A PROJECT REPORT

AIRLINE RESERVATION SYSTEM PROJECT

Submitted To

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BHOPAL

FOR THE BECHLOR OF COMPUTER APPLICATION

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From:-

Jyoti Batham

6 BCA

CERTIFICATE FROM STUDY CENTER

This is to certify that this project entitled **"Airline Reservation System Project**" submitted in partial fulfillment of the degree of **Bachelor of Computer Application** to the **Makhanlal Chaturvedi National University of Journalism and Communication Bhopal** through **Utkarsh Academy Awas Vikas Colonyatehgarh (Farrukhabd)** done by **Ms. Jyoti Batham** of 6BCA **Roll No…….** is an authentic work carried out by her at **Utkarsh Academy Awas Vikas Colony Fatehgarh (Farrukhabad)** under my guidance. The matter embodied ib\n this project work has not been submitted earlier for award of any degree diploma to the best any knowledge and belief.

Signature of the student **Signature of Director**

SELF CERTIFICATE

This is to certify that this project entitled **"Airline Reservation System Project"** is done by me is an authentic work carried out for the partial fulfillment of the requirements for the award to the degree of the **Bachelor of Computer Application** under the guidance of **Mr. Devendra Batham.** The matter embodied in this project work has not been submitted earlier for award of any degree or diploma to the best of any knowledge and belief.

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Software Requirement Specification

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PREFACE

With the fast development of computer technology, the software projects are growing and complexity. Software experts have recently sought to develop a more systematic and formal approach in the design, development and implementation of their software. This new approach has become necessary because the traditional methods of system development often yielded software characterized by late diversity, costliness, unreliability, and non-maintainability and nonuse ability.

In this new age of computing everything has been computerized, so how can we become isolate and untouched from this environment. That's why keeping this thing in mind and an opportunity or probably a creativity to do such a task different and unique from others, we thought a way to develop this software.

This project has been developed in aim to aid and computerize an flight booking. While keeping in mind the user will find an easy and friendlier user interface to perform his task. The software has been made so user friendly that any person can use it easily without having any computer experience.

INTRODUCTION

1.1. Project Overview

Airline Reservation System contains the details about flight schedules and its fare tariffs, passenger reservations and ticket records. Air Alliance operates flights to 30 destinations in India namely Allahabad, Bengaluru, Bhopal, Bhuj , Dehradun, Delhi, Diu, Gorakhpur, Guwahati, Hyderabad, Jabalpur, Jaipur, Jammu, Kanpur, Kochi, Kolkata, Kullu, Mumbai, Pant nagar, Pune, Raipur, Ranchi, Shimla, Surat, Vijayawada, Tezpur and Tirupati.

1.2. Project Description

Airline Reservation System will hold flight schedules and its fare tariffs, passenger reservations and ticket records. It saves time as it allows online procedure as users longer to wait in a queue to book the flights. It is automatically generated by the server. Admin is the main authority who can do addition, deletion, and modification of flights if required.

The project has been planned to be having the view of distributed architecture, with centralized storage of the database. The application for the storage of the data has been planned. Using the constructs of Database Mysql and all the user interfaces have been designed using the Adobe Dreamweaver technologies.

The database connectivity is planned using the “SQL Connection” methodology.

The standards of security and data protective mechanism have been given a big choice for proper usage. The application takes care of different modules and their associated reports, which are produced as per the applicable strategies and standards that are put forwarded by the administrative staff.

The entire project has been developed keeping in view of the distributed client server computing technology, in mind. The specification has been normalized up to 2NF to eliminate all the anomalies that may arise due to the database transaction that are executed by the general users and the organizational administration. The user

interfaces are browser specific to give distributed accessibility for the overall system.

The internal database has been selected as Database Mysql.

The Airline Reservation System project is an implementation of a general Airline Ticketing website like Orbitz, which helps the customers to search the availability and prices of various airline tickets, along with the different packages available with the reservations.

This project also covers various features like online registration of the users, modifying the details of the website by the management staff or administrator of the

website, by adding, deleting or modifying the customer details, flights or packages information. In general, this website would be designed to perform like any other airline ticketing website available online.

1.3. Definitions, Acronyms, and Abbreviations

Personal Details:- Details of passengers such as user id, phone number, address, passport no, e-mail address etc.

- Contact Details: Details of contact associated with the passenger.
  - SRS: System Requirement Specification
  - WWW: World Wide Web
- MySQL: is a RDBMS based on SQL which is used for adding, removing, and modifying information in the database.
- RDBMS: Relational Database Management System
- HTML: Hypertext Markup Language
- PHP: Hypertext Preprocessor
  - CSS: Cascading Style Sheet

HTTP: Hypertext Transfer Protocol

1.4. References

Software Requirement Specifications from Internet.

Software Requirement Specifications, Airline Reservation System.

IEEE (Institute of Electrical and Electronics Engineers) Guide to Software Requirements Specifications.

www.project-airline-system-basics.com

www.wikipedia.com

www.google.com

www.slideshare.com

HTML for the World Wide Web wi6th XHTML and CSS Guide, Fifth Edition

IEEE Computer Society, 1998.

Problem Definition

2.1 Existing System:-

In few countries if a person wants to book a flight ticket, he use to follow one of these things:

Disadvantages

- Fewer Users – Friendly
- No proper coordination between different Applications and Users.
- Less Security.
- Risk of mismanagement and of data when the project is under development.

- No use of Web Services and Remoting.
- Cannot Upload and Download the latest updates.
- Hence the Passenger may or may not be satisfied with this approach as it includes manual intervention like travelling to Airport for booking his ticket.
- Even above approaches make a ticket booking online, it was not completely done on online. Passenger may not have much freedom over this approach.
- Booking the Ticket at some particular registered ticket counters in online.
- Fill the Ticket form on system and get the print out as paper documents to submit it at Airport.
- Downloading the ticket form as paper document, filling it manually and submitting it at Airport.
- Manually goes to the Airport and book his ticket.

2.2. **Proposed System:**

The Proposed system ensures the complete freedom for users, where user at his own system can logon to this website and can book his ticket. Our proposed system allows only registered users to book the tickets, view timings and cancel their tickets.

In this Proposal the entire work is done on online and ticket with id is also provided for passengers as a print document. Here passengers can send their

queries and suggestions through a feedback form.

To debug the existing system, remove procedures those cause data redundancy, make navigational sequence proper To build strong password mechanism.

Advantages

- It provides high level of security with different level of authentication.
- The system makes the overall project management much easier and flexible.
- User friendliness provided in the application with various controls.

2.3**. Product Functions**

The website will allow access only to authorized users with specific roles (Administrator- maintains the website, Company-Register the passengers, Passenger- Fills the details).

Following are the System Functions:

Passenger role: On the register form, passenger should enter all their detail such as their name, passport number, Email and contact number.

Administration role

The system administrator must be able to: add, update and modify flights and view the customer details.

2.4**. User Characteristics**

End Users

All specific knowledge or skills are required from the feeder.

- **Experience**: Users should have prior information regarding the online booking.
- **Educational level**: Users should be comfortable with the English language.
- **Skills**: Users should have basic knowledge and should be comfortable.

Administrator :-

Administrator must be capable to manage user rights. This system will not take care of any virus problem, which might occur either on the Client or the server system. Avoiding the use of pirated software and ensuring that floppies and other removable media are scanned for viruses before use could minimize the possibility of viral infection.

2.5**. Constraints** :-

The Information of all users, subjects and allocations must be stored in a database that is accessible by every connected system. MySQL used for database.

- Users must have their correct usernames and passwords to enter into their Accounts.
- Users may access from any system connected to the online database.

2.6**. System Study** :-

System Study is a detailed study of the various operations performed by a system and their relationships within and outside of the system. Here the key question is- what all problems exist in the present system? What must be done to solve the problem?

Analysis begins when a user or manager begins a study of the program using existing system.

System study can be categorized into two parts.

- System planning and initial investigation
- Proposed System with objectives

2.7. **Assumptions and Dependencies** :-

The Software needs the following third party products-

- Adobe Dreamweaver for development of project
- WAMP for database connectivity.

Although basic password authentication and role based security mechanisms will be used to protect OPMS from unauthorized access; functionality such as email notifications are assumed to be sufficiently protected under the existing security policies applied by the University network team. Redundant Database is setup as the role of backup Database Server when primary database is failure.

Feasibility Study:-

Preliminary investigation examines project feasibility. The likelihood the system will be useful to the organization. The main objective of the feasibility study is to test the Technical, Operational and Economical feasibility for adding new modules and debugging old running system. All system is feasible if they are unlimited resources and infinite time. There are aspects in the feasibility study portion of the preliminary investigation:

- Economic Feasibility
- Operation Feasibility
- Technical Feasibility

3.1. **Technical Feasibility** :-

The technical issue usually raised during the feasibility stage of the investigation includes the following:

- Does the proposed equipment have the technical capacity to hold the data required to use the new system?
- Does the necessary technology exist to do what is suggested?
- Can the system be upgraded if developed?
- Will the proposed system provide adequate response to inquiries, regardless of the number or location of users?

- Are there technical guarantees of accuracy, reliability, ease of access and data security

Earlier no system existed to cater to the needs of 'Secure Infrastructure Implementation System'. The current system developed is technically feasible. It is web based user interface for audit workflow at NIC-CSD. Thus, it provides an easy access to the users. The database's purpose is to create, establish and maintain a workflow among various entities to facilitate all concerned users in their various capacities or roles. Permission to the users would be granted based on the roles specified. Therefore, it provides the technical guarantee of accuracy, reliability and security. The software and hardware requirements for the development of this project are not many and are already available in-house at NIC or are available as free as open source. The work for the project is done with the current equipment and existing software technology.

Necessary bandwidth exists for providing a fast feedback to the users irrespective of the number of users using the website.

3.2. Operational Feasibility

Proposed projects are beneficial only if they can be turned out into information system. That will meet the organization's operating requirements. Operational feasibility

aspects of the project are to be taken as an important part of the project implementation. Some of the important issues raised are to test the operational feasibility of a project includes the following:

- Is there sufficient support for the management from the users?
- Will the system be used and work properly if it is being developed and implemented?
- Will there be any resistance from the user that will undermine the possible application benefits?

This system is targeted to be in accordance with the above-mentioned issues. Beforehand, the management issues and user requirements have been taken into consideration. So, there is no question of resistance from the users that can undermine the possible application benefits.

3.3. Economic Feasibility:-

A system can be developed technically and that will be used if installed must still be a good investment for the organization. In the economic feasibility, the development cost in creating the system is evaluated against the ultimate benefit derived from the new systems. Financial benefits must equal or exceed the costs.

3.4. Interfaces :-In computing, an interface is a shared boundary across which three separate components of computer system exchange information. User interfaces The application will have a user friendly and menu based interface.

3.5. Hardware Requirements:-

- Intel I3 2.8 GHz Processor and Above.
- RAM 1 GB and Above.
- HDD 20 GB Hard Disk Space and Above.

3.6. Software Requirements:-

- WINDOWS OS (Windows 7, 8 ,10) Or Linux ¬
- Adobe Dreamweaver ¬
- PHP Wamp Server For Windows(Apache) ¬
- Database Mysql For Backend.

Server side An Apache Web server will accept all requests from the client. A development database will be hosted locally (using MySQL); the production database is hosted centrally.

MY-SQL (BACKEND) :-

MySQL in July 2013, it was the world's second most widely used RDBMS, and the most widely used open-source client server model RDBMS. It is named after

co- founder Michael Widenius's. The SQL abbreviation stands for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements.

Apache :-

The Apache HTTP Server is web server software notable for playing a key role in the initial growth of the World Wide Web. In 2009 it became the first web server software to surpass the 100 million web site milestone. Apache is developed and maintained by an open community of developers under the auspices of the Apache Software Foundation. Since April 1996 Apache has been the most popular HTTP server software in use.

XAMPP:-

XAMPP is a small and light Apache distribution containing the most common web development technologies in a single package. Its contents, small size, and portability make it the ideal tool for students developing and testing applications in PHP and MySQL. XAMPP is available as a free download in two specific packages: full and lite.

While the full package download provides a wide array of development tools, XAMPP Lite contains the necessary technologies that meet the Ontario Skills Competition standard.

System Analysis:-

System Analysis is a detailed study of the various operations performed by a system and their relationships within and outside of the system. Here the key question is- what all problems exist in the present system? What must be done to solve the problem? Analysis begins when a user or manager begins a study of the program using existing system.

4.1. Software Requirement Specification (SRS):-

The software, Site Explorer is designed for management of web sites from a remote location. This section provides software requirements to a level of detail sufficient to enable designers to design the system an testers to test the system.

This section contains all of the functional and quality requirements of the system.

It gives a detailed description of the system and all its features.

Introduction

Purpose:- The main purpose for preparing this document is to give a general insight

into the analysis and requirements of the existing system or situation and for determining the operating characteristics of the system.

Scope: This Document plays a vital role in the development life cycle (SDLC) and it describes the complete requirement of the system. It is meant for use by the developers and will be the basic during testing phase. Any changes made to the requirements in the future will have to go through formal change approval process.

Developer's responsibilities overview: -

The developer is responsible for: -

- Developing the system, which meets the SRS and solving all the requirements of the system?¬
- Demonstrating the system and installing the system at client's location after the acceptance testing is successful.
- Submitting the required user manual describing the system interfaces to work on it and also the documents of the system.
- **Conducting** any user training that might be needed for using the system.
- Maintaining the system for a period of one year after installation.

4.2. Communication Interfaces:-

The HTTP protocol will be used to facilitate communications between the client and server. The system supports Google Chrome and Mozilla Firefox web browsers.

4.3. Memory Constraints:-

Minimum memory of 512MB is required to run the exe file without any lags. This constraint does not possess an issue now a days as the minimum present RAM in a common system is 1GB.

At least 512 MB RAM and 5 MB space on hard disk will be required for running the program.

4.4. Operations:-The normal and special operations required by the user

Such as:

- Data processing support functions.
- Periods of interactive operations and periods of unattended operations
- The various modes of operations in the user organization.
- Backup and recovery operations

4.5. Site Adaptation Requirements :-

There should no site adaptation requirement since the Web Application Server was setup.

4.6. Functional Requirements:-

- Administrator will be responsible for updating the site.
- Organizations can change their information regarding themselves. The students can login through TEST-ID and PASSWORD.
- Only authorized person can access related details.
- The website will help the colleges/organizations/companies to conduct their student registration
- It deals with the functionalities required from the system which are as follows:

4.6.1. Performance Requirements:-

This subsection specifies numerical requirements placed on the software or on the human interaction with the software, as a whole Numerical requirements will include:

- 300 terminals will be supported at a time.
- Only text information will be supported(HTTP).

4.6.2. Assumptions and Dependencies :-

The Software needs the following third party products-

- Adobe Dreamweaver for development of project.
- WAMP for database connectivity.

Although basic password authentication and role based security mechanisms will be used to protect OPMS from unauthorized access; functionality such as email notifications are assumed to be sufficiently protected under the existing security policies applied by the University network team. Redundant Database is setup as the role of backup Database Server when primary database is failure.

System Design :-

The purpose of System Design is to create a technical solution. That satisfies the functional requirements for the system. At this Point in the project lifecycle there should be a Functional Specification, written primarily in business terminology, containing a complete description of the operational needs of the various organizational entities

that will use the new system.

The Challenge is to translate all of this information into Technical Specifications that accurately describe the design of the system, And that can be used as input to System Construction. Thee Functional Specification produced during System Requirements Analysis is transformed into a physical architecture. System components are distributed across the physical architecture, usable interfaces are

designed and prototyped, and

Technical Specifications are created for the Application Developers, enabling them to build and test the system. Many organizations look at System Design primarily as the Preparation of the system component specifications; however,

Constructing the various system components is only one of a setoff major steps in successfully building a system.

The preparation of the environment needed to build the system, the testing of the system, and the migration and preparation of the data that will ultimately be used by the system are equally important.

In addition to designing the technical solution, System Design is the time to initiate focused planning efforts for both the testing and data preparation activities

.

DATA FLOW DIAGRAM

Four simple notations are used to complete a DFD. These notations are given below:-

DATA FLOW: - The data flow is used to describe the movement of information from one part of the system to another part.Data flow is represented by an arrow.

PROCESS: - A circle or bubble represents a process that transforms incoming data to outgoing data. Process shows a part of the system that transform inputs to outputs.

EXTERNAL ENTITY: - External entities represent any entity that supplies or receive information from the system but is not a part of the system.

DATA STORE: - The data store represents a logical file. A logical file can represent either a data store symbol which can represent either a data structure or a physical file on disk. The data store is used to collect data at rest or a temporary repository of data. It is represented by open rectangle.

OUTPUT:-The output symbol is used when a hard copy is produced and the user of the copies cannot be clearly specified or there are several users of the output.

SYMBOLS:-

- Function
- File/Database
- Input/output
- Flow Diagram
- Context Diagram

Symbols

Function

File/Dtabase

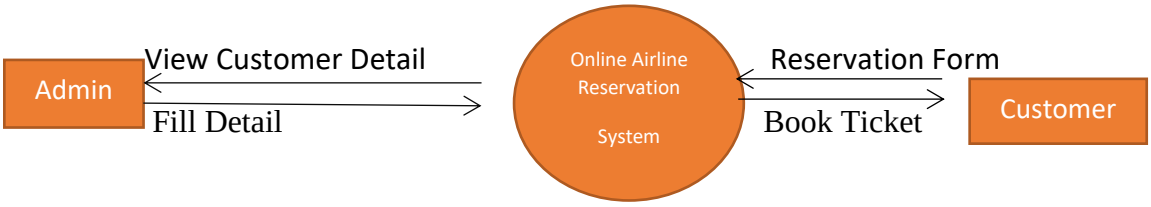
Input/Output

Flow

Context Diagram

LEVEL-0/Context Diagram:-

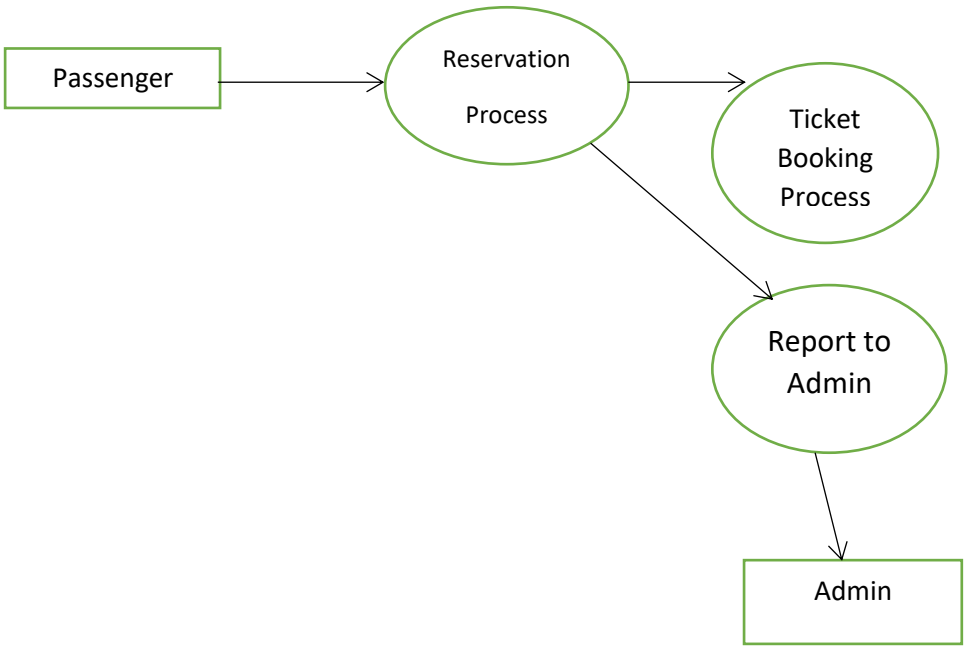
Reservation Form View Customer Details Fill Details Book Ticket Online Airline Reservation System Admin Customer.



LEVEL-1 DFD

Reservation Storage Files Passenger Reservation process Ticket booking process Report to Admin .

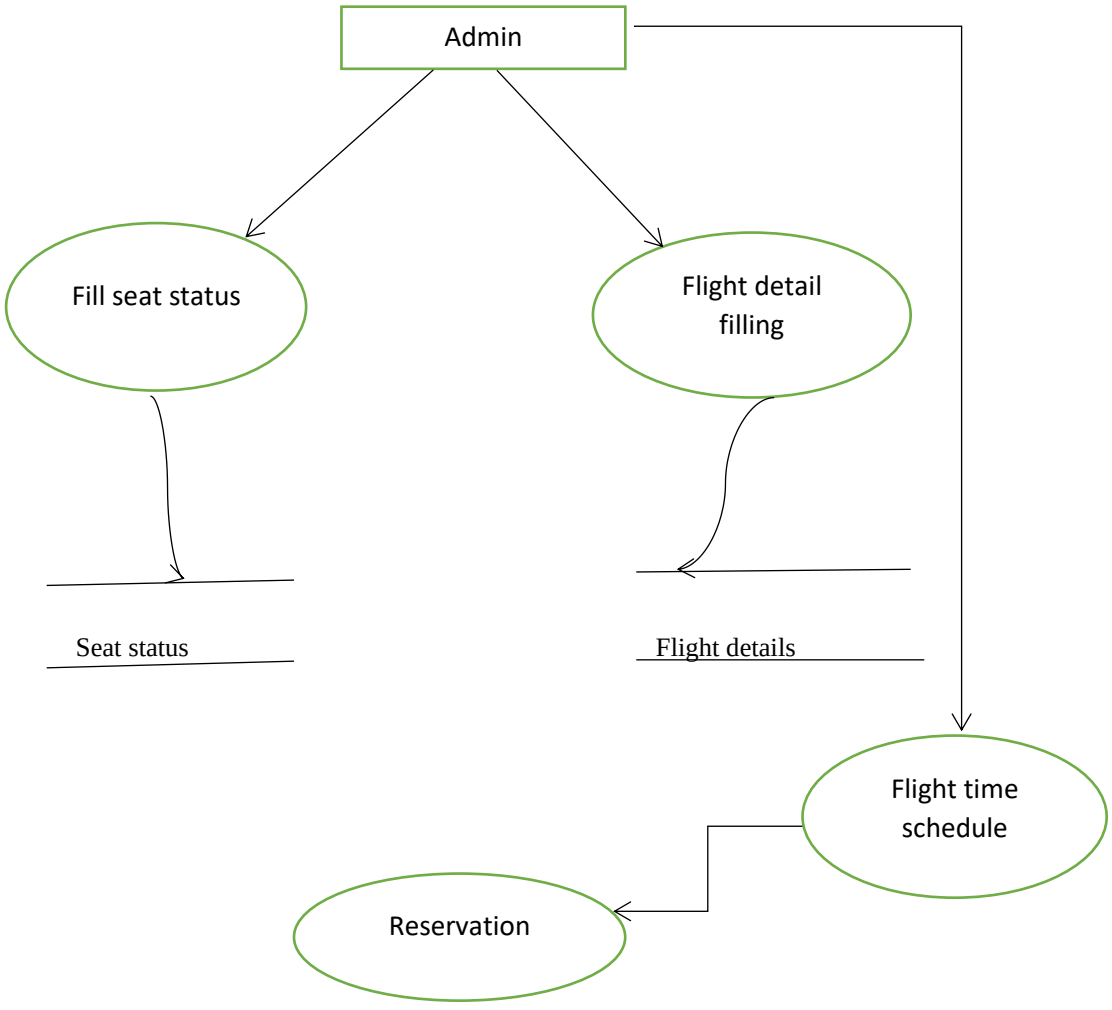
Level-1DFD



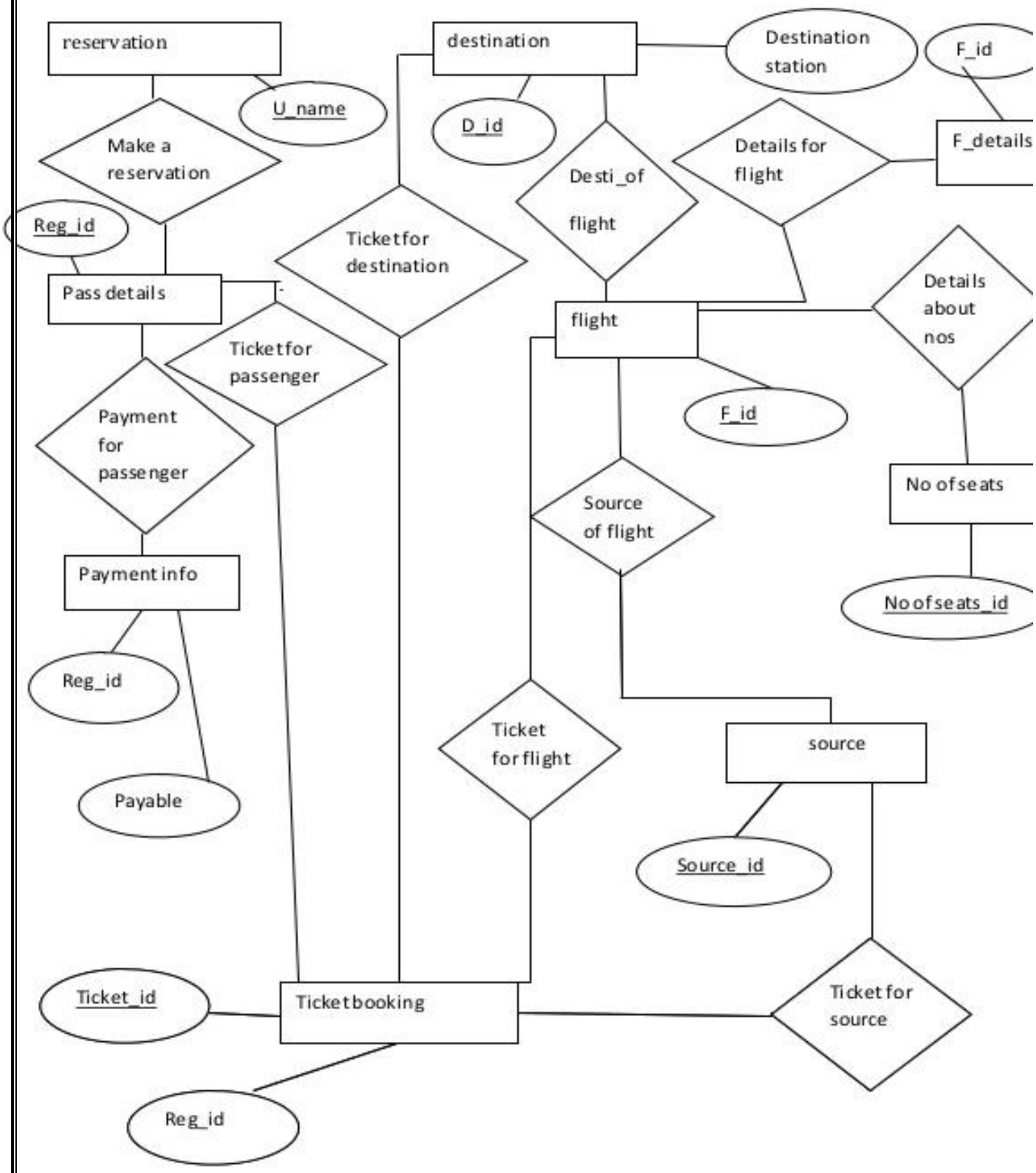
LEVEL-2 DFD

- Seat Status Flight Details Admin Fill seat status Flight detail filling Reservation
- Flight time schedule.
- Use Case Diagram Admin Customer Login Detail filling about flight Register Book Flight Payment Seat Status Detail about the customer.

2-levelDFD



ER-DIAGRAM


reservation
U_name
Make a reservation
Reg_id
Pass details
Ticket for passenger
Payment for passenger
Payment info
Reg_id
Payable
destination
D_id
Destination station
F_id
F_details
Desti_of flight
Details for flight
Ticket for destination
flight
Details about nos
F_id
No of seats
No of seats_id
Source of flight
source
Source_id
Ticket for flight
Ticket for source
Ticket_id
Ticket booking
Reg_id

SYSTEM DESIGN

MODULE DESCRIPTION

The list of modules incorporated with "AIRLINE RESERVATION SYSTEM "is as follows:

Registration module

After registering with us the passenger can logon to his/her own account and can view all flight details such as Timings, Prices, Availability of seats and can book the ticket with unique ticket id and gives its personal details. Once Passenger registered with us can book any number of tickets.

Administrative module

Administrative module is provided for the sake of administrators to manage the site and update the content at regular intervals, the major operations included in this module are:

- Create and maintain airline schedule, fare and timings of the Flight.
- View the available seats in the flights.
- View the passenger list. View all airline schedules, timings, fare details and seats availability.
- Updating the flight schedule and timings and fare
- Passenger module

This module is meant for passengers, where a user logging into his/her owns account will view this panel. The major operations included in this module were

- View the ticket.
- Book for the tickets.

5.2. Software System Attributes:-

There are a number of attributes of software that can serve as requirements. It is important that required attributes by specified so that their achievement can be objectively verified. The following items provide a partial list of examples. These are also known as non-functional requirements or quality attributes. These are characteristics the system must possess, but that pervade (or cross-cut) the design. These requirements have to be testable just like the functional requirements. It's easy to start philosophizing here, but keep it specific.

5.2.1. Reliability

It means the extent to which program performs with required precision. The website developed should be extremely reliable and secure so that information about any questions etc. is not leaked. The system shall not be down more than 2 times in a year.

5.2.2. Availability:-

Checking that the system always has something to function and always pop up error messages in case of component failure. In that case the error messages appear when something goes wrong so to prevail availability problems.

5.3.3. Security :-

The security requirements deal with the primarily security. The software should be handled only by the administrator and authorized users. Only the administrator has right to assign permissions like creating new accounts and generating password. Specific requirements in this area could include the need to:

- Assign certain functions to different modules
- Keep specific log or history data sets
- Utilize certain cryptographic techniques.
- Check data integrity for critical variable.
- Restrict communications between some areas of the program.

5.2.4. Maintenbility:-

The application is to be designed so that it is easily maintained. Also it should allow incorporating new requirements in any module of system. Backups for database are available.

5.2.5. Portability :-

The software is a web based application and is built in PHP and My SQL. So it is platform independent and is independent of OS. The application will be easily portable on any window based system.

5.3. Organizing the specific Requirements:-

For anything but trivial systems the detailed requirements tend to be extensive. For this reason, it is recommended that careful consideration be given to organizing these in a manner optimal for understanding. There is no one optimal organization for all systems. Different classes of systems lend themselves to different organizations of requirements in section 3. Some of these organizations are described in the following subclasses.

5.3.1. System Mode:-

Some systems behave quite differently depending on the mode of operation. When organizing by mode there are two possible outlines. The choice depends on whether interfaces and performance are dependent on mode.

5.3.2. User Class

Some systems provide different sets of functions to different classes of user.

5.3.3. Objects

Objects are real-world entities that have a counterpart within the system. Associated with each object is a set of attributes and functions. These functions are also called services, methods, or processes. Note that sets of objects may share attributes and services. These are grouped together as class

3. 5.4. Feature

A feature is an externally desired service by the system that may require a sequence of inputs to affect the desired result. Each feature is generally described in as sequence of stimulus-response pairs.

5.3.5. Stimulus

Some systems can be best organized by describing their functions in terms of stimuli.

5.3.6. Response

Some systems can be best organized by describing their functions in support of the generation of a response.

5.3.7. Functional Hierarchy

When none of the above organizational schemes prove helpful, the overall ``functionality can be organized into a hierarchy of functions organized by either common inputs, common outputs, or common internal data access. Data flow diagrams and data dictionaries can be use dot show the relationships between and among the functions and data.

PROJECT EVALUATION

1. INTRODUCTION

This document mainly focuses on presenting the summary of experiences gained by me as an MSE student during the entire life cycle of the MSE project.

2. PROBLEMS ENCOUNTERED

This section of the project evaluation document describes all the difficulties that I have encountered during my MSE project.

2.1 SOLUTION DOMAIN RESEARCH AND LEARNING

Identifying a technology to work on for my MSE project was one of the basic difficulties that I have faced. But, to be honest, with my growing interest for C#.NET, I decided that it would be the best fit for my MSE project. Since my MSE project **"The Airline Reservation System"** is a web application project C# was chosen for the project. The different advantages offered by C#.NET technology and my craving for

the technologies made me choose C#.NET.

2.2 LEARNING ASP.NET AND C# LANGUAGE

Learning and experimenting with new technologies and languages is of great interest to me. I wanted to take up the challenge of learning a new technology and then implementing it. Learning this new technology has taken quite some time for me. I have had a few difficulties finding a good resource for learning .NET. I have learnt .NET through many tutorials available online and also the complete reference book for .NET has helped me a lot. Since all the examples available online were very simple, I had to work hard to implement some of the features in the project.

2.3 SECURITY ISSUES

Installing the software necessary for project took some time for me. I couldn't find the Visual Studio .NET 2003 CD and the Windows XP professional CD for a reasonable price online. I finally found the software that I needed from the CIS department. I also had some problems configuring the IIS server. A lot of research and hard work has helped me figure out the problem.

2.4 JMETER

JMeter installation and set-up was one of the problems I faced during the testing phase of the project. Initially I was able to set-up JMeter, but it kept crashing each and every time I put a heavy load on the server. So, I had to re-install it and then start the testing all over again.

3. SOURCE LINES OF CODE

The source line of code is a very important measure of the software project being developed. For my Airline Reservation System project, I have used a tool called the SLOC Metrics which counts the number of lines of code, based on the directory that we provide for search to the tool. We also need to indicate the types of files that the tool has to scan. So, based on the information provided by me to the tool, the following data was produced by the tool:

The numbers of lines of code in files with extension .cs are: **2310**

The numbers of lines of code in the files with extension .aspx , which is the ASP.NET server page are : **1262**

The numbers of lines of code in the files with extension .resx are: **962**

Thus combining all these , the total lines of code would be: **4534**

Thus nearly more than **50%** of the coding consisted of **C#** coding. Most of the time spent for coding was for C# , since they are the files which have the actual logic to be implemented into the system. Nearly **28 %** of the coding

was covered by the **.aspx** files, which are the ASP.NET server pages.

4. PROJECT DURATION

Initially I had planned to complete my MSE project by the end of the July 2008. But due to my health problems and also the availability of the committee members the project would be completed by the end of summer semester.

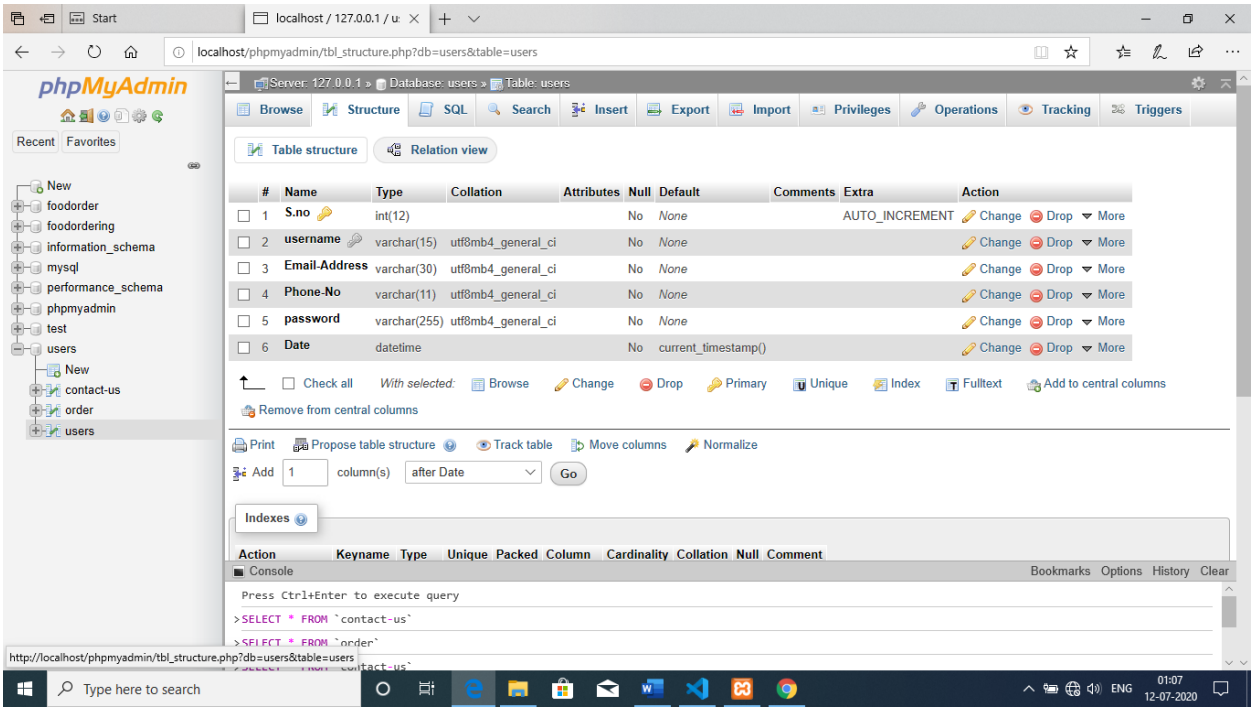
Initially I had estimated the effort required for the project as 4.56 staff months. In the project plan initially I had put in a total of 22 days for the Phase II of the project, but later on I had some coding problems and I had to extend the deadline for the Phase II of the project by 15 more days.

DATABASE DESIGN

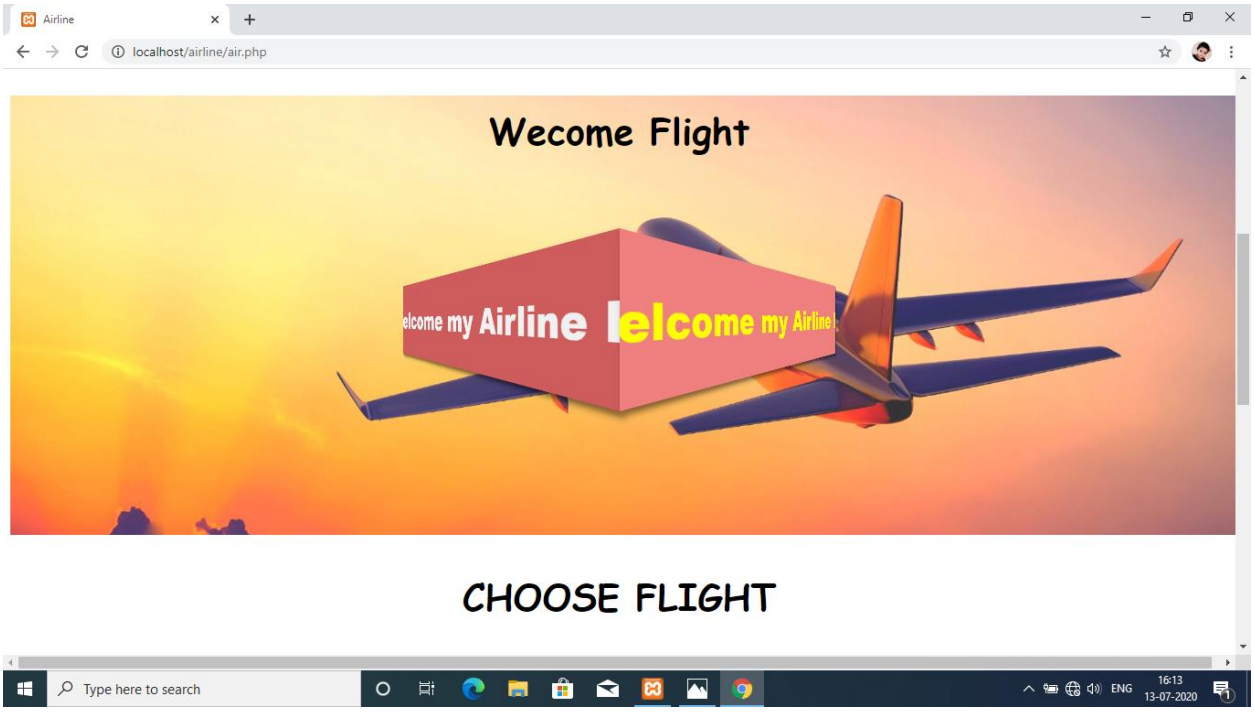
The general theme behind a database is to handle information as an integrated whole. A database is a collection of interrelated data stored with minimum redundancy to serve many users quickly and efficiently. The general objective is to make information access easy quick and flexible for user. In database design several objectives are considered.

Control Redundancy: -Redundant occupies space and therefore, is wasteful. If versions of the data are in different phases of updating the system often gives conflicting information. A unique aspect of database design is storing only once, which controls redundancy and improves system performance.

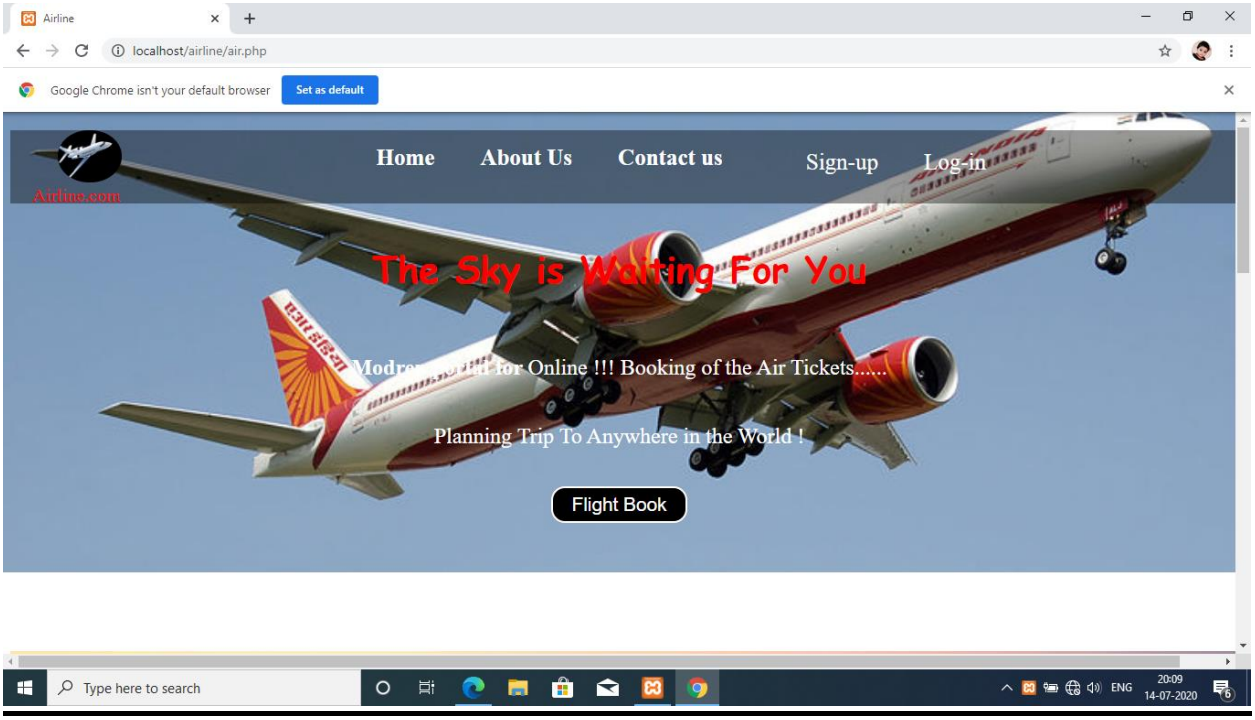
Table Structure Registration Table



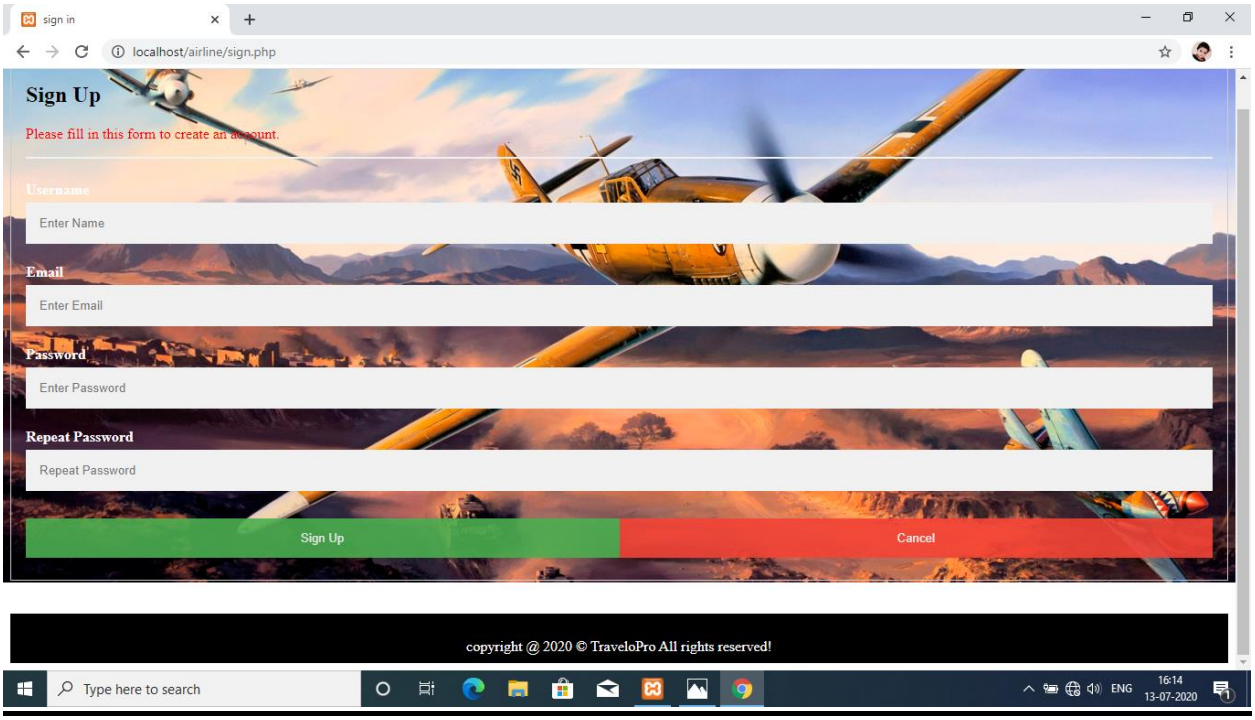
Home_page


Airline
localhost/airline/air.php
Wecome Flight
elcome my Airline
elcome my Airline
CHOOSE FLIGHT
Type here to search
ENG
16:13
13-07-2020

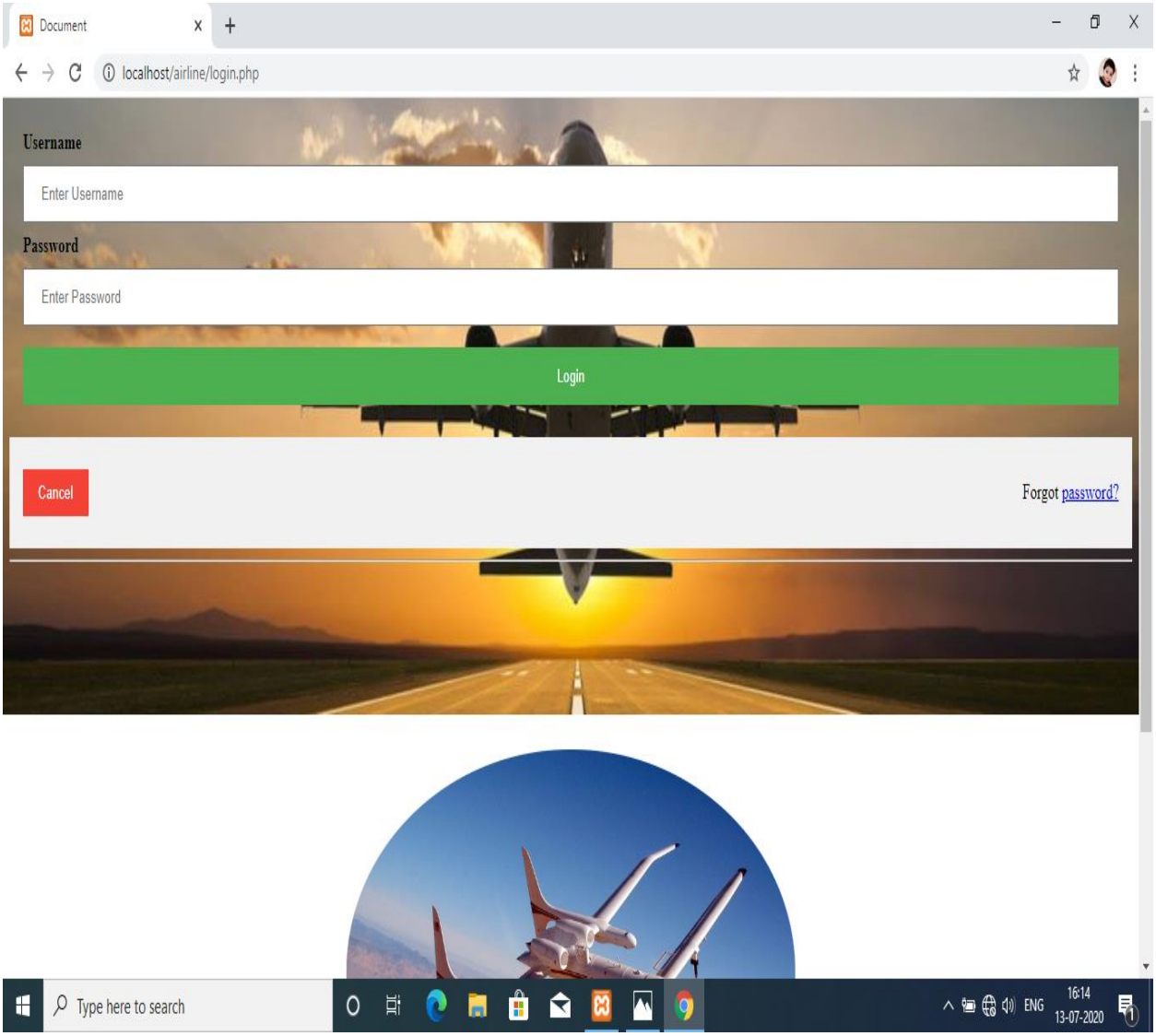
Home page



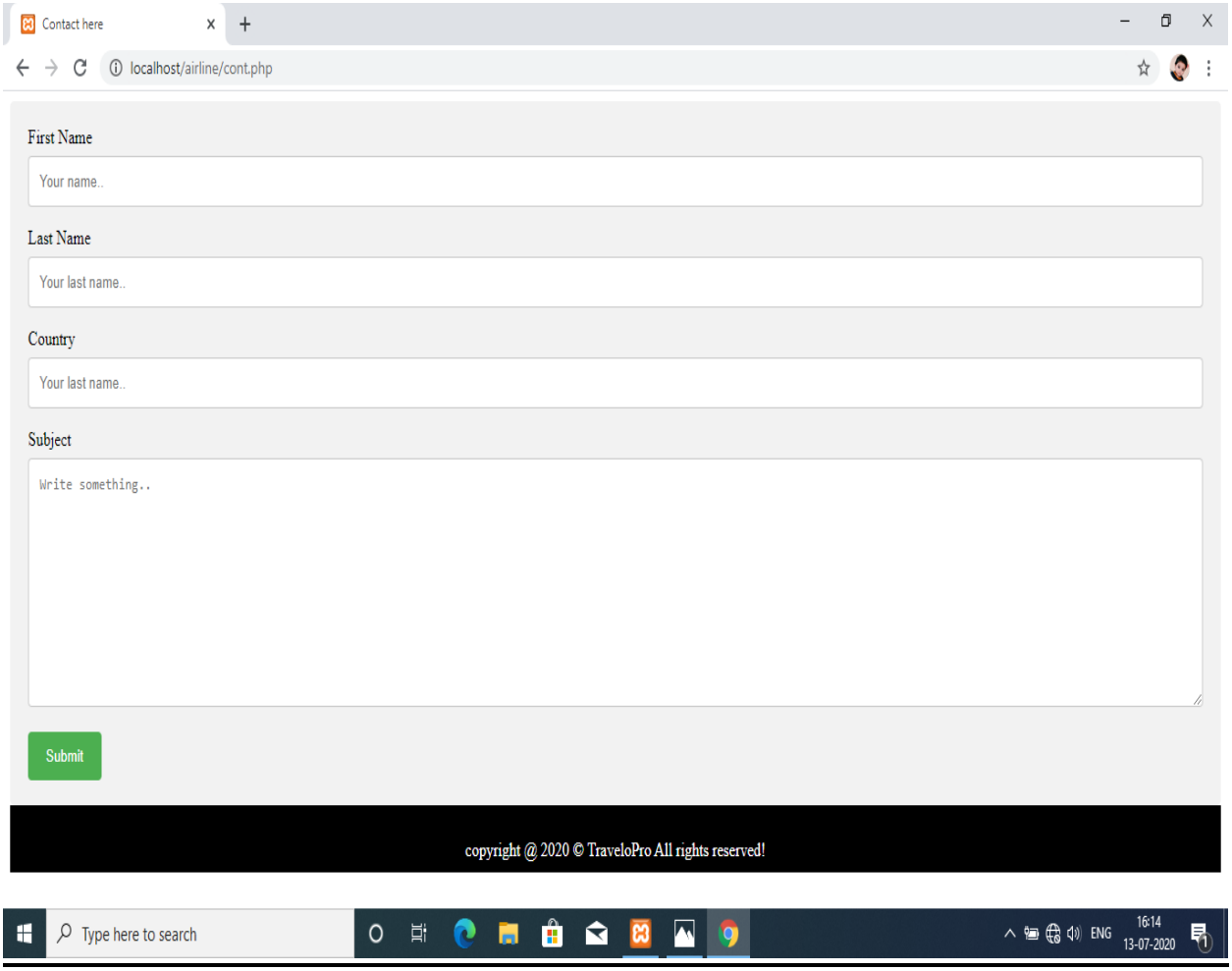
Sign up



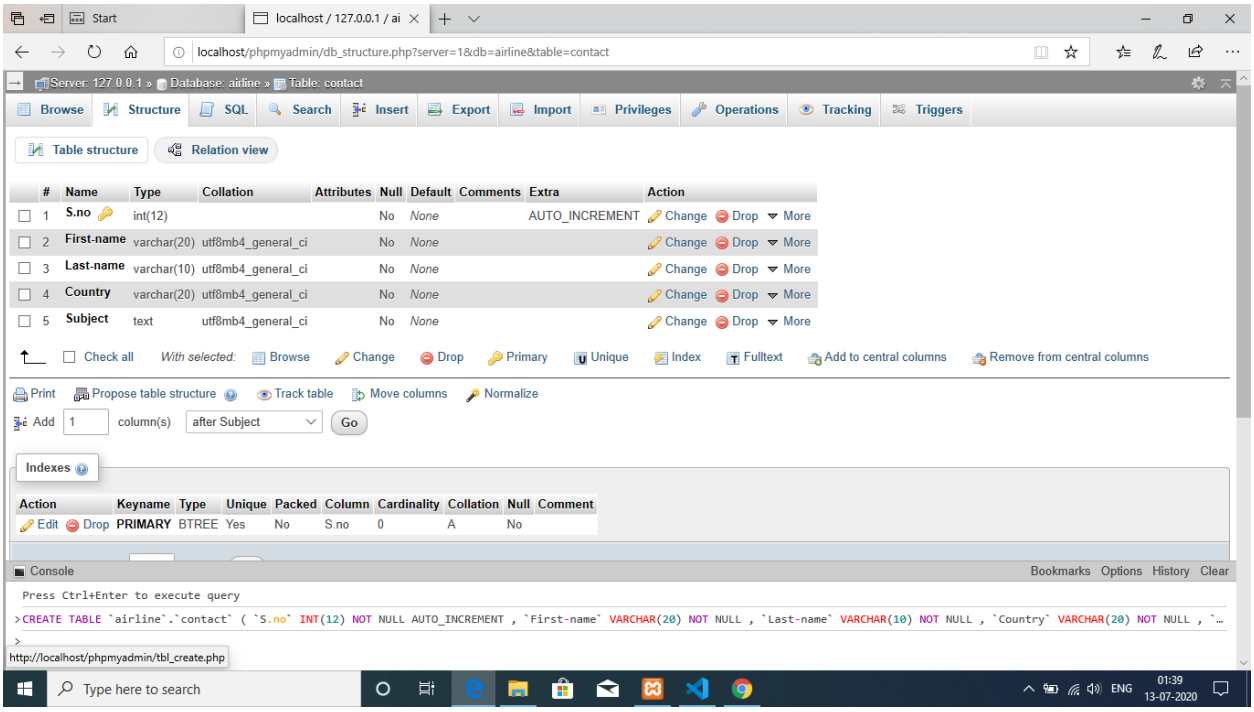
Login pade design



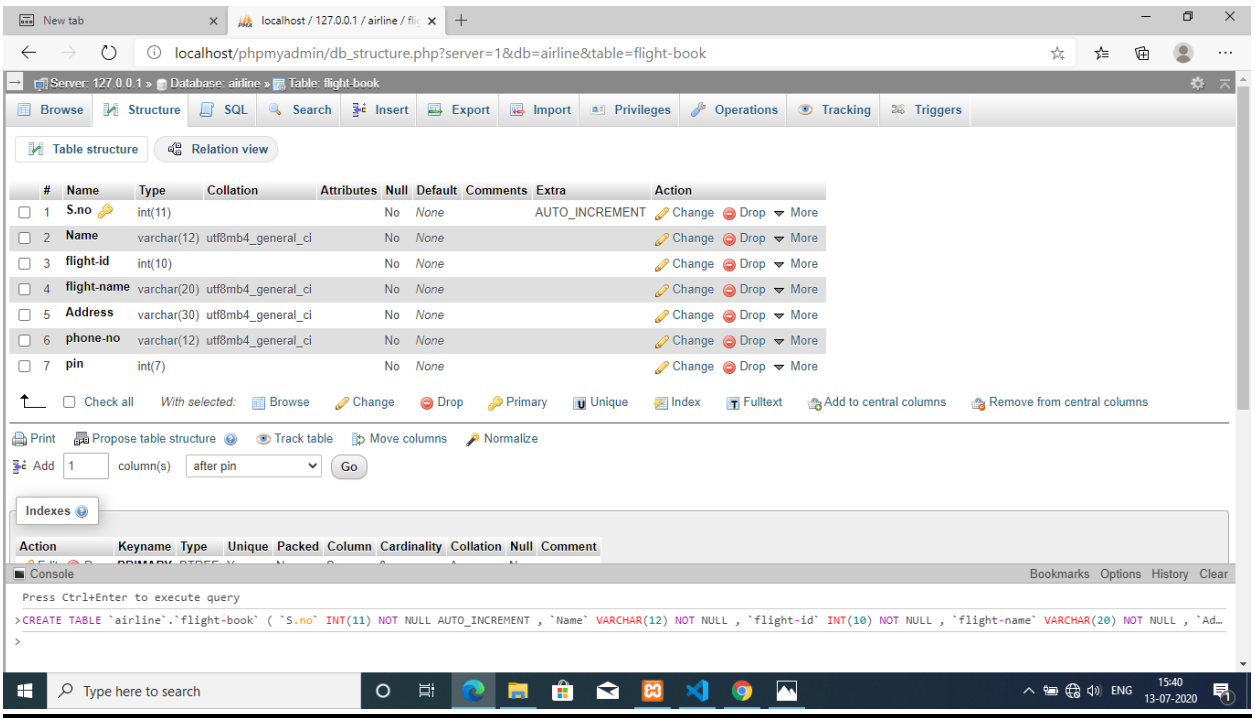
Contact us form design



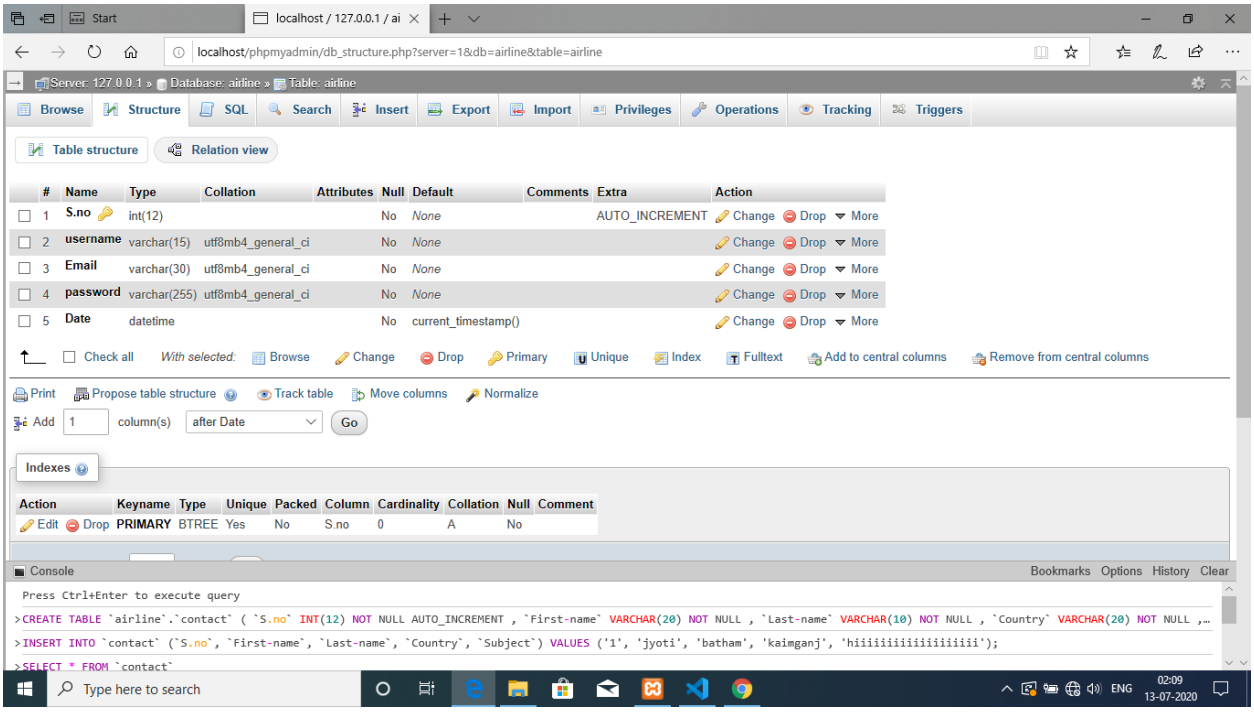
Contact database structure



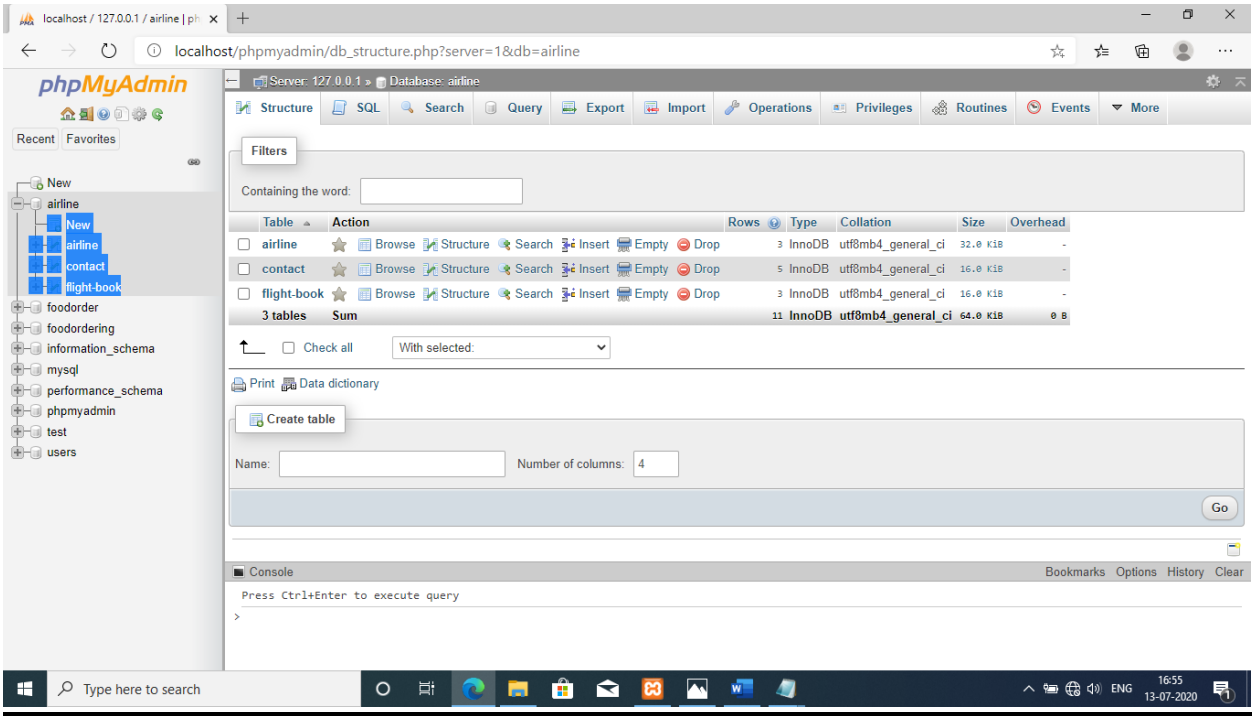
Flight book database structure

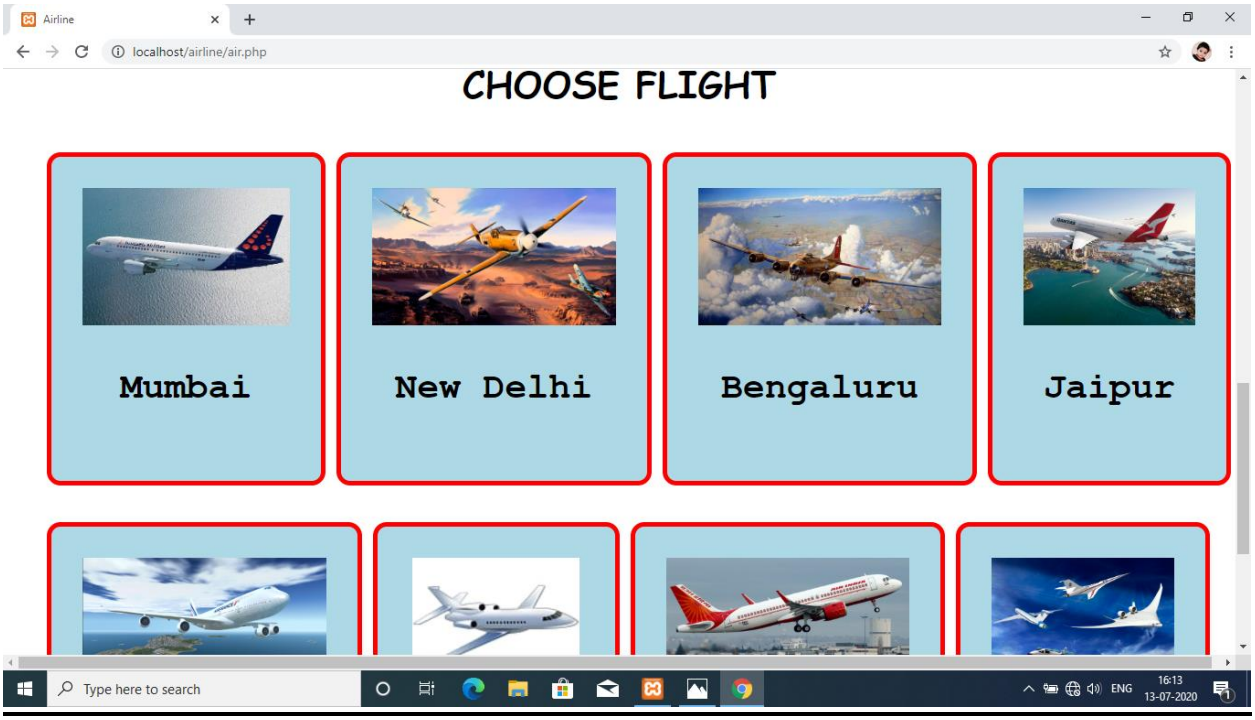


signin database structure

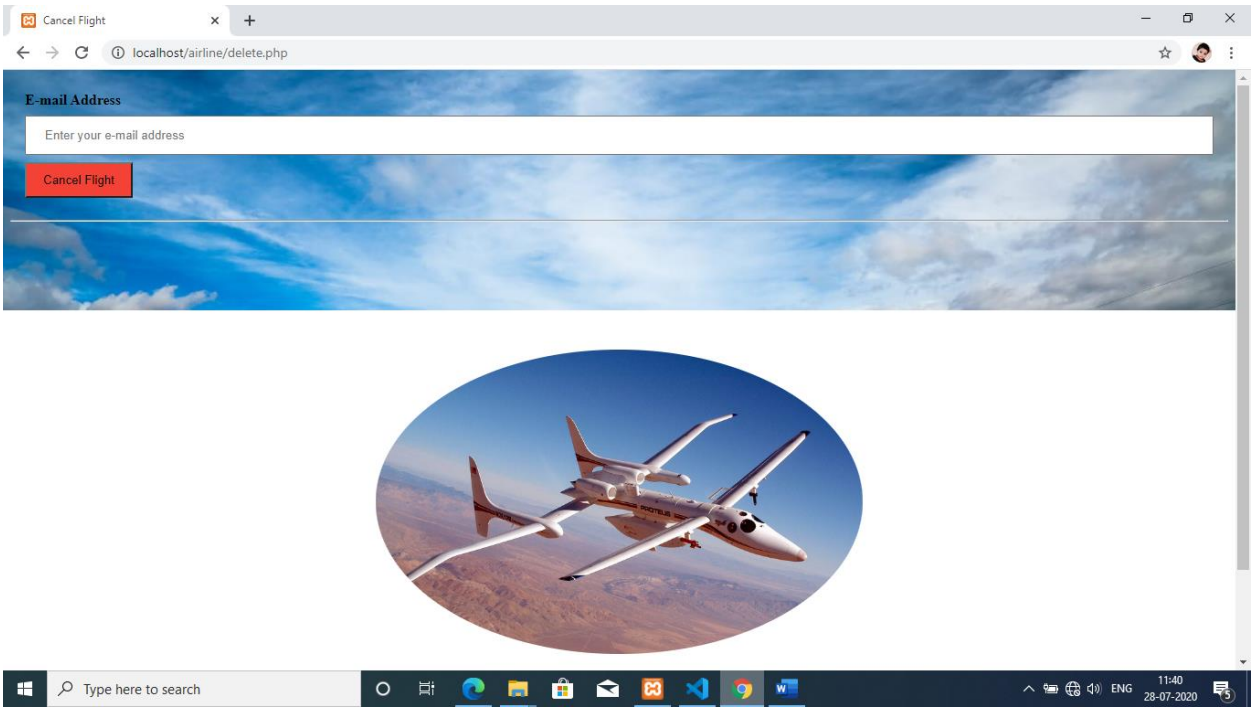


database structure





Design of cancel flight form



Coding phase

Flight book coding:-

```
<?php

session_start();

if(!isset($_SESSION['loggedin']) ||
$_SESSION['loggedin']!=true){

 header("location: login.php");

exit;

}

if ($_SERVER['REQUEST_METHOD'] == 'POST'){

$n1 = $_POST['name1'];

$id = $_POST['name2'];

$ftn = $_POST['name3'];

$add = $_POST['address'];
```

```
$p1 = $_POST['phone'];

$pin = $_POST['pin'];


$servername = "localhost";

$username = "root";

$password = "";

$database = "airline";


// create a connection

$conn = mysqli_connect($servername, $username,

$password, $database);

if(!$conn){

die("sorry! we faild to connect<br>");

}

else{
```

```
$sql= "INSERT INTO `flight-book` (`Name`, `flight-id`, `flight-
name`, `Address`, `phone-no`, `pin`) VALUES
('$n1', '$id', '$ftn', '$add', '$p1', '$pin');";

$ruslt = mysqli_query($conn, $sql);
if($ruslt){
echo '<div class="alert alert-success alert-dismissible fade
show" role="alert">
<strong>Success!</strong> your reservation is done
successfully .
<button type="button" class="close" data-dismiss="alert"
aria-label="Close">
<span aria-hidden="true">&times;</span>
</button>
</div>';
}
else{
```

```
echo '<div class="alert alert-danger alert-dismissible fade
show" role="alert">
<strong>Error!</strong>your reservation is not done  .
<button type="button" class="close" data-dismiss="alert"
aria-label="Close">
<span aria-hidden="true">&times;</span>
</button>
</div>';
}
}
}
?>

<!DOCTYPE html>
<html lang="en">
```

```
<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width,

initial-scale=1.0">

<title>reservation here  <?php

$_SESSION['username']?></title>

<style>


.contact{

width: 80%;

min-height: 400px;

margin-bottom: 50px;


}

.contact h1{

color: blue;

text-align: center;
```

```
padding: 50px;

margin-top: -15px;


}

.contact-img{

width: 40%;

float: left;

}

.contact-img img{

width: 100%;

margin: 0px auto;

margin-top: 90px;

margin-left: 180px;


}

.contact-form{
```

```
float: right;

padding-bottom: 20px;

width: 40%;

/* border: 1px solid black; */

background: radial-gradient(blue, transparent);

}

.contact-form input{

text-align: center;

font-size: 1.5rem;

font-family: cursive;

border-top: none;

padding-bottom: 10px;

width: 80%;

justify-content: center;

}

.contact-form textarea{
```

```
width: 78%;

padding: 0.5rem;

border-radius: 15px;

text-align: center;

font-family: cursive;

font-size: 1.5rem;

}

.contact-form .submit{

width: 170px;

border-radius: 10px;

margin-left: 100px;

}

/* .btn{


background-color: blue;

color: black;
```

```
margin-left: 200px;

width: 90px;

font-size: 1.8rem;

}

.btn a{

color: red;

text-decoration:  none;



}



.welcome{

font-size: 1.8rem;

width: 300px;

margin-left: 150px;
```

```
} */

/* footer sections */

footer{

background: black;

color: white;


}

@media screen and (max-width: 678px;) {

.contact-form input{


font-size: 1.3rem;

}

.contact h1{

font-size: 2rem;
```

```
margin-top: -10px;

}

.contact-img img{

width: 70%;

margin: 0px auto;

margin-top: 100px;

margin-left: 100px;



}



.contact-form input,textarea{

font-size: 1rem;



}



}
```

```
.tasty-food{
height: 300px;
width: 100%;
}

</style>
</head>
<body>

<div class="container">
<div class="alert alert-success" role="alert">
<p> <a href="logout.php" class="mb1"> Logout
Here.</a></p>
</div>
<div class="contact">
```

```
<h1 style="font-size: 2.8rem;">AIRLINE
RESERVATION</h1>
<hr style="color: rgb(0, 71, 0,0.64); width: 90%;">
<hr style="color: black; width: 80%;">
<hr style="color: red; width: 70%;">
<div class="contact1">
<div class="contact-img">
<img src="a4.png" alt="flight">
</div>
<div class="contact-form">
<form action="flight.php" method="post">

<br><br>
<input type="text" placeholder = "Enter your
Name" name="name1"><br>
<br><br>
```

```
<input type="text" placeholder = "Enter flight id"
name="name2"><br>
<br><br>
<input type="text" placeholder="Enter flight
Name" name="name3"><br>
<br><br>

<input type="text" placeholder=" Enter your
Address " name="address"><br><br>
<br><br>
<input type="text" placeholder = "Enter phone no"
name="phone"><br>
<br><br>
<input type="text" placeholder = "Enter PIN
number" name="pin"><br><br>
<input type="submit" value="sumbit "
class="submit">
</form>
```

```
</div>

</div>

<!-- <div class="welcome"><h3>Flight !!!</h3></div>

<button class="btn"><a

href="http://localhost/airline/air.php"> Back</a></button>

</div><br><br> -->

<br><br>

<img src="a18.png" class="tasty-food">

</body>

</html>
```

Sign up coding file

```
<?php

    $alrt = false;

    $err = false;

if ($_SERVER['REQUEST_METHOD'] == 'POST'){

    include 'database.php';

    $username = $_POST['username'];

    $el = $_POST['email'];

    $password = $_POST['password'];

    $cpass = $_POST['rpsw'];


    $existssql = "SELECT * FROM `airline` WHERE username =

'$username'";

    $ruslt = mysqli_query($conn, $existssql);

    $numexists = mysqli_num_rows($ruslt);
```

```
    if($numexists >0){
        $err = "username Already Exists";
    }
    else{

    if(($password == $cpass)){
        $hash = password_hash($password ,
PASSWORD_DEFAULT);
    $sql= "INSERT INTO `airline` (`username`, `Email`,
`password`, `Date`) VALUES
    ('$username', '$el', '$password', current_timestamp());";

        $ruslt = mysqli_query($conn, $sql);
        if($ruslt){
            $alrt = true;

    }
```

```
}

else{

    $err = "password do not match! ";

}

}

}

?>


<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width,

initial-scale=1.0">

    <title>sign in </title>

    <style>
```

```
* {box-sizing: border-box}

/* Full-width input fields */

  input[type=text], input[type=password] {

   width: 100%;

   padding: 15px;

   /* color:white; */

   margin: 5px 0 22px 0;

   display: inline-block;

   border: none;

   background: #f1f1f1;

  }

input[type=text]:focus, input[type=password]:focus {

   background-color: #ddd;

   color:white;
```

outline: none;

}

hr {

border: 1px solid #f1f1f1;

margin-bottom: 25px;

}

/* Set a style for all buttons */

button {

background-color: #4CAF50;

color: white;

padding: 14px 20px;

margin: 8px 0;

border: none;

cursor: pointer;

width: 100%;

opacity: 0.9;

}

button:hover {

opacity:1;

}

/* Extra styles for the cancel button */

.cancelbtn {

padding: 14px 20px;

background-color: #f44336;

}

/* Float cancel and signup buttons and add an equal width */

.cancelbtn, .signupbtn {

```
  float: left;

  width: 50%;

}

/* Add padding to container elements */

.container {

  padding: 16px;

}

/* Clear floats */

.clearfix::after {

  content: "";

  clear: both;

  display: table;

}
```

```
/* Change styles for cancel button and signup button on extra
small screens */
@media screen and (max-width: 300px) {
  .cancelbtn, .signupbtn {
   width: 100%;
  }
}
#sign::before{
   content: " ";
background: url('a8.jpg') no-repeat center center/cover;
position: absolute;
height: 90%;
width: 100%;
z-index: -1;
 /* opacity: 0.89;  */
top: 0;
left: 0;
```

}

footer{

background: black;

color: white;

padding: 9px 20px;

}

label{

color:white;

}

</style>

</head>

<body>

<?php

if($alrt){

echo '

Success! Your account is now created

done.

<button type="button" class="close" data-dismiss="alert"

aria-label="Close">

×

</button>

';

}

if($err){

echo '

error!'. $err.'

<button type="button" class="close" data-dismiss="alert"

aria-label="Close">

×

</button>

** ';**

}

?>

<section id="sign">

<form action="sign.php" method="post" style="border:1px

solid #ccc">

** **

<h1>Sign Up</h1>

** Please fill in this form to create an**

**account. **

<hr>

```
    <label for="email"><b>Username</b></label>

    <input type="text" placeholder="Enter Name"

name="username" required>

    <label for="email"><b>Email</b></label>

    <input type="text" placeholder="Enter Email"

name="email" required>


    <label for="psw"><b>Password</b></label>

    <input type="password" placeholder="Enter Password"

name="password" required>


    <label for="psw-repeat"><b>Repeat Password</b></label>

    <input type="password" placeholder="Repeat Password"

name="rpsw" required>


    <!-- <label> -->
```

<!-- <input type="checkbox" checked="checked" name="remember" style="margin-bottom:15px"> Remember me -->

<!-- </label> -->

<!-- By creating an account you agree to our Terms & Privacy. -->

<button type="submit" class="signupbtn">Sign Up</button>

<button type="button" class="cancelbtn">Cancel</button>

</form>

</section>

<footer>

copyright @ 2020 © TraveloPro All rights reserved!

</footer>

</body>

</html>

Homepage coding file

```
<?php

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width,

    initial-scale=1.0">

    <title>Airline</title>

    <style>

    .header{

    margin: auto;

    /* text-align: center; */

    width: 1350px;
```

```
height: 80px;

background: rgba(0,0,0,0.4);

  }

#home{

  display: flex;

  flex-direction: column;

  padding: 3px 200px;

  justify-content: center;

  align-items: center;

  height: 360px;


}

#home::before{

  content: " ";

background: url('a2.jpg') no-repeat center center/cover;

position: absolute;
```

```
height: 85%;

width: 100%;

z-index: -1;

/* opacity: 0.89;  */

top: 0;

left: 0;



}



.left{

    display: inline-block;

    position: absolute;

    left: 30px;

    top: 20px;
```

```
    }

    .left img{

        width: 70px;

        margin-left: 30px;


    }

    .left div{

        line-height: 20px;

        font-size: 20px;

        text-align: center;

    }

    .mid{

        display: block;

        width: 50%;

        margin: 20px auto;

    }
```

```
  .right{
    position: absolute;
    right: 250px;
    top: 25px;
    display: inline-block;
  }
  .right li{
    display: inline-block;
    font-size: 25px;
  }
  .right li a{
    color: white;
    text-decoration: none;
    padding: 34px 23px;
  }
  .right li a:hover{
```

```
    text-decoration: none;

    color: blue;

  }


  .navbar{

    display: inline-block;

  }

  .navbar ul{

    display: inline-flex;

    list-style: none;

    color: rgb(220, 220, 235);

    align-items: flex-start;

    text-align: start;

  }

  .navbar li{

    display: inline-block;
```

```
    font-size: 25px;


}

.navbar li a{

    color: white;

    text-decoration: none;

    padding: 34px 23px;

    color: white;

  text-decoration: none;

  /* text-transform: uppercase; */

  font-weight: bold;

}

.navbar li a:hover

{


    text-decoration: none;
```

```
    color: red;


  }

  .iimm{

    border-radius:50%;

  }


  .home1{

   font-size: 2.5rem;

   padding: 10px;

  }


  #home h1{

   color: red;

   text-align: center;

  }
```

```
#home p{
  color: white;
  text-align: center;
  font-size: 1.5rem;
}
.btn{
  padding: 6px 20px;
  border: 2px solid white;
  margin: 17px;
  font-size: 1.3rem;
  border-radius: 15px;
  background-color: rgb(0,0,0.4);
  color: white;
  cursor: pointer;
}
.btn:hover {
```

```
    background-color: white;
    color: black;
    font-size:1.2rem ;
}
.btn a{
    text-decoration: none;
    color: white;
}
.btn a:hover{
    color: black;
    font-weight: bold;
}
.home2{
    font-size: 2.5rem;
    padding: 12px;
}
```

```
#clientsec{
    height: 260px;

    /* border: 2px solid black; */
}
#clientsec::before{
    content: " ";
    position: absolute;
    width: 100%;
    height: 75%;
    z-index: -1;
    opacity: 0.8;
    background: url('a15.jpg') no-repeat center center/cover;
}
```

```
#services1{
  margin: 34px;
  display: flex;

}
#services1 .box{
  border:  5px solid red;
  padding: 34px;
  margin: 3px 6px;
  border-radius: 15px;
  background-color: lightblue;

}
#services1 .box img{
  height: 150px;
  margin: auto;
```

```
  display: block;

}

#services1 .box p{

  font-family: cursive;

}

.home2{ text-align: center;

font-family: 'Courier New', Courier, monospace}

.home1{ text-align: center;

font-family: cursive;}


.para{

  display: flex;


}

.inner{

  width: 1000px;
```

```
    height: 200px;

    line-height: 200px;

    font-size: 4em;

    font-family: sans-serif;

    font-weight: 800;

    white-space: nowrap;

    overflow: hidden;

    box-shadow: 4px 6px 8px rgba(0,0,0,0.5);


}

.inner:first-child{

    background: indianred;

    color: #f1f1f1;

    transform-origin: right;

    transform: perspective(100px)rotateY(-15deg);

}
```

```
.inner:last-child{
  background: lightcoral;
  color: #ff0;
  transform-origin: left;
  transform: perspective(100px)rotateY(15deg);
}
.inner span{
  position: absolute;
  animation: marquee 5s linear infinite;
}
.inner:first-child{
  animation-delay: 2.5s;
  left: -100%;
}
@keyframes marquee{
```

```
    from{
        left: 100%;
    }
    to{
        left: -100%;
    }
}

footer{
    background: black;
    color: white;
    padding: 9px 20px;
}

    </style>
```

```
</head>

<body>

<body>

  <header class="header">

    <!-- code of logo -->

    <div class="left">

      <img src="a3.jpg" alt="" class="iimm">

      <div style="color: red;">Airline.com</div>

    </div>

    <!-- code of navigation bar -->

    <div class="mid">

      <ul class="navbar">

        <li><a href="#" class="active">Home</a></li>

        <li><a href="#">About Us</a></li>

        <li><a

href="http://localhost/airline/cont.php">Contact us</a></li>
```

```
        </ul>

        </div>

        <!-- code of button -->

        <div class="right">

        <ul>

        <li><a

href="http://localhost/airline/sign.php">Sign-up</a></li>

        <li><a

href="http://localhost/airline/login.php">Log-in</a></li>


        </div>

    </header>

    <section id="home">


    <h1 class="home1">The Sky is Waiting For You</h1>
```

Modren portal for Online !!! Booking

of the

Air Tickets.....</abbr>

Planning Trip To Anywhere in the World !

<button class="btn"><a

href="http://localhost/airline/flight.php">Flight

Book</button>

</section>

<section id="clientsec">

<h1 class="home1">Wecome Flight</h1>

Welcome my Airline Reservation

```
    </div>

    <div class="inner">

        <span>Welcome my Airline Reservation</span>

        </div>

        </div>

  </section><br><br><br><br><br><br><br><br><br><br>


    <br><br>

    <section class="flight">

    <h1 class="home1 ">CHOOSE FLIGHT</h1>

    <div id="services1">


        <div class="box">

            <img src="a1.jpg" alt="">

            <h2 class="home2"> Mumbai </h2>

        </div>
```

```
      <div class="box">

          <img src="a8.jpg" alt="">

        <h2 class="home2"> New Delhi </h2>

      </div>

      <div class="box">

          <img src="a9.jpg" alt="">

        <h2 class="home2"> Bengaluru </h2>

      </div><br>

      <div class="box">

          <img src="a5.jpg" alt="">

        <h2 class="home2"> Jaipur </h2>

      </div>


    </div>


   </section>
```

```
  <section class="flight">


    <div id="services1">



      <div class="box">

        <img src="a7.jpg" alt="">

        <h2 class="home2"> Haderabad </h2>

      </div>

      <div class="box">

        <img src="a4.jpg" alt="">

        <h2 class="home2"> Chennai </h2>

      </div>

      <div class="box">

        <img src="a11.jpg" alt="">
```

```
        <h2 class="home2"> Kokata </h2>

    </div>

    <div class="box">

        <img src="a10.jpg" alt="">

        <h2 class="home2">Pune  </h2>

    </div>


  </div>


 </section>


 <footer>

    <div style="text-align: center;">

        <br>

    copyright @ 2020 &copy; TraveloPro All rights reserved!

    </div>
```

</footer>

</body>

</html>

Login file coding

```
<?php

  $alrt = false;

  $err = false;

if ($_SERVER['REQUEST_METHOD'] == 'POST'){

  include 'database.php';

  $username = $_POST['username'];

  $password = $_POST['password'];


  $sql= "Select * from airline where username='$username'

AND password='$password'";


    $ruslt = mysqli_query($conn, $sql);

    $num = mysqli_num_rows($ruslt);

   if($num == 1){
```

```
            $alrt = true;

            session_start();

            $_SESSION['loggedin'] = true;

            $_SESSION['username'] = $password;

            header("location: flight.php");

        }


        else{

        $err = "Invalid Information!";

        }

    }

?>


<!DOCTYPE html>

<html lang="en">
```

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Document</title>
  <style>
/* Bordered form */
form {
 /* border: 3px solid #f1f1f1; */
}

/* Full-width inputs */
input[type=text], input[type=password] {
 width: 100%;
 padding: 12px 20px;
 margin: 8px 0;
 display: inline-block;
```

```
  /* border: 1px solid #ccc; */

  box-sizing: border-box;

}


/* Set a style for all buttons */

button {

  background-color: #4CAF50;

  color: white;

  padding: 14px 20px;

  margin: 8px 0;

  border: none;

  cursor: pointer;

  width: 100%;

}


/* Add a hover effect for buttons */
```

```
button:hover {
  opacity: 0.8;
}

/* Extra style for the cancel button (red) */
.cancelbtn {
  width: auto;
  padding: 10px 18px;
  background-color: #f44336;
}

/* Center the avatar image inside this container */
.imgcontainer {
  text-align: center;
  margin: 24px 0 12px 0;
}
```

```
/* Avatar image */

img.avatar {

  width: 40%;

  border-radius: 50%;

}


/* Add padding to containers */

.container {

  padding: 16px;

}


/* The "Forgot password" text */

span.psw {

  float: right;

  padding-top: 16px;
```

```
}

/* Change styles for span and cancel button on extra small
screens */

@media screen and (max-width: 300px) {
  span.psw {
    display: block;
    float: none;
  }
  .cancelbtn {
    width: 100%;
  }
}

footer{
    background: black;
    color: white;
```

```
    padding: 9px 20px;


}


#log::before{

    content: " ";

background: url('a17.jpg') no-repeat center center/cover;

position: absolute;

height: 70%;

width: 100%;

z-index: -1;

/* opacity: 0.89;  */

top: 0;

left: 0;


}
```

```
    </style>

</head>

<body>



<?php

    if($alrt){

   echo '<div style="color:white;">

  <strong>Success!</strong>you are logged in.

  <button type="button" class="close" data-dismiss="alert"

aria-label="Close">

    <span aria-hidden="true">&times;</span>

  </button>

</div>';

    }

    if($err){

     echo '<div style="color:white;">
```

```
<strong>error!</strong>'. $err.'
<button type="button" class="close" data-dismiss="alert"
aria-label="Close">
<span aria-hidden="true">&times;</span>
</button>
</div>';
}
?>

<section id="log">
<form action="login.php" method="post">
<!-- <hr> -->
<div class="container">
<label for="uname"><b>Username</b></label>
<input type="text" placeholder="Enter Username"
name="username" required>
```

```
<label for="psw"><b>Password</b></label>

<input type="password" placeholder="Enter Password"
name="password" required>


<button type="submit">Login</button>

<!-- <label>

<input type="checkbox" checked="checked"
name="remember"> Remember me

</label> -->

</div>


<div class="container" style="background-color:#f1f1f1">

<button type="button" class="cancelbtn">Cancel</button>

<span class="psw">Forgot <a
href="#">password?</a></span>

</div><hr>

<br><br><br><br><br><br>
```

```
  <div class="imgcontainer">

    <img src="a13.jpg" alt="Avatar" class="avatar">

  </div>

</form>

</section>

<footer>

    <div style="text-align: center;">

        <br>

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    </div>

  </footer>

</body>

</html>
```

Logout php file

```
<?php

session_start();

session_unset();

session_destroy();

header("location: login.php");

exit;

?>
```

Contact file coding

```
<!DOCTYPE html>
```

```
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width,
initial-scale=1.0">
   <title>Contact here</title>

   <style>

/* Style inputs with type="text", select elements and
textareas */
input[type=text], select, textarea {
  width: 100%; /* Full width */
  padding: 12px; /* Some padding */
  border: 1px solid #ccc; /* Gray border */
  border-radius: 4px; /* Rounded borders */
```

```
  box-sizing: border-box; /* Make sure that padding and width stays in place */
  margin-top: 6px; /* Add a top margin */
  margin-bottom: 16px; /* Bottom margin */
  resize: vertical /* Allow the user to vertically resize the textarea (not horizontally) */
}

/* Style the submit button with a specific background color etc */
input[type=submit] {
  background-color: #4CAF50;
  color: white;
  padding: 12px 20px;
  border: none;
  border-radius: 4px;
  cursor: pointer;
```

```
}

/* When moving the mouse over the submit button, add a
darker green color */
input[type=submit]:hover {
  background-color: #45a049;
}

/* Add a background color and some padding around the form
*/
.container {
  border-radius: 5px;
  background-color: #f2f2f2;
  padding: 20px;
}

#con::before{
```

```
    content: " ";
background: url('a8.jpg') no-repeat center center/cover;
position: absolute;
height: 70%;
width: 100%;
z-index: -1;
 /* opacity: 0.89;  */
top: 0;
left: 0;


}


footer{
    background: black;
    color: white;
    padding: 9px 20px;
```

```
 }
   </style>


</head>


<?php
if ($_SERVER['REQUEST_METHOD'] == 'POST'){
   $fn = $_POST['firstname'];
   $ln = $_POST['lastname'];
   $ct = $_POST['country'];
   $sub = $_POST['subject'];


   $servername = "localhost";
   $username = "root";
   $password = "";
```

```
$database = "airline";


// create a connection
$conn = mysqli_connect($servername, $username,
$password, $database);
if(!$conn){
   die("sorry! we faild to connect<br>");
}
else{



$sql= "INSERT INTO `contact` (`First-name`, `Last-name`,
`Country`, `Subject`) VALUES
('$fn', '$ln', '$ct', '$sub')";


    $ruslt = mysqli_query($conn, $sql);
  if($ruslt){
```

```
    echo '<div class="alert alert-success alert-dismissible fade
show" role="alert">
    <strong>Success!</strong> your Information is saved
successfully .
    <button type="button" class="close" data-dismiss="alert"
aria-label="Close">
      <span aria-hidden="true">&times;</span>
    </button>
   </div>';
}
else{

  echo '<div class="alert alert-danger alert-dismissible fade
show" role="alert">
  <strong>Error!</strong>your Information is not saved  .
  <button type="button" class="close" data-dismiss="alert"
aria-label="Close">
```

```
    <span aria-hidden="true">&times;</span>
   </button>
  </div>';
}
}
}
?>

<body>

<div class="container">
  <form action="cont.php" method="post">

   <label for="fname">First Name</label>
   <input type="text" id="fname" name="firstname"
placeholder="Your name..">
```

```
    <label for="lname">Last Name</label>

    <input type="text" id="lname" name="lastname"
placeholder="Your last name..">



    <label for="lname" > Country</label>

    <input type="text" id="country" name="country"
placeholder="Your last name..">


    <label for="subject">Subject</label>

    <textarea id="subject" name="subject" placeholder="Write
something.." style="height:200px"></textarea>


    <input type="submit" value="Submit">


  </form>

</div>
```

```
<footer>
      <div style="text-align: center;">
       <br>
       copyright @ 2020 &copy; TraveloPro All rights reserved!
      </div>
  </footer>
</body>
</html>
```

Connection of php

```
<?php
$server = "localhost";
$username = "root";
```

```
$password = "";

$database = "airline";

$conn = mysqli_connect($server, $username, $password,

$database);

  if(!$conn){

    echo "success";

  }

  else{

    // die("Error". mysqli_connect_error());

  }

?>
```

Code of flight cancel

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width,
initial-scale=1.0">

<title>Cancel Flight</title>

</head>

<body>


<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width,
initial-scale=1.0">

<title>Document</title>

<style>
```

```
input[type=text], input[type=password] {
width: 100%;
padding: 12px 20px;
margin: 8px 0;
display: inline-block;
box-sizing: border-box;
}
button {
background-color: #4CAF50;
color: white;
padding: 14px 20px;
margin: 8px 0;
border: none;
cursor: pointer;
width: 100%;
}
button:hover {
opacity: 0.8;
}
```

```
.cancelbtn {
width: auto;
padding: 10px 18px;
background-color: #f44336;
}
.imgcontainer {
text-align: center;
margin: 24px 0 12px 0;
}
img.avatar {
width: 40%;
border-radius: 50%;
}
.container {
padding: 16px;
}
span.psw {
float: right;
padding-top: 16px;
```

```
}
@media screen and (max-width: 300px) {
span.psw {
display: block;
float: none;
}
.cancelbtn {
width: 100%;
}
}

footer{
background: black;
color: white;
padding: 9px 20px;

}

#log::before{
```

```
content: " ";
background: url('a6.jpg') no-repeat center center/cover;
position: absolute;
height: 40%;
width: 100%;
z-index: -1;
top: 0;
left: 0;

}
.btn{
padding: 6px 20px;
border: 2px solid white;
font-size: 1.3rem;
border-radius: 15px;
background-color: rgb(0, 0, 0.4);
cursor: pointer;
}
.btn a{
```

```
color: white;
text-decoration:  none;
}
.btn:hover{
background-color: black;
color: brown;
font-size:1.2rem ;
}
</style>
</head>
<body>
<section id="log">
<form action="delete.php" method="post">
<!-- <hr> -->
<div class="container">
<label for="uname"><b>E-mail Address</b></label>
<input type="text" placeholder="Enter your e-mail address" name="mail" required>
<input type="submit" class="cancelbtn" name="delete" value="Cancel Flight"/>
```

** <hr>**

**

**

** **

<img src="a13.jpg" alt="a1" class="avatar">

** **

</form>

</section>

<button class="btn"> Home</button>

<footer>

** **

**
**

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** **

</footer>

</body>

</html>

<?php

```
$connection = mysqli_connect("localhost", "root", "");

$db = mysqli_select_db($connection, 'airline');

if(isset($_POST['delete']))

{

$mail = $_POST['mail'];

$query = "DELETE FROM `flight-book` WHERE `flight-book`.`E-mail` = '$mail'";

$query_run = mysqli_query($connection,$query);

if($query_run)

{

echo '<script type="text/javascript"> alert("flight is cancel") </script>';

}

else{

echo '<script type="text/javascript"> alert("flight is not cancel") </script>';

}


}

?>
```

Configure php setting:- In this step of building a PHP website on IIS, you configure the WinCache PHP extension, configure PHP settings, and download and configure any other PHP extensions that your application requires.

When you complete these tasks, continue to Step 3: Configure PHP Application Security.

Configure WinCache

Before you perform this procedure, you should download in install PHP and WinCache as described in 1.2 Download and Install PHP. For more information about WinCache, see 2.1. Plan WinCache Configuration.

To configure the WinCache PHP extension

1. In Windows Explorer, open your PHP installation folder, for example `C:\PHP`.
2. Choose either the **php.ini - development** or **php.ini - production** file, and rename it **php.ini**.
3. In a text editor, open the php.ini file and added the following line at the end of the file: `extension = php_wincache.dll`.
4. Save and close the php.ini file.
5. Recycle the IIS Application Pools for PHP to pick up the configuration changes.

To view WinCache configuration and other PHP settings

1. Open a text editor.
2. In a new file, type the following text: `<?php phpinfo(); ?>`
3. Save the file as `c:\inetpub\wwwroot\phpinfo.php`.
4. Open a browser and enter the following URL:

   `http://localhost/phpinfo.php`

   A nicely formatted web page is displayed showing the current PHP settings.

   The WinCache settings appear in a section called **wincache**.

Warning: Delete the phpinfo.php file when it's no longer needed.

Configure Other PHP Settings

The following procedure explains how to configure PHP settings in the php.ini file.

For more information about PHP settings, see 2.2. Plan other PHP settings.

To configure a PHP setting

1. In Windows Explorer, open your PHP installation folder, for example `C:\PHP`.
2. In a text editor, open the php.ini file.
3. Search the file for the setting you want to change.

   If the setting is commented out (line begins with a semicolon [;]), delete the semicolon and

   set the value. If you can't find the setting, add the line to the

   end of the file.

4. Save and close the php.ini file.
5. Recycle the IIS Application Pools for PHP to pick up the configuration changes.

2.3. Configure PHP Extensions

The following procedure shows how to download and install a PHP extension. For information about PHP extensions, see 2.3 Plan PHP Extensions.

To configure a PHP extension

1. Download the PHP extension you want from the list of Windows extensions for PHP.
2. Extract the extension zip package to the PHP extensions folder (\ext), for example `C:\PHP\ext`.
3. In Windows Explorer, open your PHP installation folder, for example `C:\PHP`.
4. In a text editor, open the php.ini file.
5. Search the file for the extension you want to configure. If the extension is commented out (line begins with a semicolon [;]), delete the semicolon. If you can't find the extension, add it to
   the end of the file. A line that adds an extension is in the form: `extension = extension_name.dll`. For example: `extension = php_soap.dll`.
6. Save and close the php.ini file.
7. Recycle the IIS Application Pools for PHP to pick up the configuration changes.

REFERENCES

The following references have been used by me, during all the phases of the MSE project:

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