go Links

Delta City Bus **ONLINE DELTA LINE TRANSPORT NIGERIA**
MOTTO: ...making transport easy and comfortable for Deltans

CHARTER REQUEST FORM

PERSONNEL NAME	<input type="text"/>
TERMINAL	<input type="text"/>
CHARTER DATE	<input type="text"/>
TIME	<input type="text"/>
PHONE NUMBER	<input type="text"/>
CHOICE OF VEHICLE	<input type="text"/>
HOME ADDRESS	<input type="text"/>
DESTINATION ADDRESS	<input type="text"/>
NATIONALITY	<input type="text"/>
STATE	<input type="text"/>
L G A	<input type="text"/>
E-MAIL	<input type="text"/>

Delta Bus On Board - Delta Line Buses

Fig. 6: Input Design for Charter Request Form

3.5 Processing Design

The processing design describes the program of the design of the Development of Web-Based Road Transport Management Information System

3.6 System Specification

The system design produces a physical design of the computerized (web-Based) Transport Records Booking and Ticketing system.

The physical design describes the hardware and software requirement and operating procedures that enables the computerized transport records booking and ticketing system logical design become feasible. The computerized (web-based) transport record booking and ticketing system for the various departments in the Delta Line Transport Company, Kwale is organized according to the need of the activities of the transport company.

Taking into consideration the different department in the transport company, there were four activities performed during the system design which included output design, input design, process design and software design.

3.7 Output Design

Output is defined as a term of describing what comes from the computer system at user's request. During an analysis and design of a system, output requirements are what the input and processing procedures will be and the output considered in this project work includes.

Some of the Dependable Drivers that Enhance the Effectiveness of the Line					
SNAME	OTHER_NAMES	MARITAL_STATUS	DATE_OF_BIRTH	AGE	PHONE_NUMBER
Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound

¹¹ AccessDataSource - AccessDataSource1
¹² SqlDataSource - SqlDataSource1

Fig. 7: Output Design of the Driver Form

VEHICLE TYPE	NUMBER	FROM	TO	TIME	DATE	DRIVER
Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound

AccessDataSource - AccessDataSource2
AccessDataSource - AccessDataSource1

Fig. 8: Output Design of Delta Line Terminal

SURNAME	OTHER_NAMES	column1	CURRENT_CGPA	PHONE_NUMBER	MARITAL_STATUS
Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound

AccessDataSource - AccessDataSource1

Fig. 9: Output Design for Customer Rebate Ticket

PERSONNEL_NAME	TERMINAL	CHARTER_DATE	TIME	PHONE_NUMBER	CHIOCE_OF_VEH
Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound

AccessDataSource - AccessDataSource1

Fig. 10: Output Design for Charter Request

3.8 Database design

The database was designed using Ms Access (Microsoft Access Database Application Software). It is made up of tables. The tables are:

The database table designs are made up of two major columns which include field name and Data types.

Field Name: This holds the name of the field whose value is gotten from the web-based form.

Data Type: This holds the type of data in the columns; it determines the kind of value the user can store in the field.

The design view of the tables that constitute the data base is shown below.

VEHICLE TYPE	NUMBER	FROM	TO	DATE
MINI BUS	AAA 123 AQ	DELTA	CARLABA	03/07/09
DELTA LINE SHUTTLE	ABJ 123 BBC	DELTA	ABUJA	12 JUNE 2009
BUS	AH2635JJJ	DELTA	ONITSHA	12/05/2009
BUS	AH265JJJ	ONITSHA	LAGOS	20/5/09
COASTER B US	GGA 2345 ABJ	LAGOS	DELTA	09/06/09
BUS	JK546AA	LAGOS	JOS	3/4/2209

TIME	DRIVER
6.30AM	MR JOHN
7.00 AM	MR OKERE
7.35 A.M	BASUNDE
7.30 A.M	BEN
8.00 A.M PROMPT	KELVIN
7.34 A.M	

Fig. 11: Database Design for Charter Request Form

Database Design for Customers Rebate Ticket

SURNAME	FIRST NAME	OTHER NAME	OCCUPATION	PHONE NUMBER	MARITAL STATU	HOME ADDRESS	CONTACT ADDRESS	NATIONALITY	STATE	STATE	L G A	E-MAIL
IKORO	CYRIL	FRANK	STUDENT	08038455273	SINGLE	MBIERI	NEKEDE	NIGERIA	IMO STATE	IMO STATE	MBAITOLI	kelvinkline@yahoo.com
MADU	BEN	JOHN	BUSINESS	07039672873	SINGLE	NO 6 OWERRI ROAD ORJI	NEKEDE	NIGERIA	IMO STATE	IMO STATE	MBAITOLI	kelvi4real@yahoo.com
MADUKA	FRANCIS	CHRIS	CIVIL SERVANT	08038982785	SINGLE	NO. 50 UMURIM NEXEDI	NO. 23 LAGOS RD BENIN	NIGERIA	ABIA	ABIA SOUTH	ABA SOUTH	www.kelvo@yahoo.com
MIKE	BENSON	AYUS	BUSINESS	07098087213	SINGLE	NO. 14 KWALE ROAD, OZ	NO. 14 KWALE ROAD, C	NIGERIA	DELTA	DELTA	ISOKO NORTH	nnmmee@yahoo.com

IF “LOGIN IS VALID” THEN

20 MAIN MENU

ELSE

MESSAGE BOX “INVALID USERNAME OR PASSWORD”

IF DRIVER FORM THEN

DISPLAY “DRIVER FORM

ELSEIF DELTA LINE TERMINAL THEN

DISPLAY “DELTA LINE TERMINAL PAGE

ELSEIF DELTA BUSES THEN

DISPLAY “DELTA LINE BUSES PAGE

ELSEIF CUSTOMER REBATE TICKET THEN

DISPLAY “CUSTOMER REBATE TICKET PAGE”

ELSEIF CHARTER REQUEST FORM THEN

DISPLAY “CHARTER REQUEST FORM”

ESLEIF LOG-OUT THEN

GOTO 20

ENDIF

END

3.10 Choice of Programming Language

This project work “Development of a Web-Based Road Transport Management Information System” case study of Delta Line Transport Company Kwale, Delta State, Nigeria was designed with the use of Visual Studio 2005 programming language (ASP.Net Framework), a web based programming language.

CHAPTER FOUR

SYSTEM DOCUMENTATION AND IMPLEMENTATION

4.1 Introduction

System documentation refers to a written document of how the system works. It also contains information on how to install the system and other design issues that will help the user to understand it better. System implementation is the construction of the new system and its delivery into use.

4.2 Hardware/Software Requirement

The standard requirement for the effective operation of this system includes.

- (i) PHP programming language and MySQL Softwares.
- (ii) Operating system such as windows xp and above
- (iii) RAM size of 2GB and above
- (iv) Hard disk size of 80GB and above
- (v) Pentium iv and above

4.3 How to Install the Software

(1) Install the executable file that contains the server and MySQL server in the C-drive.

(2) Copy the website folder (Deltalinetransportkwale.org.ng).

4.4 How to Use the Software

(1) Launch the control panel by double clicking on it on the desktop or start menu.

(2) On the control panel window, click on start button and start MySQL Button.

(3) Launch internet explorer or mozilla firefox

(4) Enter the website address `htt: //localhost/ Deltalinetransportkwale.org.ng`.

4.5 Site Preparation and Conversion Arrangements

This project work was designed as a web-based application, but currently it is been run as local host on a personal system, in order for the application to work effectively, it has to be hosted on the internet.

4.6 Detailed Implementation Plan

This is the process of changing over from the old system to a new one which can be achieved using any of the following strategies: *Direct Parallel, Phase, or Pilot Conversion*.

4.6.1 Parallel Conversion

This conversion method means operating both the old and the new system side by side until the new one have provided itself reliable doubts at which stage the old system is discontinued completely. The value of this approach is that, if the new system fails, the organization can easily switch back to the old one without problems. However, bottleneck of this method is the additional expenses required to pay for the equipment and people to keep the two systems running simultaneously. Therefore the method adopted by this system is the parallel conversion.

4.7 System Testing

This system ensures that the system is error free. It involves the examination of the system to ascertain that it is logically and semantically correct. During testing, any program error otherwise called bug discovered in the program, is removed (debugged). Program debugging means removing bugs or program

errors from the computer program. The system undergoes the major tasks in system testing which are desk checking, program debugging and beta testing.

4.7.1 Desk Checking

Desk Checking simply means reading through, or checking the program to make sure that its free of errors and that the logic works correctly before the program is entered into the computer. In other word, desk checking is a way of proof reading the program.

4.7.2 Program Debugging

After desk checking the program, the program has to be entered into the computer and run with test data. Disk checking program does not mean that it is completely free from errors that escaped the desk checking process. it will doubtlessly surface from debugging program. An erroneous program will not run until the errors are removed. Program errors can be syntax error or logical error. Syntax errors are error due to typographical mistakes or incorrect use of control structure resulting in incorrect meaning of statements or results. Program debugging is sometimes called alpha testing since it involves the use of test data and not real world data like beta testing.

4.7.3 Beta Testing

Beta testing has to do with testing the program with real world data and real user must be conducted as soon as alpha testing is completed. At this stage, the program was tested with all possibilities, to make sure that it runs properly, it is

error free and there is accuracy which will lead to better performance of the system.

4.8 System Requirement

- (1) A standard keyboard and mouse
- (2) Laser jet or desk jet printer
- (3) An LCD Monitor and a CPU

4.9 Users Guide

There are basically two people qualified to use this system or software and they are the users and the administrator.

For the administrator to make use of the system, he/she has to log in with the appropriate password in order to access the control panel and view records stored in the database. Below is the process for Administrators:

To view or search for records in any of the database

- (i) Type username and password
- (ii) Click login
- (iii) Click on any desired options to view the database
- (iv) Select a start date and an end date
- (v) Click on view.

To upload a car/vehicle and arrangement of seat

- (i) Type username and password
- (ii) Click login

- (iii) Click on cars (vehicles)
- (iv) Type the brand of the car
- (v) Click on browse to upload the image of the car
- (vi) Type the fare of the car.

To upload Delta line Transport location and add a price

- (i) Type username and password
- (ii) Click login
- (iii) Click on browse to upload the image of the Delta Line Transport Company
- (iv) Type in to see the various departments in the Delta Line Transport Company.

To Order for a Car

- (i) Repeat steps i-ii
- (ii) Click on order now in the control panel
- (iii) Click on the order now icon affiliated to any vehicle of your choice
- (iv) Fill the form
- (v) Click on apply

To View the Contact Details of the Delta Line Transport Agents

- (i) Click on contact us menu
- (ii) Get the contact number of anyone

4.9.1 System Maintenance

This refers to modifying the information in the system to meet up with changes. Irrespective of how well designed, conducted and tested a system may be, errors will unavoidably occur. Corrective actions should be taken to update and amend such errors.

CHAPTER FIVE

SUMMARY AND CONCLUSION

5.1 Summary

In this twenty first century there is no doubt that the number of people who are computer literate have increased tremendously, with common use of the internets for commercial purpose, people are familiar with owning e-mail addresses and the use of the internet to search for information.

Hence this project work has been designed in way that will help to create the awareness of searching for transport companies and how they are operated on-line. There will be proper update of information, the firm can be able to place adverts of their transport system on line.

5.2 Problems Encountered During Study

In the process of carrying out this project work a lot of problems were encountered. In most case, there was difficulty in coming in contact with the transport agents, because they always had appointments with their client so the only way I resolved this was to book appointment with them.

5.3 Suggestions for Further Research

It is a clear fact that online or web-based Delta line Transport Company, Kwale has come to stay, since the manual system method is considered outdated. Therefore new development in Delta line Transport Company is considered to be a continuous process, so it is expected that such development or improvement must be inculcated in further research work that is to be carried out by any researcher.

5.4 Findings/Achievements

During the course of this research work I found out that the Delta Line Transport Company is using manual system which makes it difficult when booking is made for passengers because of the increase in the number of passengers at a time and this usually results in queuing and standing for a long time when buying tickets.

The achievements are as follows:

- (i) The development of an automated system that is suitable in replacing the manual system.
- (ii) The operation of the automated system is very fast
- (iii) It will help the administrator to view the database of the passengers.

5.5 Conclusion

Conclusively, computers when used properly can do things speedily and accurately, than humans. Hence, the computerization of every transport management outfit must be considerably done because the system has been tested and it can be trusted.

I recommend that private Delta Line Transport Company Developers and other transport firms that are still in use of manual system are encouraged to update their system in order for them to be major competitor in the business.

REFERENCES

Adewumi W. (1992). Introduction to Road Traffic Safety and Record Keeping. Ibadan press, Oyo State.

Asogwa S.E (1980). Some Characteristics of Drivers and Riders in Accidents in Nigeria: Level of Alcohol in the Blood of Automobile Drivers. Center Africa Journal Medicine. Pp171-174.

Austin, T. (2006). Learning Web Design Process Unicode GSB Publisher.s

Dr.Jean-Paul Rodrigue, Dr. Brian Slack and Dr. Claude Comtois-The geography of transport systems,Pp1(page 1)

Jennifer R. (2010). The Conceptual Framework of Personnel Management, Lagos, ABC Publishing, Pp55

Laudon W. and Laudon P. (2004). Elementary Data Communication Course, London, University Press LTD, Pp99.

Niederest, J. (1999). Web Design in a Nutshell, O. Reilly and Associates, Inc. Cambridge, USA.

Web Referente

http://en.wikipedia.org/wiki/Rapid_application_development

<http://www.moshoodabiolapolytechnic.com>

<http://www.handle.net/10211.9/299>

<http://cms.alstate.edu>

APPENDIX I

Source Code

```
<%@ Page Language ="vB" Debug ="false" %>
<%@ Import Namespace = "system" %>
<%@ Import Namespace ="system.web.services" %>
<%@ Import Namespace ="system.data" %>
<%@ Import Namespace ="system.Data.OleDb" %>
<%@ Import Namespace ="system.Web.UI.Page" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<script runat="Server" language="vbscript" >
Public Sub InsertRow(ByVal sender As Object, ByVal e As System.EventArgs)
    Dim connectionString As String =
"Provider=Microsoft.Jet.OLEDB.4.0;DATA SOURCE=" +
CStr(Server.MapPath("App_Data\M.mdb")) + ";" ' +
Server.MapPath("App_Data\Company_DBase.mdb") + ";"
    Dim insertSQL As String
    insertSQL = "INSERT INTO PERSONNEL VALUES " ', TypeOfService,
Address1, Address2, eMail, PostalAddress, Telephone1, Telephone2, Fax,
Username, Password) VALUES "
    insertSQL = insertSQL + "(" + Me.TXTPNAM.Text + "'"
    insertSQL = insertSQL + ", '" + Me.TXTTERM.Text + "'"
    insertSQL = insertSQL + ", '" + Me.TXTDATE.Text + "'"
    insertSQL = insertSQL + ", '" + Me.TXTTIME.Text + "'"
    insertSQL = insertSQL + ", '" + Me.txtNUM.Text + "'"
    insertSQL = insertSQL + ", '" + Me.TXTVEH.Text + "'"
    insertSQL = insertSQL + ", '" + Me.txtHADDRESS.Text + "'"
    insertSQL = insertSQL + ", '" + Me.TXTDADDRESS.Text + "'"
    insertSQL = insertSQL + ", '" + Me.txtNAT.Text + "'"
    insertSQL = insertSQL + ", '" + Me.txtSTATE.Text + "'"
    insertSQL = insertSQL + ", '" + Me.txtLGA.Text + "'"
    insertSQL = insertSQL + ", '" + Me.txtMAIL.Text + "'"

    'sql = sql + ", " & "-1"
```

```

insertSQL = insertSQL + ")"
MsgBox(insertSQL).ToString()
Using connection As New OleDbConnection(connectionString)
    ' The insertSQL string contains a SQL statement that
    ' inserts a new row in the source table.
    Dim command As New OleDbCommand(insertSQL)

    ' Set the Connection to the new OleDbConnection.

    command.Connection = connection

    ' Open the connection and execute the insert command.
    'Try
    connection.Open()
    command.ExecuteNonQuery()
    Me.TXTPNAM.Text = ""
    Me.TXTTERM.Text = ""
    Me.TXTDATE.Text = ""
    Me.TXTTIME.Text = ""
    Me.TXTNUM.Text = ""
    Me.TXTVEH.Text = ""
    Me.TXTHADDRESS.Text = ""
    Me.TXTDADDRESS.Text = ""
    Me.TXTNAT.Text = ""
    Me.TXTSTATE.Text = ""
    Me.TXTLGA.Text = ""
    Me.TXTMAIL.Text = ""
    'Catch ex As Exception
    '    Console.WriteLine(ex.Message)
    'End Try
    ' The connection is automatically closed when the
    ' code exits the Using block.
End Using
End Sub

```

```

Protected Sub cmdClear_Click(ByVal sender As Object, ByVal e As
System.EventArgs) Handles cmdClear.Click

```

```

    Me.TXTPNAM.Text = ""
    Me.TXTTERM.Text = ""
    Me.TXTDATE.Text = ""
    Me.TXTIME.Text = ""
    Me.TXTNUM.Text = ""
    Me.TXTVEH.Text = ""
    Me.TXTHADDRESS.Text = ""
    Me.TXTDADDRESS.Text = ""
    Me.TXTNAT.Text = ""
    Me.TXTSTATE.Text = ""
    Me.TXTLGA.Text = ""
    Me.TXTMAIL.Text = ""
End Sub

```

```

</script>
<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>CHARTER REQUEST</title>
</head>
<body>
    <form id="form1" runat="server" style="background-color: #004d1a">
        <div>
            <center >
                &nbsp;  </center>
            <center style="background-color: #00ff00">
                <asp:Image ID="IMAGE3" runat="Server" DescriptionUrl="DELTA1.jpg"
ImageUrl="DELTA1.jpg" Width="1000px" Height="400" />
                <asp:Table ID="Table2" CellSpacing ="0" runat="server" HorizontalAlign
="Center" Height="58px" Width="1000px" BorderWidth ="5" BorderColor
="GREEN">
                    <asp:TableRow ID="TableRow1" BackColor = "Thistle"
VerticalAlign ="Middle" runat="server" >
                        <asp:TableCell ID="TableCell1" ColumnSpan ="1" RowSpan
="1" Width ="250px" runat="server"><asp:Image ID="Image1" runat="server"
DescriptionUrl ="DELTA LOGO.jpg" ImageUrl ="DELTA LOGO.jpg" Height
="100px" Width="200px" /></asp:TableCell>

```

```

        <asp:TableCell ID="TableCell12" BackColor = "Blue"
ColumnSpan ="2" RowSpan ="1" Width ="600px" runat="server">
        <asp:Label ID="Label12" runat="server" Text=" ONLINE
DELTA LINE TRANSPORT NIGERIA" Height="40px" Width="600px" Font-Bold="True"
Font-Italic="True" Font-Names="Impact" Font-Size="XX-Large"
ForeColor="GreenYellow" ></asp:Label>
        <asp:Label ID="Label13" runat="server" Text="MOTTO:
...making transport easy and comfortable for Deltans" Height="20px"
Width="600px" Font-Bold="True" Font-Italic ="true" Font-Names="arial"
Font-Size="Larger" ForeColor="#C000C0"></asp:Label>
        </asp:TableCell>
        <asp:TableCell ID="TableCell13" ColumnSpan ="1" RowSpan
="1" Width ="200px" runat="server"><asp:Image ID="Image4" runat="server"
ImageAlign ="Right" DescriptionUrl="~/site2.gif" ImageUrl= "~/site2.gif"
Height ="100px" Width="200px" /></asp:TableCell>
    </asp:TableRow>
</asp:Table> &nbsp;</center>
    <center style="background-color: #00ff00">

        <h1 style="background-color: #fff9af" > CHARTER REQUEST FORM
</h1>

        <h3 style="background-color: #ffffad">
        <asp:Label ID="Label2" runat="server" Text="PERSONNEL NAME" Width
="300"></asp:Label>&nbsp;<asp:TextBox ID="TXTPNAM" runat="server" Width
="300"></asp:TextBox><br />
        <br />
        <asp:Label ID="Label3" runat="server" Text="TERMINAL" Width
="300"></asp:Label>&nbsp;<asp:TextBox ID="TXTTERM" runat="Server" Width
="300"></asp:TextBox><br />
        <br />
        <asp:Label ID="Label4" runat="server" Text="CHARTER DATE" Width
="300"></asp:Label>&nbsp;<asp:TextBox ID="TXTDATE" runat="server" Width
="300"></asp:TextBox><br />
        <br />
        <asp:Label ID="Label5" runat="server" Text="TIME" Width
="300"></asp:Label>&nbsp;<asp:TextBox ID="TXTIME" runat="server" Width
="300"></asp:TextBox><br />
        <br />

```



```

        <h3><asp:HyperLink ID="HyperLink1" runat="server"
NavigateUrl="DELTA LINE ON BOARD.aspx" >Delta Bus On Board</asp:HyperLink>
        &nbsp;&nbsp;&nbsp;<asp:HyperLink ID="HyperLink2" runat="server"
NavigateUrl="DELTA BUS.aspx" >Delta Line Buses</asp:HyperLink></h3>
    </center>
    <center style="background-color: #00ff00">
        &nbsp;&nbsp;&nbsp;</center>
    <center style="background-color: #00ff00">
        <asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" BackColor="Lime"
        DataSourceID="AccessDataSource1" Visible="False">
            <Columns>
                <asp:BoundField DataField="PERSONNEL_NAME"
HeaderText="PERSONNEL_NAME" SortExpression="PERSONNEL_NAME" />
                <asp:BoundField DataField="TERMINAL"
HeaderText="TERMINAL" SortExpression="TERMINAL" />
                <asp:BoundField DataField="CHARTER_DATE"
HeaderText="CHARTER_DATE" SortExpression="CHARTER_DATE" />
                <asp:BoundField DataField="TIME" HeaderText="TIME"
SortExpression="TIME" />
                <asp:BoundField DataField="PHONE_NUMBER"
HeaderText="PHONE_NUMBER" SortExpression="PHONE_NUMBER" />
                <asp:BoundField DataField="CHIOCE_OF_VEHICLE"
HeaderText="CHIOCE_OF_VEHICLE" SortExpression="CHIOCE_OF_VEHICLE" />
                <asp:BoundField DataField="HOME_ADDRESS"
HeaderText="HOME_ADDRESS" SortExpression="HOME_ADDRESS" />
                <asp:BoundField DataField="DESTINATION_ADDRESS"
HeaderText="DESTINATION_ADDRESS"
SortExpression="DESTINATION_ADDRESS" />
                <asp:BoundField DataField="NATIONALITY"
HeaderText="NATIONALITY" SortExpression="NATIONALITY" />
                <asp:BoundField DataField="STATE" HeaderText="STATE"
SortExpression="STATE" />
                <asp:BoundField DataField="L_G_A" HeaderText="L_G_A"
SortExpression="L_G_A" />
                <asp:BoundField DataField="column1"
HeaderText="column1" SortExpression="column1" />
            </Columns>

```

```

        </asp:GridView>
        <asp:AccessDataSource ID="AccessDataSource1" runat="server"
DataFile="~/App_Data/M.MDB"
        SelectCommand="SELECT [PERSONNEL NAME] AS PERSONNEL_NAME,
[TERMINAL], [CHARTER DATE] AS CHARTER_DATE, [TIME], [PHONE NUMBER] AS
PHONE_NUMBER, [CHIOCE OF VEHICLE] AS CHIOCE_OF_VEHICLE, [HOME ADDRESS] AS
HOME_ADDRESS, [DESTINATION ADDRESS] AS DESTINATION_ADDRESS, [NATIONALITY],
[STATE], [L G A] AS L_G_A, [E-MAIL] AS column1 FROM [PERSONNEL]">
        </asp:AccessDataSource>
    <br />
</center>

</div>
</form>
</body>
</html>

```

Costumer Rebate Ticket

```

<%@ Page Language ="vB" Debug ="false" %>
<%@ Import Namespace = "system" %>
<%@ Import Namespace ="system.web.services" %>
<%@ Import Namespace ="system.data" %>
<%@ Import Namespace ="system.Data.OleDb" %>
<%@ Import Namespace ="system.Web.UI.Page" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<script runat="Server" language="VBSCRIPT" >

    Public Sub InsertRow(ByVal sender As Object, ByVal e As
System.EventArgs)

        Dim connectionString As String =
"Provider=Microsoft.Jet.OLEDB.4.0;DATA SOURCE=" +
CStr(Server.MapPath("App_Data\M.mdb")) + ";" ' +
Server.MapPath("App_Data\Company_DBase.mdb") + ";"

        Dim insertSQL As String
        insertSQL = "INSERT INTO MA VALUES " ' , TypeOfService, Address1,
Address2, eMail, PostalAddress, Telephone1, Telephone2, Fax, Username,
Password) VALUES "

```



```

insertSQL = insertSQL + "(" + Me.TXTSNAM.Text + "
insertSQL = insertSQL + "," + Me.TXTONAMES.Text + "
insertSQL = insertSQL + "," + Me.TXTDEP.Text + "
insertSQL = insertSQL + "," + Me.txtCURR.Text + "
insertSQL = insertSQL + "," + Me.txtNUM.Text + "
insertSQL = insertSQL + "," + Me.txtMAR.Text + "
insertSQL = insertSQL + "," + Me.txtHADDRESS.Text + "
insertSQL = insertSQL + "," + Me.txtCADDRESS.Text + "
insertSQL = insertSQL + "," + Me.txtNAT.Text + "
insertSQL = insertSQL + "," + Me.txtSTATE.Text + "
insertSQL = insertSQL + "," + Me.txtLGA.Text + "
insertSQL = insertSQL + "," + Me.txtMAIL.Text + "

'sql = sql + "," & "-1"
insertSQL = insertSQL + ")"
MsgBox(insertSQL).ToString()
Using connection As New OleDbConnection(connectionString)
    ' The insertSQL string contains a SQL statement that
    ' inserts a new row in the source table.
    Dim command As New OleDbCommand(insertSQL)

    ' Set the Connection to the new OleDbConnection.

    command.Connection = connection

    ' Open the connection and execute the insert command.
    'Try
    connection.Open()
    command.ExecuteNonQuery()
    Me.TXTSNAM.Text = ""
    Me.TXTONAMES.Text = ""
    Me.TXTDEP.Text = ""
    Me.TXTCURR.Text = ""
    Me.TXTNUM.Text = ""
    Me.TXTMAR.Text = ""
    Me.TXTHADDRESS.Text = ""
    Me.TXTCADDRESS.Text = ""
    Me.TXTNAT.Text = ""

```

```

        Me.TXTSTATE.Text = ""
        Me.TXTLGA.Text = ""
        Me.TXTMAIL.Text = ""
        'Catch ex As Exception
        '    Console.WriteLine(ex.Message)
        'End Try
        ' The connection is automatically closed when the
        ' code exits the Using block.
    End Using
End Sub

Sub cmdSearch1(ByVal sender As Object, ByVal e As System.EventArgs)
'Handles cmdSearch.Click
    Dim conn As OleDbConnection
    'Dim dsCmd As OleDbDataAdapter
    Dim DSNStr As String = "Provider=Microsoft.Jet.OLEDB.4.0;DATA
SOURCE=" + CStr("C:\YES\App_Data\M.mdb") + ";"
    MsgBox("successful").ToString()
    Dim sql As String = "SELECT * FROM MA where SURNAME='" +
Me.TextBox1.Text + "'"
    conn = New OleDbConnection(DSNStr)
    conn.Open()
    Me.TXTSNAM.Text = ""
    Me.TXTONAMES.Text = ""
    Me.TXTDEP.Text = ""
    Me.TXTCURR.Text = ""
    Me.TXTNUM.Text = ""
    Me.TXTMAR.Text = ""
    Me.TXTHADDRESS.Text = ""
    Me.TXTCADDRESS.Text = ""
    Me.TXTNAT.Text = ""
    Me.TXTSTATE.Text = ""
    Me.TXTLGA.Text = ""
    Me.TXTMAIL.Text = ""
    Dim cmdSelect As New OleDbCommand(sql, conn)
    Dim drRead As OleDbDataReader
    drRead = cmdSelect.ExecuteReader() 'CommandBehavior.SingleRow)
    MsgBox("successful").ToString()

```

```

Do While drRead.Read()

    Me.TXTSNAM.Text = drRead.GetString(0).ToString()
    Me.TXTONAMES.Text = drRead.GetString(1).ToString()
    Me.TXTDEP.Text = drRead.GetString(2).ToString()
    Me.TXTCURR.Text = drRead.GetString(3).ToString()
    Me.TXTNUM.Text = drRead.GetString(4).ToString()
    Me.TXTMAR.Text = drRead.GetString(5).ToString()
    Me.TXTHADDRESS.Text = drRead.GetString(6).ToString()
    Me.TXTCADDRESS.Text = drRead.GetString(7).ToString()
    Me.TXTNAT.Text = drRead.GetString(8).ToString()
    Me.TXTSTATE.Text = drRead.GetString(9).ToString()
    Me.TXTLGA.Text = drRead.GetString(10).ToString()
    Me.TXTMAIL.Text = drRead.GetString(11).ToString()
    MsgBox("successful").ToString()
    'Me.Response.Redirect("~/HomePage.aspx")
    drRead.Close()
    conn.Close()
Exit Sub

Loop

conn.Close()

Me.Response.Write("Invalid Student Surname. Go back and retry.")

End Sub

Public Sub DeleteRow(ByVal sender As Object, ByVal e As
System.EventArgs)
    Dim connectionString As String =
"Provider=Microsoft.Jet.OLEDB.4.0;DATA SOURCE=" +
CStr(Server.MapPath("App_Data\M.mdb")) + ";" ' +
Server.MapPath("App_Data\Company_DBase.mdb") + ";"
    Dim insertSQL As String
    insertSQL = "DELETE from MA WHERE SURNAME='" + Me.TXTSNAM.Text +
"'" ' , TypeOfService, Address1, Address2, eMail, PostalAddress,
Telephone1, Telephone2, Fax, Username, Password) VALUES "

```

```

MsgBox(insertSQL).ToString()
Using connection As New OleDbConnection(connectionString)
    ' The insertSQL string contains a SQL statement that
    ' inserts a new row in the source table.
    Dim command As New OleDbCommand(insertSQL)

    ' Set the Connection to the new OleDbConnection.
    command.Connection = connection

    ' Open the connection and execute the insert command.
    'Try
    connection.Open()
    command.ExecuteNonQuery()
    'Catch ex As Exception
    '    Console.WriteLine(ex.Message)
    'End Try
    ' The connection is automatically closed when the
    ' code exits the Using block.
End Using
End Sub

```

```

</script>
<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>CUSTOMER REBATE TICKET</title>
</head>
<body>
    <form id="form1" runat="server">
        <div >
            <asp:Image ID="Image3" runat="Server" DescriptionUrl="DELTA7.jpg"
ImageUrl="DELTA7.jpg" Width="1000" Height="300" />
            <asp:Table ID="Table2" CellSpacing="0" runat="server" HorizontalAlign
="Center" Height="35px" Width="1000px" BorderWidth="5" BorderColor
="GREEN">

```

```

        <asp:TableRow ID="TableRow1" BackColor = "Thistle"
VerticalAlign = "Middle" runat="server" >
            <asp:TableCell ID="TableCell11" ColumnSpan = "1" RowSpan
="1" Width = "250px" runat="server"><asp:Image ID="Image1" runat="server"
DescriptionUrl = "~/Welcome.gif" ImageUrl = "~/Welcome.gif" Height = "50px"
Width="150px" /></asp:TableCell>
            <asp:TableCell ID="TableCell12" BackColor = "CadetBlue"
ColumnSpan = "2" RowSpan = "1" Width = "600px" runat="server">
                <asp:Label ID="Label12" runat="server" Text=" ONLINE
DELTA LINE TRANSPORT NIGERIA" Height="40px" Width="600px" Font-Bold="True"
Font-Italic="True" Font-Names="Impact" Font-Size="XX-Large"
ForeColor="GreenYellow" ></asp:Label>
                <asp:Label ID="Label13" runat="server" Text="MOTTO:
...making transport easy and comfortable for Deltans" Height="20px"
Width="600px" Font-Bold="True" Font-Names="arial" Font-Size="Larger"
ForeColor="#C000C0"></asp:Label>
            </asp:TableCell>
            <asp:TableCell ID="TableCell13" ColumnSpan = "1" RowSpan
="1" Width = "200px" runat="server"><asp:Image ID="Image2" runat="server"
ImageAlign = "Right" DescriptionUrl="DELTA LOGO.jpg" ImageUrl= "DELTA
LOGO.jpg" Height = "100px" Width="200px" /></asp:TableCell>
        </asp:TableRow>
    </asp:Table> &nbsp;

```

```

    <asp:Table ID="Table1" CellSpacing = "0" runat="server"
Height="25px" Width="1000px" BorderWidth = "5" BorderColor = "Blue">
        <asp:TableRow ID="TableRow2" BackColor = "Thistle"
VerticalAlign = "Middle" runat="server" >
            <asp:TableCell ID="TableCell15" BackColor = "CadetBlue"
HorizontalAlign = "Center" ColumnSpan = "2" RowSpan = "1" Width = "1000px"
runat="server">
                <div style="background-color:green ; color: aqua; list-style-
position: inside; list-style-type: square;">
                    <h1 > CUSTOMER REBATE TICKET </h1>
                </div>
            </asp:TableCell>
        </asp:TableRow>
    </asp:Table>
    <asp:Label ID="Label1" runat="server" Text="ENTER YOUR SURNAME AND
RUN SEARCH" Font-Bold="True" Width="338px"></asp:Label>

```

```
<asp:TextBox ID="TextBox1" runat="server" Width  
="200px"></asp:TextBox>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;  
    <asp:Button Text = "                RUN SEARCH                " ID ="cmdSearch"  
OnClick ="CMDSEARCH1" runat ="server" Width ="200px" Height ="30px"  
ForeColor="BlueViolet" />&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;  
    <hr title="dcx" style="color: maroon; height: 7px"/>  
  
    <asp:Image ID="IMAGE4" runat="server" DescriptionUrl="DELTA5.JPG"  
ImageUrl ="DELTA5.JPG" Height ="200" Width="400"   />  
    <hr title="dcx" style="color: maroon; height: 7px"/>  
    <h3>  
        <asp:Label ID="Label2" runat="server" Text="SURNAME" Width  
="300px"></asp:Label>&nbsp;<asp:TextBox ID="TXTSNAM" runat="server" Width  
="400px"></asp:TextBox><br />  
        <br />  
        <asp:Label ID="Label3" runat="server" Text="FIRST NAME" Width  
="300px"></asp:Label>&nbsp;<asp:TextBox ID="TXTONAMES" runat="server"  
Width ="400px"></asp:TextBox><br />  
        <br />  
        <asp:Label ID="Label4" runat="server" Text="OTHER NAME" Width  
="300px"></asp:Label>&nbsp;<asp:TextBox ID="TXTDEP" runat="server" Width  
="400px"></asp:TextBox><br />  
        <br />  
        <asp:Label ID="Label5" runat="server" Text="OCCUPATION" Width  
="300px"></asp:Label>&nbsp;<asp:TextBox ID="TXXCURR" runat="server" Width  
="400px"></asp:TextBox><br />  
        <br />  
        <asp:Label ID="Label6" runat="server" Text="PHONE NUMBER" Width  
="300px"></asp:Label>&nbsp;<asp:TextBox ID="TXTNUM" runat="server" Width  
="400px"></asp:TextBox><br />  
        <br />  
        <asp:Label ID="Label7" runat="server" Text="MARITAL STATUS" Width  
="300px"></asp:Label>&nbsp;<asp:TextBox ID="TXTMAR" runat="server" Width  
="400px"></asp:TextBox><br />  
        <br />
```



```

        </asp:TableCell>

    </asp:TableRow>
</asp:Table>
</div>
<br />
<asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" BackColor="Silver"
    DataKeyNames="SURNAME" DataSourceID="AccessDataSource1"
Visible="False">
    <Columns>
        <asp:BoundField DataField="SURNAME" HeaderText="SURNAME"
ReadOnly="True" SortExpression="SURNAME" />
        <asp:BoundField DataField="FIRST_NAME"
HeaderText="FIRST_NAME" SortExpression="FIRST_NAME" />
        <asp:BoundField DataField="column1" HeaderText="column1"
SortExpression="column1" />
        <asp:BoundField DataField="OCCUPATION"
HeaderText="OCCUPATION" SortExpression="OCCUPATION" />
        <asp:BoundField DataField="PHONE_NUMBER"
HeaderText="PHONE_NUMBER" SortExpression="PHONE_NUMBER" />
        <asp:BoundField DataField="MARITAL_STATUS"
HeaderText="MARITAL_STATUS" SortExpression="MARITAL_STATUS" />
        <asp:BoundField DataField="column2" HeaderText="column2"
SortExpression="column2" />
        <asp:BoundField DataField="L_G_A" HeaderText="L_G_A"
SortExpression="L_G_A" />
        <asp:BoundField DataField="STATE" HeaderText="STATE"
SortExpression="STATE" />
        <asp:BoundField DataField="NATIONALITY"
HeaderText="NATIONALITY" SortExpression="NATIONALITY" />
        <asp:BoundField DataField="CONTACT_ADDRESS"
HeaderText="CONTACT_ADDRESS" SortExpression="CONTACT_ADDRESS" />
        <asp:BoundField DataField="HOME_ADDRESS"
HeaderText="HOME_ADDRESS" SortExpression="HOME_ADDRESS" />
    </Columns>
</asp:GridView>

```



```

        <asp:AccessDataSource ID="AccessDataSource1" runat="server"
DataFile="~/App_Data/M.MDB"
        SelectCommand="SELECT [SURNAME], [FIRST NAME] AS FIRST_NAME,
[OTHER NAME] AS column1, [OCCUPATION] AS OCCUPATION, [PHONE NUMBER] AS
PHONE_NUMBER, [MARITAL STATUS] AS MARITAL_STATUS, [E-MAIL] AS column2, [L
G A] AS L_G_A, [STATE], [NATIONALITY], [CONTACT ADDRESS] AS
CONTACT_ADDRESS, [HOME ADDRESS] AS HOME_ADDRESS FROM [MA]">
    </asp:AccessDataSource>
</form>
</body>
</html>

```

Delta Line Terminal Code

```

<%@ Page Language ="vB" Debug ="false" %>

<%@ Register Assembly="Microsoft.ReportViewer.WebForms, Version=8.0.0.0,
Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a"
    Namespace="Microsoft.Reporting.WebForms" TagPrefix="rsweb" %>
<%@ Import Namespace = "system" %>
<%@ Import Namespace ="system.web.services" %>
<%@ Import Namespace ="system.data" %>
<%@ Import Namespace ="system.Data.OleDb" %>
<%@ Import Namespace ="system.Web.UI.Page" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<script runat="Server" language ="vbscript" >

    Public Sub insertrow(ByVal sender As Object, ByVal e As
System.EventArgs)
        Dim connectionstring As String =
"Provider=Microsoft.Jet.OLEDB.4.0;DATA SOURCE=" +
CStr(Server.MapPath("App_Data\M.mdb")) + ";
        Dim insertSQL As String
        insertSQL = "INSERT INTO DBVEHICLE VALUES"
        insertSQL = insertSQL + "(" + Me.TXTVEH.Text + "
insertSQL = insertSQL + "," + Me.TXTNUM.Text + "
insertSQL = insertSQL + "," + Me.TXTFRM.Text + "
insertSQL = insertSQL + "," + Me.TXTTO.Text + "

```

```

insertSQL = insertSQL + "," + Me.TXTDATE.Text + " "
insertSQL = insertSQL + "," + Me.TXTTIME.Text + " "
insertSQL = insertSQL + "," + Me.TXTDRI.Text + " "
insertSQL = insertSQL + ")"
MsgBox(insertSQL).ToString()
Using connection As New OleDbConnection(connectionstring)
    Dim command As New OleDbCommand(insertSQL)

    ' Set the Connection to the new OleDbConnection.

    command.Connection = connection

    ' Open the connection and execute the insert command.
    'Try
    connection.Open()
    command.ExecuteNonQuery()
    Me.TXTVEH.Text = ""
    Me.TXTNUM.Text = ""
    Me.TXTFRM.Text = ""
    Me.TXTTO.Text = ""
    Me.TXTDATE.Text = ""
    Me.TXTTIME.Text = ""
    Me.TXTDRI.Text = ""

End Using
End Sub

</script>
<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>DELTA LINE TERMINAL</title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="background-color: #66cccc" >
            <center >

```

```

        <asp:Image ID ="IMAGE1" runat ="Server" DescriptionUrl
="DELTA4.jpg" ImageUrl ="DELTA4.jpg" Width="1000" Height ="400" /><br />
        <br />
        <asp:Label ID="LABEL1" runat ="Server" Text ="MOTTO: ...making
transport easy and comfortable for Deltans" Font-Bold ="true" Font-Italic
="true" Font-Size ="X-Large" ForeColor ="Brown" ></asp:Label>
        <br />
    </center>

```

```

        <asp:Table ID="Table1" CellSpacing ="0" runat="server"
Height="35px" Width="1000px" BorderWidth ="5" BorderColor ="Blue">
            <asp:TableRow ID="TableRow2" BackColor = "Thistle"
VerticalAlign ="Middle" runat="server" >
                <asp:TableCell ID="TableCell15" BackColor = "CadetBlue"
HorizontalAlign ="center" ColumnSpan ="2" RowSpan ="1" Width ="1000px"
runat="server">
                    <div style="background-color:Gray ; color: aqua; list-style-
position: inside; list-style-type: square;">
                        <h1 > DELTA LINE TERMINAL SCHEDULES & CONTACT </h1>
                        <hr title="dcx" style="color: maroon; height: 7px"/>
                        <h3>
                            <asp:Label ID="Label9" runat="server" Text="VEHICLE TYPE" Width
="300"></asp:Label>&nbsp;<asp:TextBox ID="TXTVEH" runat="server" Width
="400"></asp:TextBox><br />
                            <br />
                            <asp:Label ID="Label10" runat="server" Text="NUMBER" Width
="300"></asp:Label>&nbsp;<asp:TextBox ID="TXTNUM" runat="Server" Width
="400"></asp:TextBox><br />
                            <br />
                            <asp:Label ID="Label11" runat="server" Text="FROM" Width
="300"></asp:Label>&nbsp;<asp:TextBox ID="TXTFRM" runat="server" Width
="400"></asp:TextBox><br />
                            <br />
                            <asp:Label ID="Label12" runat="server" Text="TO" Width
="300"></asp:Label>&nbsp;<asp:TextBox ID="TXTTO" runat="server" Width
="400"></asp:TextBox><br />
                            <br />

```


Port Harcourt to Calabar, Port Harcourt to Enugu, Port Harcourt to Onitsha, Port Harcourt to Owerri, Port Harcourt to Umuahia.

ENUGU

Enugu to Aba, Enugu to Calabar, Enugu to Owerri, Enugu to Port Harcourt, Enugu to Umuahia, Enugu to Uyo.

CALABAR

Calabar to Aba, Calabar to Enugu, Calabar to Onitsha, Calabar to Port Harcourt, Calabar to Umuahia, Calabar to Warri,

JOS

Jos to Abuja, Jos to Akwanga, Jos to Gwagwalada, Jos to Nyanya.

AKWANGA

Akwanga to Abuja, Akwanga to Gwagwalada, Akwanga to Jos, Akwanga to Nyanya.

UMUAHIA

Umuahia to Calabar, Umuahia to Enugu, Umuahia to Uyo.

UYO

Uyo to Owerri, Uyo to Enugu, Uyo to Umuahia.

WARRI

Warri to Port Harcourt, Warri to Owerri, Warri to Calabar, Warri to Uyo.

ABUJA

Abuja to Akwanga, Abuja to Jos.

NYANYA

Nyanya to Akwanga, Nyanya to Jos.


```

GWAGWALADA<br />
gwagwalada to Akwanga, Gwagwalada to Jos,<br />
<br /></center>
<center >
    <asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" DataKeyNames="NUMBER"
        DataSourceID="AccessDataSource2" BackColor="Purple"
ForeColor="Navy" Visible="False">
        <Columns>
            <asp:BoundField DataField="VEHICLE_TYPE"
HeaderText="VEHICLE_TYPE" SortExpression="VEHICLE_TYPE" />
            <asp:BoundField DataField="NUMBER" HeaderText="NUMBER"
ReadOnly="True" SortExpression="NUMBER" />
            <asp:BoundField DataField="FROM" HeaderText="FROM"
SortExpression="FROM" />
            <asp:BoundField DataField="TO" HeaderText="TO"
SortExpression="TO" />
            <asp:BoundField DataField="TIME" HeaderText="TIME"
SortExpression="TIME" />
            <asp:BoundField DataField="DATE" HeaderText="DATE"
SortExpression="DATE" />
            <asp:BoundField DataField="DRIVER" HeaderText="DRIVER"
SortExpression="DRIVER" />
        </Columns>
    </asp:GridView>
    <asp:AccessDataSource ID="AccessDataSource2" runat="server"
DataFile="~/App_Data/M.MDB"
        SelectCommand="SELECT [VEHICLE TYPE] AS VEHICLE_TYPE,
[NUMBER], [FROM], [TO], [TIME], [DATE], [DRIVER] FROM [DBVEHICLE]">
    </asp:AccessDataSource>
    <asp:AccessDataSource ID="AccessDataSource1" runat="server"
DataFile="~/App_Data/M.MDB"
        SelectCommand="SELECT [VEHICLE TYPE] AS VEHICLE_TYPE,
[NUMBER], [TO], [FROM], [DATE], [TIME], [DRIVER] FROM [DBVEHICLE]">
    </asp:AccessDataSource>
    &nbsp;<br />
</center>
</div>

```

```

        </form>
</body>
</html>

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="DELTA LINE ON
BOARD.aspx.vb" Inherits="ABC_ON_BOARD" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>WELCOME ON BOARD</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <center style="font-weight: bold; font-size: 10mm; text-transform:
capitalize; color: #008400; font-style: italic; background-color:
transparent;" >
                <asp:Image ID="image1" runat ="server" DescriptionUrl ="DELTA3.jpg"
ImageUrl ="DELTA3.jpg" Width = "1000px" Height ="288px" />
                <asp:Label ID ="LABEL1" runat ="Server" Text = "WELCOME TO DELTA LINE
ON BOARD, MOTTO: ...making transport easy and comfortable for Deltans"
Font-Bold ="True" Font-Italic ="True" Font-Size ="30px" ForeColor
="Crimson" Width="1000px" style="background-color: gray" ></asp:Label><br
/>
                <br />
                WELCOME ON BOARD
            </center>
            <center style="font-weight: bold; color: #000099; font-style:
italic; background-color: transparent;">
                Delta Line Transport is pleased to welcome you aboard today's
journey. You will find useful
                information about your journey in this site. Bus attendants
are available to provide
                any assistant or advice you may require to make your trip
enjoyable. Have a very

```

```

        pleasant ride.</center>
    <center>
        &nbsp;</center>
    <center style="font-weight: bold; color: red; font-style: normal">
        FLEET</center>
    <center style="font-weight: bold; color: navy; font-style:
italic">
        The fleet is mainly made up of Marpocolo 50-seater buses
designed with the highest
        safety considerations in mind.</center>
    <center>
        &nbsp;</center>
    <center style="font-weight: bold; color: red; font-style: normal;
background-color: transparent">
        COMFORT</center>
    <center style="font-weight: bold; color: navy; font-style:
italic">
        Your safety and comfort are our top priority objectives. All
our service observed
        strict complaine with the prscribed capacity of the bus and
does not admit excess
        passengers.</center>
    <center>
        &nbsp;</center>
    <center style="font-weight: bold; color: red; font-style: normal">
        CHILDREN'S FARE</center>
    <center style="font-weight: bold; color: navy; font-style:
italic">
        Bring the children at half the fare. For children balow 12
years, accompanied by
        a traveling adult, you can travel with Delta Line, and as
often as you desire with your
        children, Delta Line Transport now offers you 50% fare rebate.
So bring the children along.</center>
    <center>
        &nbsp;</center>
    <center style="font-weight: bold; color: red">
        SCHEDULED DEPARTURE</center>

```



```

        <center style="font-weight: bold; color: navy; font-style:
italic">
            Strict scheduled departure is observed. None of our service
admits passenger not
            ticketed at the terminals. Passenger are allocated saet
numbers on formation.&nbsp;</center>
        <center>
            &nbsp;</center>
        <center style="font-weight: bold; color: red">
            SECURITY</center>
        <center style="font-weight: bold; color: navy; font-style:
italic">
            Every bus is accompanied by armed plain clothed security men
to guard passengers
            during the course of the journey.</center>
        <center>
            &nbsp;</center>
        <center style="font-weight: bold; color: red">
            PERSONAL ACCIDENT INSURANCE COVER</center>
        <center style="font-weight: bold; color: navy; font-style:
italic">
            Every passenger is covered by a Personal Accident Insurance
Policy in the course
            of any trip with Delta Line Transport Company. A second
(Optional) annual insurance policy offers
            N.5m for any benefitciary. Cover is obtainable from all Delta
Line
            terminals on request.&nbsp;</center>

        </div>
    </form>
</body>
</html>

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="DELTA
BUS.aspx.vb" Inherits="ABC_CARGOS" %>

```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>DELTA LINE BUS PAGE</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <center style="background-color: transparent" >
                <asp:Image ID ="IMAGE1" runat ="Server" DescriptionUrl ="DELTA4.jpg"
ImageUrl ="DELTA4.jpg" Width="1000px" Height="500" />&nbsp;  </center>
                <center style="font-weight: bold; color: #008b00; font-style:
italic; background-color: transparent">
                    DELTA LINE TRANSPORT SERVICES. &nbsp;  &nbsp; &nbsp;    &nbsp; &nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&
www.deltalinetransport.org.ng </center>
                    <center style="font-weight: bold; color: #008b00; font-style:
italic; background-color: transparent">
                        SHUTTLE SERVICE</center>
                    <center style="font-weight: bold; color: #008b00; font-style:
italic; background-color: transparent">
                        This is a premium for the academics, businessmen,
bankers,company executies, students
                        and upper middle class of the society. This Service, fully
air-conditioned with
                        on-board stereo entertainment, lush and spacious interious, is
available in Delta
                        to Lagos, Delta to Onitsha, Delta to Benin City, Delta to Port
Harcourt, Delta to
                        Bayelsa, daily. &nbsp;  &nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
                    </center>
                    <center style="font-weight: bold; color: #008b00; font-style:
italic; background-color: transparent">
                        <asp:Image ID ="IMAGE2" runat ="Server" DescriptionUrl ="DELTA3.jpg"
ImageUrl ="DELTA3.jpg" Width="1000px" Height="500" />&nbsp;  <br />
                        <br />&nbsp;  &nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~ DELTA
STATE MASS TRANSIST SCHEME</center>

```



```

        &nbsp; &nbsp; Delta Line Buses are some of the Delta Line
luxury and big vehicle used for special
        charters. You can Click "DELTA BUSES" to select your choice of
vehicle for your best
        trip.<br />
        <asp:HyperLink ID="HyperLink3" runat="server"
NavigateUrl="DELTA BUS.aspx" >DELTA BUSES</asp:HyperLink><br />
        </center>
        <center style="background-color: #ffab00">
        &nbsp; &nbsp; &nbsp; &nbsp; Customer Rebate Ticket is an online
registration page
        for customers that are in need of Delta Line rebate ticket.
Click "Customer Rebate Ticket"
        for registration. NOTE for customers only not for Company
Staff.<br />
        <asp:HyperLink ID="HyperLink4" runat="server" NavigateUrl="CUSTOMER
REBATE TICKET.aspx" >CUSTOMER REBATE TICKET</asp:HyperLink></center>
        <center style="background-color: #ffab00">
        &nbsp; Delta Line Charter Request Form is an online charter
request form for intereted personnels
        how cares to register online for thier best and comfortable
trip. You can register
        online today for your best service. Delta Line ...Making
Transport Easy and Comfortable for Deltans. Click "CHARTER
REQUEST FORM" for your online Charter Request. &nbsp;</center>
        <center style="background-color: #ffab00">
        <asp:HyperLink ID="HyperLink5" runat="server" NavigateUrl="~/CHARTER
REQUEST.aspx" >CHARTER REQUEST FORM</asp:HyperLink><br />
        <br />
        <asp:HyperLink ID="HyperLink6" runat="server" NavigateUrl="~/LOGIN
PAGE.aspx" >LOG-OUT</asp:HyperLink><br />
        <br />
        &nbsp;</center>
    </div>
</form>
</body>
</html>

```