

NEAR EAST UNIVERSITY

Faculty of Engineering

Department of Computer Engineering

WEB BASED ONLINE CARGO SYSTEM

**Graduation Project
COM-400**

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Nicosia - 2008

ACKNOWLEDGEMENTS

“First, I would like to thank my supervisor Ümit Soyer for his invaluable advice and belief in my work and myself over the course of this Graduation Project.

Second, I thank my family especially my father İbrahim Kürkçü, my mother Neşe Kürkçü and little brother Serdar Kürkçü for their constant encouragement and support during this life in Cyprus.

Third and finally, I would also like to thank all my friends, especially Halil Kirişci for his ideas, Burak Mahir Cinkarataş for his programming advices, Bilal Konuk for his precious mind and Atakan Akar for his great assists about my project. ”

ABSTRACT

In our modern life technology is a rising star. In daily life, we use new stuffs in everywhere. In early years, like 1975s, computer and internet platform was not properly known and used in our country. Only the elite layer and government offices use this technology. But after the developing the computer world, we started to use computers in everyplace in our lives. Later the computers' settle down finishes, internet was being learned.

Internet is an unlimited opportunities platform. You can arrange your living without leaving the computer. You can order food, shopping, paying bills or whatever you want.

In my project I want to do a web based cargo system that customers can sign up, can send their packages or pursue their cargos.

In cargo business, before internet comes, customers should go to the firms and register their cargos. In the weekends these firms are always closed and you have to wait until Monday. These methods take many times in our life. That is the main problem, the time, precious matter. So when we put this method on internet, people can call the cargo firms to their homes to register their packages whenever they want.

By this method we gain these loss times to work up our life standards.

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INTRODUCTION

The internet is a worldwide, public accessible series of interconnected computer networks that transmit data by packet switching using the standard Internet Protocol (IP). It is a "network of networks" that consists of millions of smaller domestic, academic, business and government networks, which together carry various information and services, such as electronic mail, online chat, file transfer and the interlinked web pages and other resources of the World Wide Web (www).

In my project I did online web based cargo system with using PHP and Mysql.

PHP is widely-used general purposed scripting language, originally designed for producing dynamic web pages. It is for server-side scripting, but can be used from a command line interface or in a standalone graphical applications. I purposely select this language because when I became an engineer, these are the tools that I can earn money by using them.

Mysql is a multithread, multi-user SQL database management system (DBMS) which has more over than 11 million installations. The program runs as a server providing multiserver accounting a number database. I could use Oracle database management system and oracle could havemore benefits to me but I had to make a decision.

Objective of this project is to build a web page using PHP and Mysql.

Chapter one describes the PHP, Mysql and Apache HTTP Server which are used in my project, also installation procedure will be included.

Chapter two presents the web pages which are in my project from the Login Page to Logout page.

Chapter three has the codes that were written in the assignment. Finally, the conclusion section presents the important results obtained within the project.

CHAPTER ONE: THE APACHE HTTP SERVER, PHP, MYSQL and HTML CODING

1.1. What is The Apache HTTP Server?

The **Apache HTTP Server**, commonly referred to simply as **Apache**, is a web server notable for playing a key role in the initial growth of the World Wide Web. Apache was the first viable alternative to the Netscape Communications Corporation web server (currently known as Sun Java System Web Server), and has since evolved to rival other Unix-based web servers in terms of functionality and performance.

It is often said that the project's name was chosen for two reasons: out of respect for the Native American Indian tribe of Apache (Indé), well-known for their endurance and their skills in warfare and due to the project's roots as a set of patches to the codebase of NCSA HTTPd 1.3 - making it "a patchy" server although the latter theory is a lucky coincidence.

Apache is developed and maintained by an open community of developers under the auspices of the Apache Software Foundation. The application is available for a wide variety of operating systems, including Unix, FreeBSD, Linux, Solaris, Novell NetWare, Mac OS X, Microsoft Windows, OS/2, TPF, and eComStation. Released under the Apache License, Apache is characterized as free software and open source software.

Since April 1996 Apache has been the most popular HTTP server on the World Wide Web. However, since November 2005 it has experienced a steady decline of its market share, lost mostly to Microsoft Internet Information Services. As of April 2008 Apache served 50.42% of all websites.

1.1.1. Installation of The Apache server.

After obtaining the Apache Server program wheather from the cd or from the <http://www.apache.org/dyn/closer.cgi> webside, we start to install the program.



Later double clicking the setup, this screen comes. The main screen of the setup.

1.2. What is PHP?

PHP (a recursive acronym for *PHP: Hypertext Preprocessor*) is a computer scripting language, originally designed for producing dynamic web pages. It is for server-side scripting, but can be used from a command line interface or in standalone graphical applications.

While PHP was originally created by Rasmus Lerdorf in 1995, the main implementation of PHP is now produced by The PHP Group and serves as the *de facto* standard for PHP as there is no formal specification. Released under the PHP License, the Free Software Foundation considers it to be free software.

PHP is a widely-used general-purpose scripting language that is especially suited for web development and can be embedded into HTML. It generally runs on a web server, taking PHP code as its input and creating web pages as output. It can be deployed on most web servers and on almost every operating system and platform free of charge. PHP is installed on more than 20 million websites and 1 million servers. It is also the most popular Apache module among computers using Apache as a web server. The most recent major release of PHP was version 5.2.6 on May 1, 2008.

PHP originally stood for Personal Home Page. It began in 1994 as a set of Common Gateway Interface binaries written in the C programming language by the Danish/Greenlandic programmer Rasmus Lerdorf. Lerdorf initially created these Personal Home Page Tools to replace a small set of Perl scripts he had been using to maintain his personal homepage. The tools were used to perform tasks such as displaying his résumé and recording how much traffic his page was receiving. He combined these binaries with his Form Interpreter to create PHP/FI, which had more functionality. PHP/FI included a larger C implementation and could communicate with databases enabling the building of simple, dynamic web applications. He released PHP publicly on June 8, 1995 to speed up the finding of bugs and improving the code. This release was named PHP version 2 and already had the basic functionality that PHP has today. This included Perl-like variables, form handling, and the ability to embed HTML. The syntax was similar to Perl but was more limited, simpler, and less consistent.

Zeev Suraski and Andi Gutmans, two Israeli developers at the Technion IIT, rewrote the parser in 1997 and formed the base of PHP 3, changing the language's name to the recursive initialism *PHP: Hypertext Preprocessor*. The development team officially released PHP/FI 2 in November 1997 after months of beta testing. Afterwards, public testing of PHP 3 began, and the official launch came in June 1998. Suraski and Gutmans then started a new rewrite of PHP's core, producing the Zend Engine in 1999. They also founded Zend Technologies in Ramat Gan, Israel, which manages the development of PHP.

On May 22, 2000, PHP 4, powered by the Zend Engine 1.0, was released. On July 13, 2004, PHP 5 was released, powered by the new Zend Engine II. PHP 5 included new features such as improved support for object-oriented programming, the PHP Data Objects extension (which defines a lightweight and consistent interface for accessing databases), and numerous performance enhancements.

The most recent update released by The PHP Group is for the older PHP version 4 code branch. As of January 2008, this branch is up to version 4.4.8. PHP 4 is no longer under active development but will be supported by security updates until August 8, 2008.

In 2008, PHP 5 became the only stable version under development. Late static binding has been missing from PHP and will be added in version 5.3. Alongside PHP 5, PHP 6 is also under active development. Major changes include the removal of `register_globals`, magic quotes, and safe mode.

PHP does not have complete native support for Unicode or multibyte strings; unicode support will be included in PHP 6. Many high profile open source projects ceased to support PHP 4 in new code as of February 5, 2008, due to the GoPHP5 initiative, provided by a consortium of PHP developers promoting the transition from PHP 4 to PHP 5.

It runs in both 32-bit and 64-bit environments, but on Windows the only official distribution is 32-bit, requiring Windows 32-bit compatibility mode to be enabled while using IIS in a 64-bit Windows environment. There is a third-party distribution available for 64-bit Windows.

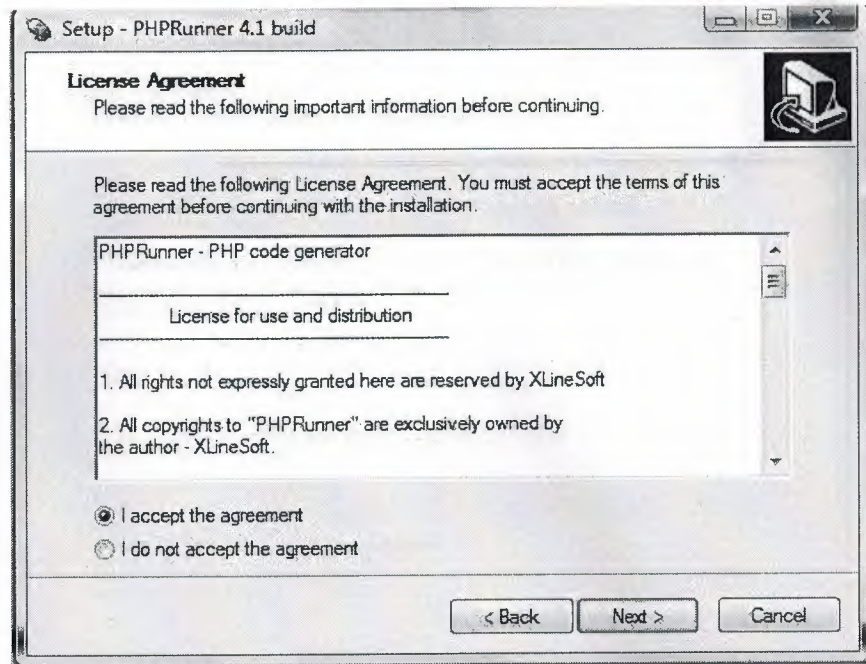
1.2.1. Additional Program – PHPRunner

PHPRunner is a editing program that helps the user to build a web site. PHPRunner builds visually appealing web interface for any local or remote MySQL, MS Access, SQL Server and Oracle databases. Your web site visitors will be able to easily search, add, edit, delete and export data in your database. Advanced security options allow to build password-protected members only Web sites easily.

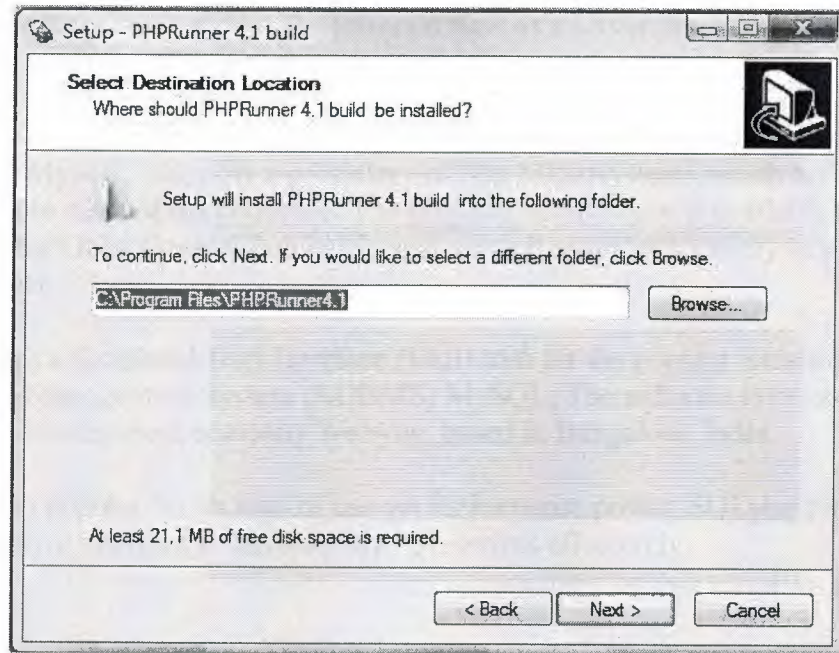
After obtaining the program, we start to install it.



This is the main screen of the intallation.



This is the second screen of the installation stage. Here we have two options whether accepting or not accepting. To continue the setup, we should accept the terms.



This stage, we choose path to install the software. After this section, installation will be finished.

1.3. What is Mysql and SQLyog?

MySQL is a relational database management system (RDBMS) which has more than 11 million installations. The program runs as a server providing multi-user access to a number of databases.

MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now a subsidiary of Sun Microsystems, which holds the copyright to most of the codebase. The project's source code is available under terms of the GNU General Public License, as well as under a variety of proprietary agreements.

SQLyog is a Graphical User Interface (GUI) tool for the popular Relational Database Management System (RDBMS) MySQL. The software is created by the software development company Webyog, based in Bangalore, India.

SQLyog is popular for its ease of use yet its immense power. SQLyog provides a very intuitive interface to develop MySQL scripts effectively.

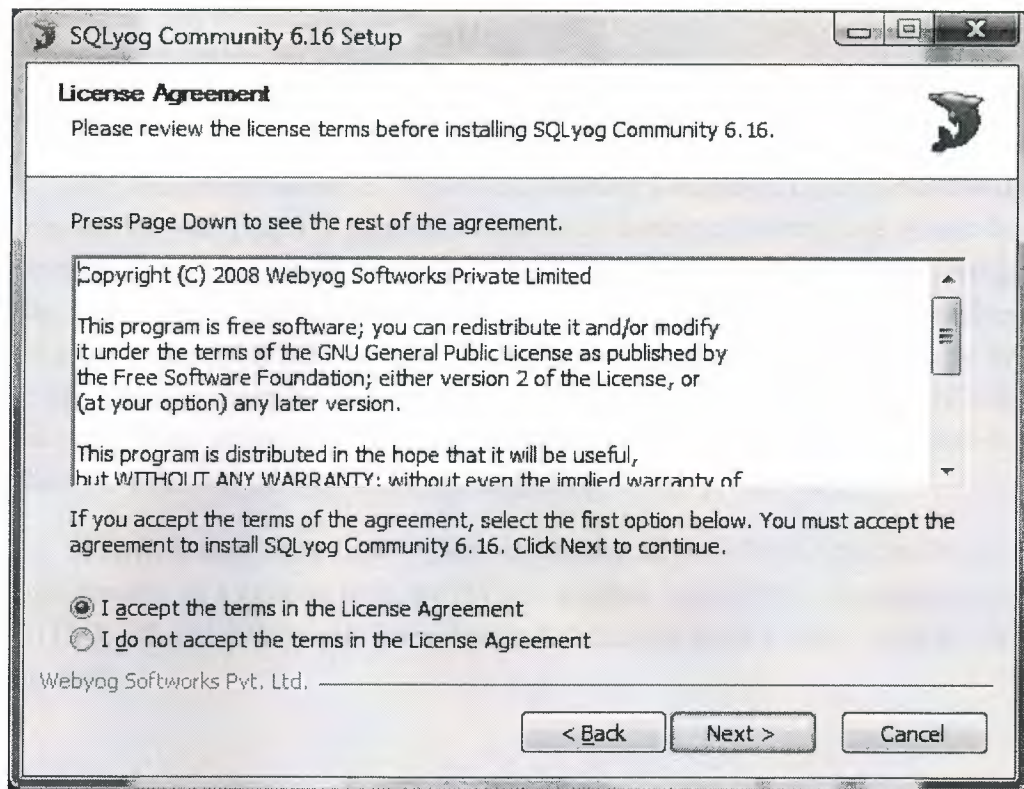
1.3.1. Installation of Mysql and SQLyog.

Starting with MySQL 4.1.5, users can use the new MySQL Installation Wizard and MySQL Configuration Wizard to install MySQL on Windows. The MySQL Installation Wizard and MySQL Configuration Wizard are designed to install and configure MySQL in such a way that new users can immediately get started using MySQL.

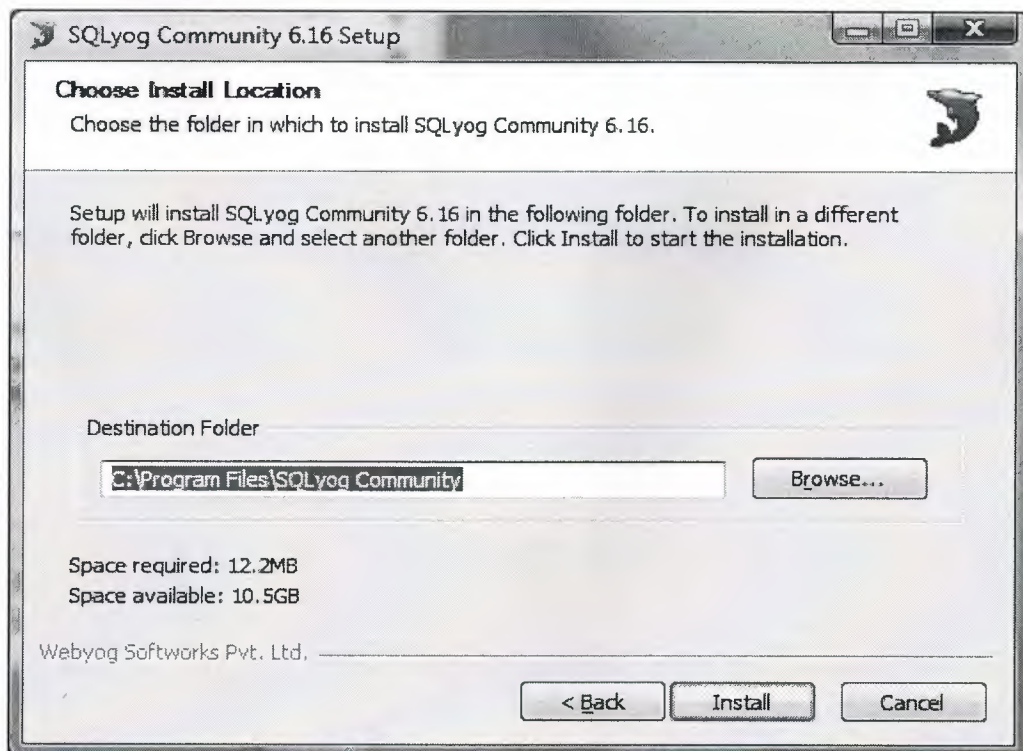
The MySQL Installation Wizard and MySQL Configuration Wizard are available in the Essentials and Complete install packages. They are recommended for most standard MySQL installations. Exceptions include users who need to install multiple instances of MySQL on a single server host and advanced users who want complete control of server configuration.



This is the main screen of the intallation.



This is the second screen of the installation stage. Here we have two options whether accepting or not accepting. To continue the setup, we should accept the terms.



This stage, we choose path to install the software. After this section, installation will be finished.

1.4.What is HTML coding?

HTML, an initialism of HyperText Markup Language, is the predominant markup language for web pages. It provides a means to describe the structure of text-based information in a document — by denoting certain text as links, headings, paragraphs, lists, and so on — and to supplement that text with interactive forms, embedded images, and other objects. HTML is written in the form of tags, surrounded by angle brackets. HTML can also describe, to some degree, the appearance and semantics of a document, and can include embedded scripting language code (such as JavaScript) which can affect the behavior of Web browsers and other HTML processors.

HTML is also often used to refer to content of the MIME type text/html or even more broadly as a generic term for HTML whether in its XML-descended form (such as XHTML 1.0 and later) or its form descended directly from SGML (such as HTML 4.01 and earlier).



Welcome to CargoNet Website

Login

Username:
Password:
Language:
Remember Password: ☐

[Login as Guest](#)
[Register](#)
[Forgot password?](#)

This is the login page that admins and the customers who are using the cargo web site, is the main page. Here, there are 2 text fields that users enter their user name and passwords to access their personal datas. We have a language selection that users can chose English or Turkish. There is a Guest entrance who can only access the search of condition of any cargo. We have a registration and Forgot password sections that users can manage their accounts spesifications.

Register

User Name:

Password:

Re-enter password:

User Email:

[Back to login page](#)

This is the Registration page. Users have to do this procedure to gain permission to use the web site. Here, we have 4 Textfields that are;

- User Name : users can pick any name.
- Password : user can choose any password that can be letters,symbols or numbers.
- Re-enter Password : verification of the password which is entered above.
- User Email : verification of the user that has any real email and the way of communication.

Password reminder

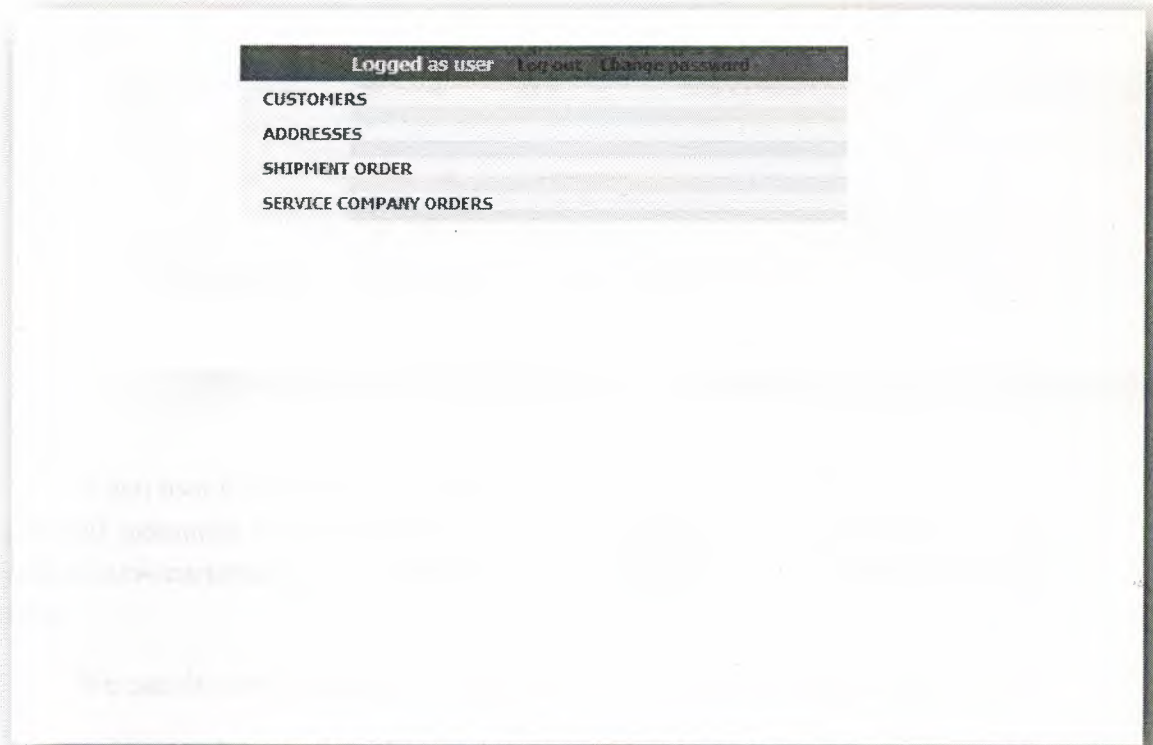
Please enter your username or email address and click on submit to receive your password by email

☐ Username:

☐ Email:

[Back to login page](#)

This is the Password Reminder page. In this page, we give a change to the user that they can recover their passwords. They can revive their passwords by using username or email. Both ways sends an email that contains user's password.



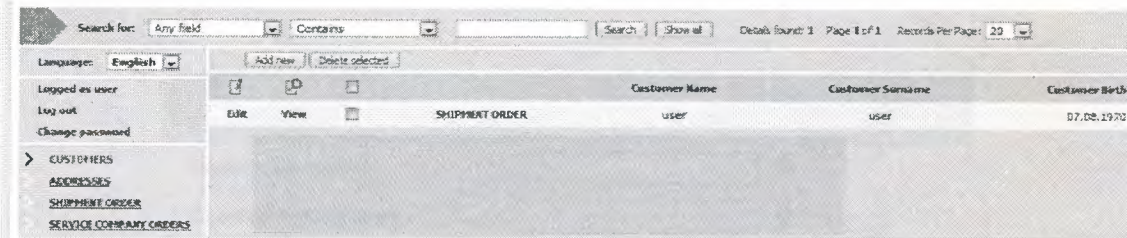
When any non-admin user logs in to the site, this screen is the first came. In here, we have the menu page that contains only the sections that only the users can access. The accessible sections are;

Customer Page,

Addresses Page,

Shipment Page,

And Service Company Orders Page which are explained later on.



When user clicks customers link, this page opens. In this page, we see the registred customers if there are any. If not by pressing the Add New button, we can create an new customer. We can delete our records by pressing the Delete Selected button.

We can do some operations on shown customer record which are;

- We can edit that record.
- We can view tha record.

At the left hand side there is a menu that we can access to Address Page, Shipment Order and Service Company Orders or by clicking the Change Password button, user can reset the pasword.

CUSTOMERS, Add new record	
Customer Name	<input type="text"/> *
Customer Surname	<input type="text"/> *
Customer Gender	Please select <input type="button" value="v"/> *
Customer Birthday	<input type="text"/> <input type="button" value="v"/> <input type="text"/> <input type="button" value="v"/> <input type="text"/> <input type="button" value="v"/> *
Customer Marital Status	Please select <input type="button" value="v"/> *
Customer Education Status	Please select <input type="button" value="v"/> *
Customer Profession	Please select <input type="button" value="v"/>
Customer Home Phone	<input type="text"/>
Customer Work Phone	<input type="text"/>
Customer Cell Phone	<input type="text"/>

* - Required field

This page is opened when user clicks the Add New button in the Customer Page. We can enter Customer name and surname, choose gender and birthday, marital status and education status, profession and phone numbers.

When you make any mistakes, user can press Reset button to start all over. After clicking the Save button, the record will be added in to Customers Database.

CUSTOMERS, Edit record [User Id Id: 22]	
Customer Name	<input type="text" value="user"/> *
Customer Surname	<input type="text" value="user"/> *
Customer Gender	<input type="text" value="female"/> *
Customer Birthday	<input type="text" value="7"/> <input type="text" value="August"/> <input type="text" value="1970"/> *
Customer Marital Status	<input type="text" value="married"/> *
Customer Education Status	<input type="text" value="middle school"/> *
Customer Profession	<input type="text" value="Supplies Operations - Logistic"/>
Customer Home Phone	<input type="text"/>
Customer Work Phone	<input type="text"/>
Customer Cell Phone	<input type="text"/>

* -Required field

This is the Customer Edit Page that is used for editing the registered customer's data. When we click Edit Button, all the data will be shown that is stored in the database. We can change all attributes that we recorded before. After clicking Save button, the changes that we made, are added in to the Customers Database.

CUSTOMERS, View record [User Id Id: 22]	
Customer Name	user
Customer Surname	user
Customer Birthday	07.08.1970
Customer Gender	female
Customer Marital Status	married
Customer Education Status	middle school
Customer Profession	Supplies Operations - Logistic
Customer Home Phone	
Customer Work Phone	
Customer Cell Phone	

Back to list

This is the View Page that when you want to see the datas what you recorded, you should press View Button in the menu.

ADDRESSES, Add new record	
Address Type	Please select ▼
Address Line	<div></div> *
City	Please select ▼
Zip Code	<div></div>
Country	Please select ▼
* - Required field	
<div>SaveResetBack to list</div>	

When Customer clicks the Add button, this page comes. Here we have a drop down list that contains address types which are home, shipping to or shipping from. Under the address type we have Address Line where user can enter their address. After that City drop down list contains the list of cities. There are also zip code and country selection part.

After clicking the Save button, record will be added into Addresses Database.

ADDRESSES, Edit record [User Id Id: 22]	
Address Type	<input type="text" value="home"/>
Address Line	<input type="text" value="Gelden Street No:22
Hamit Koy"/> *
City	<input type="text" value="Lefkose"/>
Zip Code	<input type="text"/>
Country	<input type="text" value="Please select"/>
* - Required field	
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Back to list"/>	

When Customer wants to edit his/her address information, they should use Edit section. They can change any data which they have.

ADDRESSES, View record [User Id Id: 22]	
Address Type	home
Address Line	Gelden Street No:22 Hamit Koy
City	Lefkose
Zip Code	
Country	Cyprus
Back to list	

This is the Addresses View page that customers can view their address informations.

Search for:

Any field

Contains

Search

Show all

Details found: 1

Page 1 of 1

Records Per Page: 20

Language: English

Add new

Delete selected

Logged as user

Log out

Change password

CUSTOMERS

ADDRESSES

SHIPMENT ORDER

SERVICE COMPANY ORDERS

Order Id	Shopping to Address	Shipping to Address	Delivered City	shipping from name	Shipping From Address	Fakos City	Order Type	Order Received Date	Order Completion Date	specification	fee
<div><div>Edit</div><div>View</div><div></div></div>	44	Alper Karaku	Baglar Sokak No:26 Etiler/Kacran	Ankara	Ali Karahan	Gelden Street No:12 Hamburg	Lefkoşe	VIP	08.06.2008 00:00:00	4	20

This is one of the important pages of our project because, the cargo shipment is arranged here. Customers give order to the firm that they have a cargo to deliver. Customers can add shipment order, edit, view or delete.

SHIPMENT ORDER, Add new record	
Order Type	<input type="text" value="Please select"/>
Order Received Date	08.06.2008 14:34:44
Shoppingto Name	<input type="text"/> *
Shopping to Address	<div><div></div></div> *
Delivered City	<input type="text" value="Please select"/> *
shopping_from_name	<input type="text"/>
Shopping From Address	<div><div></div></div> *
Taken City	<input type="text" value="Please select"/> *
Order Details	<input type="radio"/> letter <input type="radio"/> round_box <input type="radio"/> box
specification	<input type="text"/>
fee	<input type="text"/>
* - Required field <div> <input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Back to list"/> </div>	

This is the Add page of the shipmant order. There are two places that shows the destination informations. Under them other two places are for the source of the package. Here we have order details for the calculate the fee which customer has to pay.

After pressing the save buton, these all datas will be recorded into the database.

SHIPMENT ORDER, Edit record [Order Id: 44 , Customer Id: 22]	
Shoppingto Name	Alper Kurkcu *
Shopping to Address	Bagkur Bloklari 4.Blok No:26 Etlik/Kecioren
Delivered City	Ankara *
shopping_from_name	Ali Karahan
Shopping From Address	Gelden Street No:22 Hamitkoy
Taken City	Lefkose *
Order Details	<input type="radio"/> letter <input type="radio"/> round_box <input checked="" type="radio"/> box
specification	4
fee	20
* - Required field <div> <input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Back to list"/> </div>	

After giving the shipment order maybe user made some mistakes or addition to the shipment so they have to click edit button to edit all datas whatevet they want.

Subsequently clicking the save button, new datas will be added into the database.

SHIPMENT ORDER, View record [Order Id: 44 , Customer Id: 22]

Order Id	44
Order Status Code	Received
Shoppingto Name	Alper Kurkcu
Shopping to Address	Bagkur Bloklari 4.Blok No:26 Etlik/Kecioren
Delivered City	Ankara
Order Received Date	08.06.2008 00:00:00
Order Completion Date	
Order Type	VIP
shopping_from_name	Ali Karahan
Shopping From Address	Gelden Street No:22 Hamitkoy
Taken City	Lefkose
Order Details	box
specification	4
fee	20

[Back to list](#)

After giving the order customers can even view the conditions of the cargo. There are many preferences that cargo has, like;

- Destination Name and Address
- Order Received date
- If the packed delivered there will be a Completion Date
- Details and the fee of the cargo.

Search for: Any field	Contains	Search	Show all	Details found: 1	Page 1 of 1	Records Per Page: 20
Language: English	Customer Id	Order Id	Order Status Code	Order Received Date	Order Completion Date	Fee For Order
View	22	44	1	08.05.2008		3
Logged as user						
Log out						
Change password						
CUSTOMERS						
ADDRESSES						
SHIPMENT ORDERS						
> SERVICE COMPANY ORDERS						

This is the section of the cargos are given before. Customers can access their previously given cargos. They can check the cargo whether delivered or not. Here we have just a view page, no additional add, delete or edit sections.

SERVICE COMPANY ORDERS, View record [Order Id: 44]	
Order Id	44
Customer Id	22
Order Status Code	1
Order Received Date	08.06.2008
Order Completion Date	
Fee For Order	
Order Details	3
Back to list	

This is the last page of the project which is the view page of the cargo. We can see the status of the cargo. Order id, received or completion dates are shown in this section.

CHAPTER THREE: CODES OF THE PROJECT

3.1. DATABASE CODES

Users Table:

```
CREATE TABLE `users` (  
    `user_id` int(11) NOT NULL auto_increment,  
    `user_name` varchar(30) NOT NULL,  
    `user_pass` varchar(30) NOT NULL,  
    `user_email` varchar(30) NOT NULL,  
    `user_type` int(11) NOT NULL default '2',  
    PRIMARY KEY (`user_id`)  
) ENGINE=MyISAM AUTO_INCREMENT=27 DEFAULT CHARSET=utf8
```

Customer Table:

```
CREATE TABLE `customer` (  
    `user_id_id` int(11) NOT NULL,  
    `customer_name` varchar(30) NOT NULL,  
    `customer_surname` varchar(30) NOT NULL,  
    `customer_birth_day` date NOT NULL,  
    `customer_gender` char(10) NOT NULL,  
    `customer_marital_status` int(11) NOT NULL,  
    `customer_education_status` int(11) NOT NULL,  
    `customer_profession` int(11) default NULL,
```



```

`customer_home_phone` decimal(10,0) default NULL,
`customer_work_phone` decimal(10,0) default NULL,
`customer_cell_phone` decimal(10,0) default NULL,
PRIMARY KEY (`user_id_id`)
) ENGINE=MyISAM DEFAULT CHARSET=utf8

```

Addresses Table:

```

CREATE TABLE `addresses` (
    `user_id_id` int(11) NOT NULL,
    `address_line` varchar(300) default NULL,
    `city` varchar(50) default NULL,
    `zip_code` int(11) default NULL,
    `country` varchar(50) default 'Turkey',
    `address_type` int(11) default NULL,
    PRIMARY KEY (`user_id_id`)
) ENGINE=MyISAM DEFAULT CHARSET=utf8

```

Shipment Order Table:

```

CREATE TABLE `shipment_order` (
    `order_id` int(11) NOT NULL auto_increment,
    `customer_id` int(11) default NULL,
    `order_type` int(11) default NULL,
    `order_status_code` int(11) default '1',

```

```

        `shopping_from_add` varchar(250) default NULL,
        `shopping_to_add` varchar(250) default NULL,
        `shopping_to_name` varchar(30) default NULL,
        `order_received_date` date default NULL,
        `order_completion_date` date default NULL,
        `invoice_sent_count` int(11) default NULL,
        `order_details` varchar(200) default NULL,
        PRIMARY KEY (`order_id`)
    ) ENGINE=MyISAM AUTO_INCREMENT=39 DEFAULT
    CHARSET=utf8

```

Service Company Orders Table:

```

CREATE TABLE `service_company_orders` (
        `order_id` int(11) default NULL,
        `customer_id` int(11) default NULL,
        `order_status_code` int(11) default NULL,
        `order_received_date` date default NULL,
        `order_completion_date` date default NULL,
        `fee_for_order` int(11) default NULL,
        `order_details` varchar(200) default NULL
    ) ENGINE=MyISAM DEFAULT CHARSET=utf8

```

Reference Addresses Table:

```
CREATE TABLE `ref_address_types` (
    `address_type_code` int(11) default NULL,
    `address_type_description` varchar(50) default NULL
) ENGINE=MyISAM DEFAULT CHARSET=utf8
```

Reference Education Table:

```
ref_education_status CREATE TABLE `ref_education_status` (
    `education_status_id` int(11) NOT NULL auto_increment,
    `education_status_description` char(20) default NULL,
    PRIMARY KEY (`education_status_id`)
) ENGINE=MyISAM AUTO_INCREMENT=8 DEFAULT
CHARSET=utf8
```

Reference Gender Table:

```
CREATE TABLE `ref_gender` (
    `gender_id` int(11) NOT NULL auto_increment,
    `gender_description` char(10) default NULL,
    PRIMARY KEY (`gender_id`)
) ENGINE=MyISAM AUTO_INCREMENT=3 DEFAULT CHARSET=utf8
```

Reference Martial Table:

```
CREATE TABLE `ref_martial_status` (
    `martial_status_id` int(11) NOT NULL auto_increment,
    `martial_status_description` char(20) default NULL,
    PRIMARY KEY (`martial_status_id`)
) ENGINE=MyISAM AUTO_INCREMENT=4 DEFAULT
CHARSET=utf8
```

Reference Order Table:

```
CREATE TABLE `ref_order_status` (
    `order_status_code` int(11) NOT NULL auto_increment,
    `order_status_description` varchar(200) default NULL,
    PRIMARY KEY (`order_status_code`)
) ENGINE=MyISAM AUTO_INCREMENT=5 DEFAULT
CHARSET=utf8
```

Reference Profession Table:

```
CREATE TABLE `ref_profession_status` (
    `profession_id` int(11) NOT NULL auto_increment,
    `profession_description` char(30) default NULL,
    PRIMARY KEY (`profession_id`)
) ENGINE=MyISAM AUTO_INCREMENT=4 DEFAULT
CHARSET=utf8
```

Reference Services Table:

```
CREATE TABLE `ref_service_company_types` (  
    `company_type_code` int(11) NOT NULL,  
    `company_type_describe` varchar(200) default NULL,  
    `standart_fee` int(11) default NULL,  
    PRIMARY KEY (`company_type_code`)  
    ) ENGINE=MyISAM AUTO_INCREMENT=4 DEFAULT  
CHARSET=utf8
```

Reference User Types Table:

```
CREATE TABLE `ref_user_type` (  
    `user_type` int(11) NOT NULL,  
    `user_type_derscription` char(10) default NULL,  
    PRIMARY KEY (`user_type`)  
    ) ENGINE=MyISAM DEFAULT CHARSET=utf8
```

3.2. HTML CODES

Login Page:

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML><HEAD><TITLE>{mlang_message tag="LOGIN"}</TITLE>
<META content="text/html; charset=windows-1254" http-equiv=Content-
Type><LINK
rel=stylesheet type=text/css href="include/style.css">
<META name=GENERATOR content="MSHTML 6.00.6001.17184"></HEAD>
<BODY onload=javascript:document.forms[0].username.focus(); leftMargin=0
link=#0066cc topMargin=0 text=#000000 marginheight="0" marginwidth="0">
<DIV style="HEIGHT: 25%">
<P align=center><IMG border=0 alt=""
src="images/Logo%20Template%20-%20Logo_44.jpg"></P></DIV>
<TABLE border=0 cellSpacing=0 cellPadding=0 width="100%" height="50%">
<TBODY>
<TR>
<TD vAlign=middle align=middle>
<TABLE border=0 cellSpacing=0 cellPadding=0 width="100%">
<TBODY>
<TR>
<TD>&nbsp;</TD></TR></TBODY></TABLE>
<TABLE border=0 cellSpacing=0 cellPadding=0 width="100%">
<TBODY>
<TR>
<TD>
<TABLE border=0 cellSpacing=0 cellPadding=0 width="100%">
<TBODY>
<TR>
<TD vAlign=top align=right>
<TABLE border=0 cellSpacing=4 cellPadding=4 width=300
align=center>
<TBODY>
<TR>
<TD width=292>&nbsp;<STRONG><FONT color=#7d9ec0 size=4
face=Tahoma>Welcome to CargoNet
Website</FONT></STRONG></TD></TR></TBODY></TABLE>
<FORM id=form1 method=post name=form1 action=login.php>
<TABLE border=0 cellSpacing=0 cellPadding=0 width=300
align=center>
<TBODY>
<TR>
```



```

        <TD class=upeditmenu height=31 vAlign=middle
align=middle><B><FONT size=+1>{mlang_message
tag="LOGIN"}</FONT></B></TD>
    <TR>
        <TD class=shade vAlign=top>
            <TABLE class=shade border=0 cellSpacing=0 cellPadding=3
width="100%" align=center>
                <TBODY>
                    <TR height=10>
                        <TD colSpan=2>&nbsp;</TD>
                    <TR>
                        <TD style="PADDING-LEFT: 10px" width="50%"
align=right>
                            <DIV align=left>{mlang_message
tag="USERNAME"}:</DIV></TD>
                        <TD width="50%"><INPUT name=username
                            {$value_username}></TD>
                    <TR>
                        <TD style="PADDING-LEFT: 10px" width="50%"
align=right>
                            <DIV align=left>{mlang_message
tag="PASSWORD"}:</DIV></TD>
                        <TD width="50%"><INPUT
                            onkeydown="e=event; if(!e) e = window.event; if (e.keyCode != 13)
return; e.cancel = true; document.forms[0].submit();"
                            type=password name=password {$value_password}></TD>
                    <TR>
                        <TD style="PADDING-LEFT: 10px" width="50%"
align=right>
                            <DIV align=left>{mlang_message
tag="LANGUAGE"}:</DIV></TD>
                        <TD width="50%"><select name=lang onchange="javascript:
btnSubmit.value=""; document.forms.form1.submit();"><option value="English" {if
$language=="English"} selected {/if}>English</option><option value="Turkish" {if
$language=="Turkish"} selected {/if}>Turkish</option></select></TD>
                    <TR>
                        <TD style="PADDING-LEFT: 10px" width="50%"
align=right>
                            <DIV align=left>{mlang_message
tag="REM_PASSWORD"}:</DIV></TD>
                        <TD width="50%"><INPUT value=1 type=checkbox
                            name=remember_password {$checked}></TD>
                    <TR height=10>
                        <TD colSpan=2>&nbsp;</TD>

```

```

<TR class=blackshade>
  <TD class=blackshade height=40 vAlign=middle width="100%"
colSpan=2 align=middle><input type=hidden name=btnSubmit value="Login"><SPAN
  class=buttonborder><input type=submit value="{mlang_message
tag="SUBMIT"}" class=buttonM></SPAN></TD>
  <TR class=blackshade height=20 vAlign=middle>
    <TD colSpan=2 align=middle><A class=tablelinks
href="{ $url }">{mlang_message tag="GUEST"}</A></TD>
    <TR class=blackshade>
      <TD colSpan=2 align=middle><A class=tablelinks
href="register.php">{mlang_message
tag="REGISTER"}</A><BR><A
      class=tablelinks href="remind.php">{mlang_message
tag="FORGOT"}</A></TD>
    <TR class=blackshade>
      <TD class=blackshade colSpan=2 align=middle><FONT
color=red>{ $message }</FONT>&nbsp;
</TD></TR></TBODY></TABLE></TD></TR></TBODY></TABLE></FORM></
TD></TR></TBODY></TABLE></TD></TR></TBODY></TABLE></TD></TR></
TBODY></TABLE></BODY></HTML>

```

Register Page:

```
<html>
<head>
<title>{mlang_message tag="REGISTER"}</title>
<link REL="stylesheet" href="include/style.css" type="text/css">
</head>
<body text="#000000" leftmargin="0" topmargin="0" marginwidth="0"
marginheight="0" link="#0066cc" {$bodyonload}>
{$includes}
{include_if_exists file="include/header.php"}
{doevent name="RegisterOnLoad"}
<form encType="multipart/form-data" method="POST" action="register.php"
name="editform" {$onsubmit}>
<table width="100%" border="0" cellspacing="0" cellpadding="0" height="99%">
<tr>
<td valign="center" align="middle">
<table width="100%" border="0" cellspacing="0" cellpadding="0">
<tr>
<td>&nbsp;  </td>
</tr>
</table>
<table width="100%" border="0" cellspacing="0" cellpadding="0">
<tr>
<td>
<table width="100%" border="0" cellspacing="0" cellpadding="0">
<tr>
<td valign="top" align="right">
<table width="300" border="0" cellspacing="0" cellpadding="0"
align="center">
<tr>
<td>&nbsp;  </td>
</tr>
</table>
<table width="300" border="0" cellspacing="0" cellpadding="0"
align="center" >
<tr>
<td align="middle" class="upeditmenu" height=31 valign="middle">
<b><font size=+1>{mlang_message
tag="REGISTER"}</font></b></td>
</tr>
</tr>
</table>
```



```

        </td>                </tr>
                                <tr>
                                <td align=center colspan=2
class=blackshade>
                                <font
color=red>{$message}</font>
                                </td></tr>
                                <tr>
                                <td colspan=2 align=middle class=blackshade height=30 valign=top>
                                <a href="login.php"
class=tablelinks>{mlang_message tag="BACK_TO_LOGIN"}</a> </td> </tr>
                                </tbody>
                                </table></DIV>
                                </td>                </tr>                </table>                </form>
                                <p>&nbsp;</p></td></tr>
                                </table>                </td>                </tr>                </table>                </td> </tr></table>
{include_if_exists file="include/footer.php"}
</body>
{$linkdata}
</html>
Password Reminder:
<html>
<head>
<title>{mlang_message tag="REMINDER"}</title>
<link REL="stylesheet" href="include/style.css" type="text/css">
</head>
<body text="#000000" leftmargin="0" topmargin="0" marginwidth="0"
marginheight="0" link="#0066cc">
{literal}
<script language = JavaScript>
function OnKeyDown()
{
    e = window.event;
    if (e.keyCode == 13)
    {
        e.cancel = true;
        document.forms[0].submit();
    }
}
function UpdateControls()
{
    if (document.form1.searchby.value=="username")
    {
        document.form1.username.style.backgroundColor='white';
        document.form1.email.style.backgroundColor='gainsboro';
        document.form1.username.disabled=false;
        document.form1.email.disabled=true;
    }
    else
    {
        document.form1.username.style.backgroundColor='gainsboro';

```

```

        document.form1.email.style.backgroundColor='white';
        document.form1.username.disabled=true;
        document.form1.email.disabled=false;
    }
}
</script>
{/literal}
{doevent name="RemindPasswordOnLoad"}
<table width="100%" border="0" cellpadding="0" cellspacing="0" height="99%">
    <tr>
        <td valign="center" align="middle">
            <table width="100%" border="0" cellpadding="0" cellspacing="0">
                <tr>
                    <td>&nbsp;</td>
                </tr>
            </table>
            <table width="100%" border="0" cellpadding="0" cellspacing="0">
                <tr>
                    <td>
                        <table width="100%" border="0" cellpadding="0" cellspacing="0">
                            <tr>
                                <td align="top" align="right">
                                    <table width="300" border="0" cellpadding="0" cellspacing="0" align="center">
                                        <tr>
                                            <td>&nbsp;</td>
                                        </tr>
                                    </table>
                                    <table width="300" border="0" cellpadding="0" cellspacing="0" align="center" bgcolor="#cccccc">
                                        <tr>
                                            <td align="middle" class="upeditmenu" height=31>
                                                <b><font
size=+1>{mlang_message tag="REMINDER"}</font></b></td>
                                            <td align="top" class="shade">
                                                <div align="center">
                                                    <table width="300" border="0" align="center" class="shade" cellpadding=4
cellspacing=0 border=0>
                                                        <tbody>
                                                            <tr height=10><td>&nbsp;</td></tr>
                                                            <tr>
                                                                <td colspan="3">
                                                                    <form method="POST" action="remind.php" id=form1 name=form1>
                                                                        <input type="Hidden" name="searchby"
{ $strSearchBy}>
                                                                <td colspan=3 align="middle">
                                                                    {mlang_message tag="ENTER_EMAIL"}
                                                                </td>
                                                            </tr>
                                                            <tr>
                                                                <td align="left" width=30>
                                                                    <input name="remtype" type="Radio" { $checked_username}
onclick="form1.searchby.value='username';
UpdateControls();">&nbsp;&nbsp; {mlang_message tag="USERNAME"}:
                                                                <td>

```


Menu Page:

```
<html>
<head>
<link REL="stylesheet" href="include/style.css" type="text/css">
</head>
<body>
{include_if_exists file="include/header.php"}
<br>
<table cellpadding=5 cellspacing=0 border=0 width=400 align=center>
<tr><td align=center class=upeditmenu>&nbsp;
{mlang_message tag="LOGGED_AS"} <b>{$username}</b> &nbsp;&nbsp;&nbsp;
<a href="login.php?a=logout" class=tablelinks>{mlang_message
tag="LOG_OUT"}</a>
{if $not_a_guest}
&nbsp;&nbsp;&nbsp;<a href="changepwd.php" class=tablelinks>{mlang_message
tag="CHANGE_PASSWORD"}</a>
{/if}
</td>
</tr>
{if $allow_users}
<tr><td class=shade style="padding-left:15px">
<a href="users_list.php" class=tablelinks>
USERS</a>
</td></tr>
{/if}
{if $allow_customer}
<tr><td class=shade style="padding-left:15px">
<a href="customer_list.php" class=tablelinks>
CUSTOMERS</a>
</td></tr>
{/if}
{if $allow_addresses}
<tr><td class=shade style="padding-left:15px">
<a href="addresses_list.php" class=tablelinks>
ADDRESSES</a>
</td></tr>
{/if}
{if $allow_shipment_order}
<tr><td class=shade style="padding-left:15px">
<a href="shipment_order_list.php" class=tablelinks>
SHIPMENT ORDER</a>
</td></tr>
```

```

{/if}
{if $allow_service_company_orders}
<tr><td class=shade style="padding-left:15px">
<a href="service_company_orders_list.php" class=tablelinks>
SERVICE COMPANY ORDERS</a>
</td></tr>
{/if}
{if $allow_country}
<tr><td class=shade style="padding-left:15px">
<a href="country_list.php" class=tablelinks>
Country</a>
</td></tr>
{/if}
{if $allow_city}
<tr><td class=shade style="padding-left:15px">
<a href="city_list.php" class=tablelinks>
City</a>
</td></tr>
{/if}
{if $allow_ref_service_company_types}
<tr><td class=shade style="padding-left:15px">
<a href="ref_service_company_types_list.php" class=tablelinks>
Ref Service Company Types</a>
</td></tr>
{/if}
{if $allow_ref_order_detail}
<tr><td class=shade style="padding-left:15px">
<a href="ref_order_detail_list.php" class=tablelinks>
Ref Order Detail</a>
</td></tr>
{/if}
{if $allow_sort}
<tr><td class=shade style="padding-left:15px">
<a href="sort_list.php" class=tablelinks>
Sort</a>
</td></tr>
{/if}
{if $allow_ref_address_types}
<tr><td class=shade style="padding-left:15px">
<a href="ref_address_types_list.php" class=tablelinks>
Address Types</a>
</td></tr>
{/if}
{if $allow_ref_order_status}

```



```

<tr><td class=shade style="padding-left:15px">
<a href="ref_order_status_list.php" class=tablelinks>
Ref Order Status</a>
</td></tr>
{/if}
{if $allow_ref_education_status}
<tr><td class=shade style="padding-left:15px">
<a href="ref_education_status_list.php" class=tablelinks>
Ref Education Status</a>
</td></tr>
{/if}
{if $allow_ref_gender}
<tr><td class=shade style="padding-left:15px">
<a href="ref_gender_list.php" class=tablelinks>
Ref Gender</a>
</td></tr>
{/if}
{if $allow_ref_marital_status}
<tr><td class=shade style="padding-left:15px">
<a href="ref_marital_status_list.php" class=tablelinks>
Ref Marital Status</a>
</td></tr>
{/if}
{if $allow_ref_profession_status}
<tr><td class=shade style="padding-left:15px">
<a href="ref_profession_status_list.php" class=tablelinks>
Ref Profession Status</a>
</td></tr>
{/if}
{if $allow_ref_user_type}
<tr><td class=shade style="padding-left:15px">
<a href="ref_user_type_list.php" class=tablelinks>
Ref User Type</a>
</td></tr>
{/if}
</table>
{include_if_exists file="include/footer.php"}
</body>
</html>

```

3.3. PHP Codes:


3.3.1 Events Codes:

```
<?xml version="1.0"?>
<!-- list of possible events
EVENT_LOGIN_ONLOAD EVENT_BEFORELOGIN
EVENT_AFTERSUCCESSFULLOGIN EVENT_AFTERUNSUCCESSFULLOGIN
EVENT_REGISTER_ONLOAD EVENT_BEFOREREGISTER
EVENT_AFTERSUCCESSFULREGISTRATION
EVENT_AFTERUNSUCCESSFULREGISTRATION
EVENT_CHANGEPASSWORD_ONLOAD
EVENT_BEFORECHANGEPASSWORD EVENT_AFTERCHANGEPASSWORD
EVENT_REMINDPASSWORD_ONLOAD EVENT_BEFOREREMINDPASSWORD
EVENT_AFTERREMINDPASSWORD
EVENT_ADD_ONLOAD EVENT_BEFOREADD EVENT_AFTERADD
EVENT_LIST_ONLOAD EVENT_BEFOREDELETE EVENT_AFTERDELETE
EVENT_AFTERMASDELETE
EVENT_EDIT_ONLOAD EVENT_BEFOREEDIT EVENT_AFTEREDIT
EVENT_COPY_ONLOAD EVENT_BEFORECOPY EVENT_AFTERCOPY
EVENT_VIEW_ONLOAD
EVENT_PRINT_ONLOAD
EVENT_EXPORT_ONLOAD
EVENT_REPORT_ONLOAD
EVENT_CHART_ONLOAD
<Events>
<Event>EVENT_LOGIN_ONLOAD</Event>
<Event>EVENT_BEFORELOGIN</Event>
<Event>EVENT_AFTERSUCCESSFULLOGIN</Event>
<Event>EVENT_AFTERUNSUCCESSFULLOGIN</Event>
<Event>EVENT_REGISTER_ONLOAD</Event>
<Event>EVENT_BEFOREREGISTER</Event>
<Event>EVENT_AFTERSUCCESSFULREGISTRATION</Event>
<Event>EVENT_AFTERUNSUCCESSFULREGISTRATION</Event>
<Event>EVENT_CHANGEPASSWORD_ONLOAD</Event>
<Event>EVENT_BEFORECHANGEPASSWORD</Event>
<Event>EVENT_AFTERCHANGEPASSWORD</Event>
<Event>EVENT_REMINDPASSWORD_ONLOAD</Event>
<Event>EVENT_BEFOREREMINDPASSWORD</Event>
<Event>EVENT_AFTERREMINDPASSWORD</Event>
<Event>EVENT_ADD_ONLOAD</Event>
```

```

<Event>EVENT_BEFOREADD</Event>
<Event>EVENT_AFTERADD</Event>
<Event>EVENT_LIST_ONLOAD</Event>
<Event>EVENT_BEFOREDELETE</Event>
<Event>EVENT_AFTERDELETE</Event>
<Event>EVENT_AFTERMASDELETE</Event>
<Event>EVENT_EDIT_ONLOAD</Event>
<Event>EVENT_BEFOREEDIT</Event>
<Event>EVENT_AFTEREEDIT</Event>
<Event>EVENT_COPY_ONLOAD</Event>
<Event>EVENT_BEFORECOPY</Event>
<Event>EVENT_AFTERCOPY</Event>
<Event>EVENT_VIEW_ONLOAD</Event>
<Event>EVENT_SEARCH_ONLOAD</Event>
<Event>EVENT_PRINT_ONLOAD</Event>
<Event>EVENT_EXPORT_ONLOAD</Event>
<Event>EVENT_REPORT_ONLOAD</Event>
<Event>EVENT_CHART_ONLOAD</Event>
</Events>
</EventCode>
-->
<languages>
<language name="php"/>
<EventCodes language="php">
<EventCode type="EMAIL" name="Send simple email" events="all" code="
$email=&quot;test@test.com&quot;;
$message=&quot;Hello there\nBest regards&quot;;
$subject=&quot;Sample subject&quot;;
mail($email, $subject, $message);
">
</Events/>
</EventCode>
<EventCode type="EMAIL" name="Send email with old data record" code="
global $conn,$strTableName;
$email=&quot;test@test.com&quot;;
$message=&quot;&quot;;
$subject=&quot;Sample subject&quot;;
$rs = db_query(&quot;select * from &quot;. $strTableName .&quot; where &quot;
$where,$conn);
if($data=db_fetch_array($rs))
{
    foreach($data as $field=>$value)
        $message.= $field.&quot; : &quot;.$value.&quot;\r\n&quot;;
    mail($email, $subject, $message);
}

```

```

}
">
<Events>
<Event>EVENT_BEFOREDELETE</Event>
<Event>EVENT_EDIT_ONLOAD</Event>
<Event>EVENT_BEFOREEDIT</Event>
<Event>EVENT_COPY_ONLOAD</Event>
<Event>EVENT_BEFORECOPY</Event>
<Event>EVENT_VIEW_ONLOAD</Event>
</Events>
</EventCode>
<EventCode type="EMAIL" name="Send email with new data" code="
$email=&quot;test@test.com&quot;;
$message=&quot;&quot;;
$subject=&quot;New data record&quot;;
foreach($values as $field=>$value)
    $message.= $field.&quot; : &quot;.$value.&quot;\r\n&quot;;
mail($email, $subject, $message);
">
<Events>
<Event>EVENT_BEFOREREGISTER</Event>
<Event>EVENT_BEFOREADD</Event>
<Event>EVENT_BEFOREEDIT</Event>
<Event>EVENT_BEFORECOPY</Event>
</Events>
</EventCode>
<EventCode type="OTHER" name="Display a message on the Web page" events="all"
code="
echo &quot;Your message here&quot;;
">
<Events/>
</EventCode>
<EventCode type="DATABASE" name="Save old data record in another table" code="
//***** Save old data record in another table *****
global $conn,$strTableName;

$strSQLSave = &quot;INSERT INTO AnotherTable (Field1, Field2) SELECT Field1,
Field2 FROM &quot;.$strTableName.&quot; where &quot;.$where;
db_exec($strSQLSave,$conn);

">
<Events>
<Event>EVENT_BEFOREDELETE</Event>
<Event>EVENT_EDIT_ONLOAD</Event>

```

```

<Event>EVENT_BEFOREEDIT</Event>
<Event>EVENT_COPY_ONLOAD</Event>
<Event>EVENT_BEFORECOPY</Event>
<Event>EVENT_VIEW_ONLOAD</Event>
</Events>
</EventCode>

<EventCode type="DATABASE" name="Save new data in another table" code="
//***** Save new data in another table *****
global $conn,$strTableName;

$strSQLSave = &quot;INSERT INTO AnotherTable (Field1, Field2) values (&quot;;

$strSQLSave .= $values[&quot;Field1&quot;].&quot;,&quot;;
$strSQLSave .= $values[&quot;Field2&quot;];

$strSQLSave .= &quot;)&quot;;
db_exec($strSQLSave,$conn);

">
<Events>
<Event>EVENT_BEFOREREGISTER</Event>
<Event>EVENT_BEFOREADD</Event>
<Event>EVENT_BEFOREEDIT</Event>
<Event>EVENT_BEFORECOPY</Event>
</Events>
</EventCode>
<EventCode type="DATABASE" name="Insert a record into another table"
events="all" code="
//***** Insert a record into another table *****
global $conn;
$strSQLInsert = &quot;insert into TableName (Field1, Field2) values (Value1,
Value2)&quot;;
db_exec($strSQLInsert,$conn);
">
<Events/>
</EventCode>
<EventCode type="OTHER" name="Redirect to another page" events="all" code="
//***** Redirect to another page *****
header(&quot;Location: anypage.php&quot;);
exit();
">
<Events/>
</EventCode>

```

```

<EventCode type="DATABASE" name="Check if specific record exists" events="all"
code="
//***** Check if specific record exists *****
global $conn;
$strSQLExists = &quot;select * from AnyTable where AnyColumn='AnyValue'&quot;;
$rsExists = db_query($strSQLExists,$conn);
$data=db_fetch_array($rsExists);
if($data)
{
    // if record exists do something
}
else
{
    // if dont exist do something else
}
">
<Events/>
</EventCode>
<EventCode type="OTHER" name="Custom code" events="all" code="
//***** Custom code *****
// put your custom code here
">
<Events/>
</EventCode>
</EventCodes>
</languages>

```


Rest of the codes are in the CD that is at the end off the report.

While working on this project, I received feedback from Dr. Peter Hogg and Dr. John Hogg. After some discussion, I decided to keep the code as is. However, I would like to thank them for their feedback and for their help in the project.

The project began with a lot of research. I found a lot of information on the internet. While working on my project, I received a lot of support from my friends and family. I would like to thank them for their support and for their help in the project.

Meanwhile, I gained a lot of experience. I learned a lot of things from this project. I am very grateful for all the help and support.

While generating the code, I received a lot of feedback from my friends and family. I would like to thank them for their feedback and for their help in the project.

For the appearance of this project, I would like to thank Dr. Peter Hogg and Dr. John Hogg. I would also like to thank my friends and family for their support and for their help in the project.

Conclusion

Before selecting this project , I had insufficient ideas about PHP, Mysql and HTML coding. After some discussing, I decided to do a project about Cargo Business. Nevertheless, I can develop myself about these engineering skills. In fact I wanted to use Java, later we choose this type.

This project tough me how to be successful in limited time with unlimited source, like internet. While building my project I had electronic sources support. I learnt how to examine conditions and situations of the working platform. Cargo business is the required service and could be really developable area, thats why this is my choise.

Meanwhile, I gained great experiences before graduating and being an engineer. I am very grateful for all assistances.

While generating the databases, I had no serious problems. First I wrote down databases on a paper, then I build up them.

For the appearance I used templates becouse in modern life I assume that we "engineers" do not write the Html codes by hand. This would be a time loss. I rather doing Html part, I work on the Php codings, more on the events codes. Event codes are the unique lines. They need real effort and creativity.

Preferences to Electronic Sources – Online sources from Web:

<http://en.wikipedia.org/wiki/PHP>

<http://www.php.net/>

<http://dev.mysql.com/doc/>

<http://en.wikipedia.org/wiki/MySQL>

<http://www.xlinesoft.com/phprunner/>

<http://www.apache.org/>

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