



AIRLINE RESERVATION SYSTEM

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1.Project Abstract:

The objective of the project is to design an Airline Reservation System application that enables the customers to search and book flights. The project consists of a SQL server that acts as the database for the project. My motivation for the project came from my enthusiasm and strong urge to learn PHP and HTML which is one of the fastest-growing technologies in today's world. The Airline Reservation System project mainly consists of two types of users. The users who access the information provided by the website and the administrator who modifies and views the information available on the website. All the data needed for the application is stored in the form of tables in the SQL server. The report contains the details of all the tasks carried out during the entire software development life cycle of the Airline Reservation Project. This document depicts all the details of the project starting from the project design to testing. The project is done using a local server –XAMPP.

The main aim of the project is to make the application of flight reservations as many users friendly as possible and any type of suggestion to improve the application from the users or other people is always welcome. The project is aimed at exposing the relevance and importance of the Airline reservation system. It is projected towards enhancing the relationships between customers and airline agencies through the use of ARS and thereby making it convenient for the customers to book the flights as when they require such that can utilize this software to make reservations.

2.Introduction

In this emerging world of computers, the almost all-manual system has switched to the automated and computerized system. Therefore, I am developing the software for the “Airway Reservation System” to model the present system and to remove the drawbacks of the present system. This project explores computer technology that can be used to solve the problem of the user. This being a big step in terms of

improvement in the airway system it is widely accepted across the country. Rather than designing manually, we have made use of the computer. The use of a computer has solved many problems, which are faced during the manual calculation. Once data are fed, it can perform accurate functions. Therefore, to reduce the complexity and efficiency a versatile and outsourcing airway reservation system to be developed. This project introduces the airway reservation system which explains how the reservation is being done in Indian airways.

3.List of Modules and module description

Module 1: Home page

This module is a front end design that consists of information like from, to, departure date and the number of passengers to book a flight.

Module 2: Sign up page

This module is to sign up for the page to enter the flight page to book the tickets.

Module 3: Login page

This module is the login page for the user to enter this username and password to enter the website to see the available flights and seats.

Module 4: Flight page

This module shows the flight details such as source, destination, fare, seats left, dept.time and flight name which is considered as a primary key as it is unique. Then the user can book the ticket accordingly. There is also an option for logout if the user does not want to book the ticket.

Module 5: User details page

This module consists of the passenger or user details such as user name and their age. Once we enter these contents we will be able to see a page in an itenary form.

Module 6: Itenary page

This module displays the ticket and there is also an option to print the ticket.

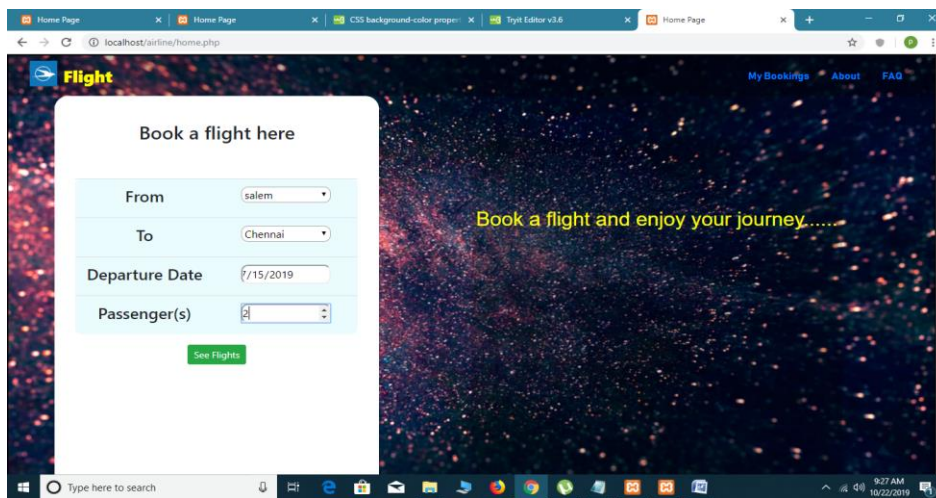
Additional modules:

Admin page for viewing and modifying the flights and for viewing the users who have booked a ticket.
There is also an option for canceling the ticket.

4. Results and discussion

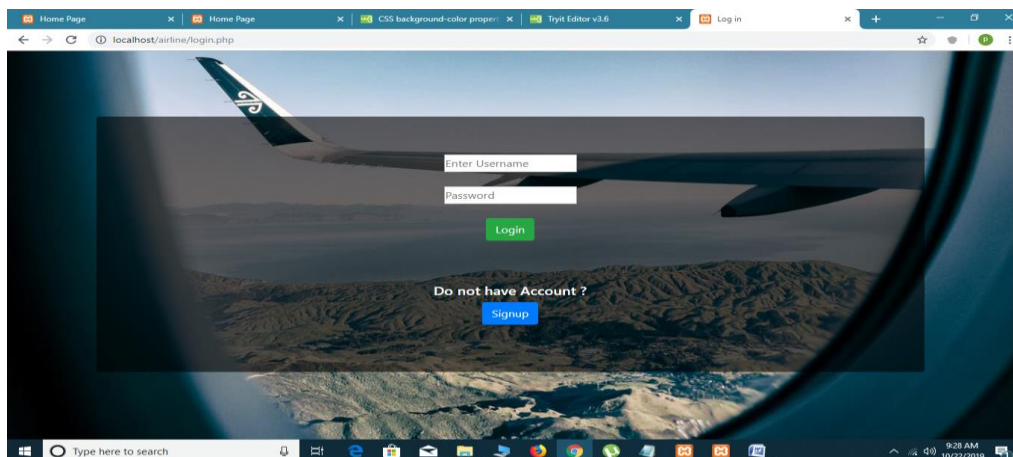
Module 1:Home page

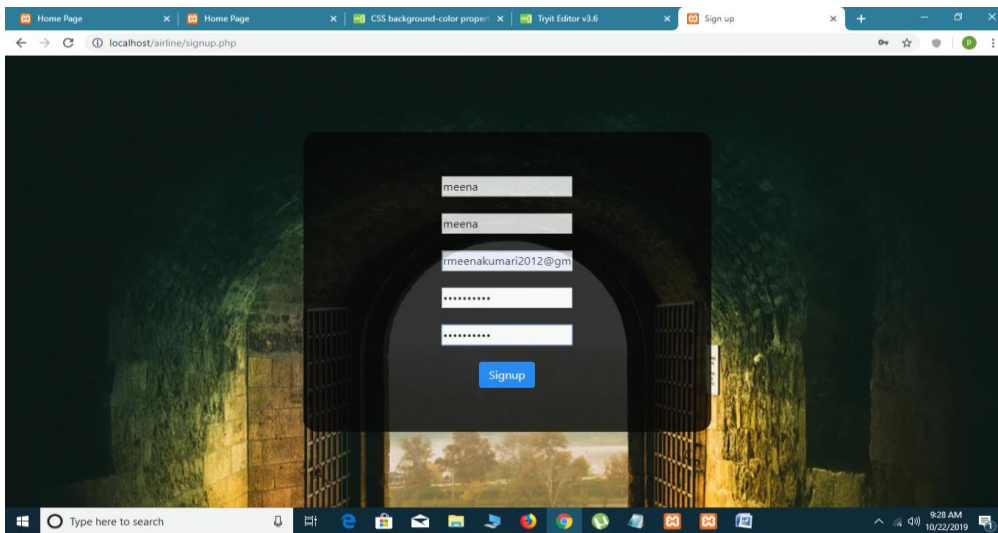
This module is a front end design that consists of information like from, to, departure date and the number of passengers to book a flight.



Module 2:Sign up page

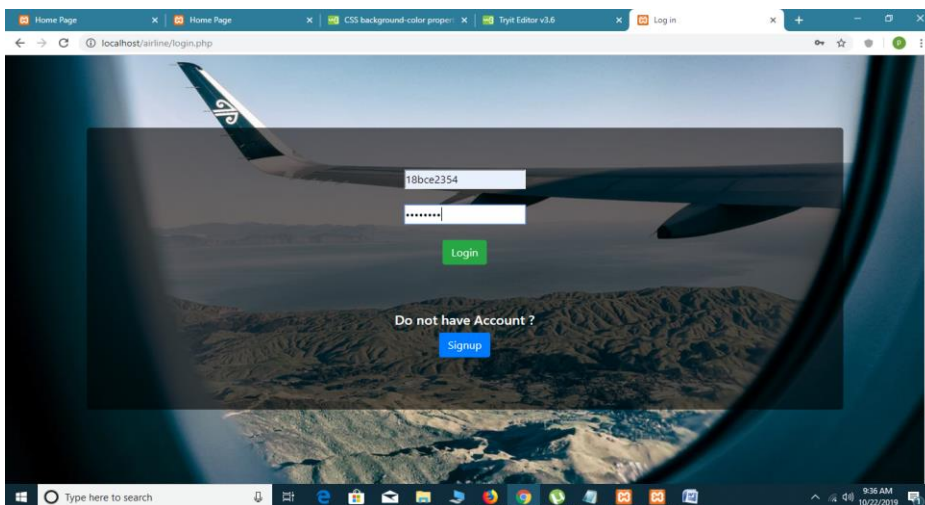
This module is to sign up for the page to enter the flight page to book the tickets.





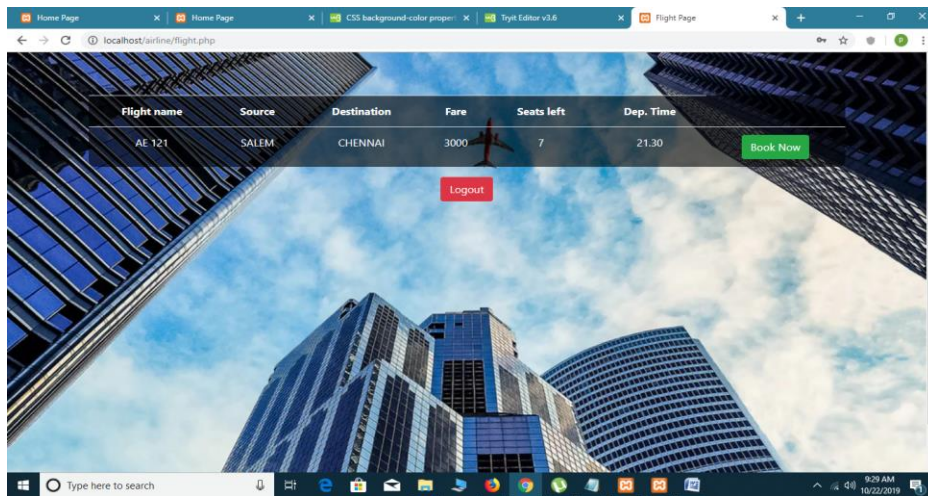
Module 3: Login page

This module is the login page for the user to enter this username and password to enter the website to see the available flights and seats.



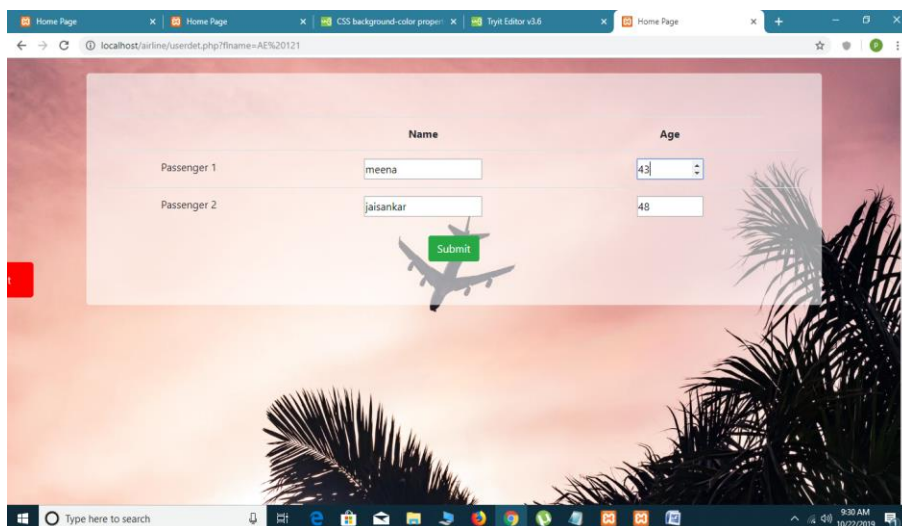
Module 4:Booking page with flight details:

This module shows the flight details such as source, destination, fare, seats left, dept.time and flight name which is considered as a primary key as it is unique. Then the user can book the ticket accordingly. There is also an option for logout if the user does not want to book the ticket.

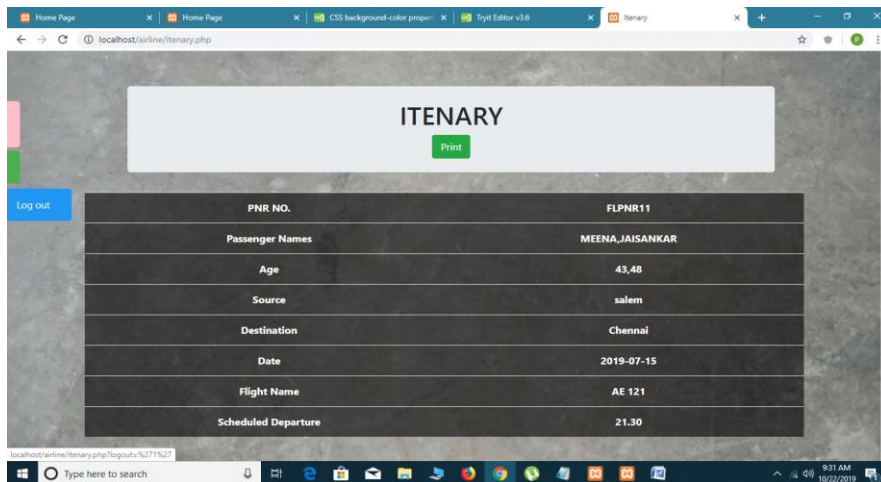


Module 5: Passenger details

This module consists of the passenger or user details such as user name and their age. Once we enter these contents we will be able to see a page in an itinerary form.



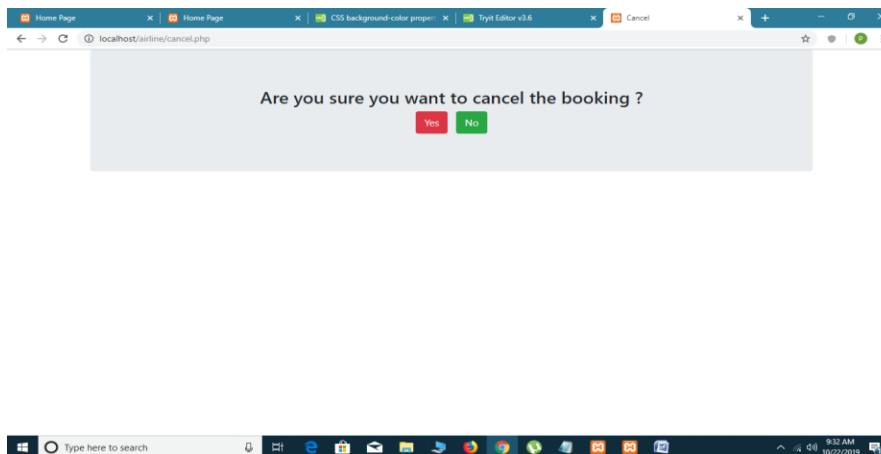
Module 6: Itinerary page to view the ticket:



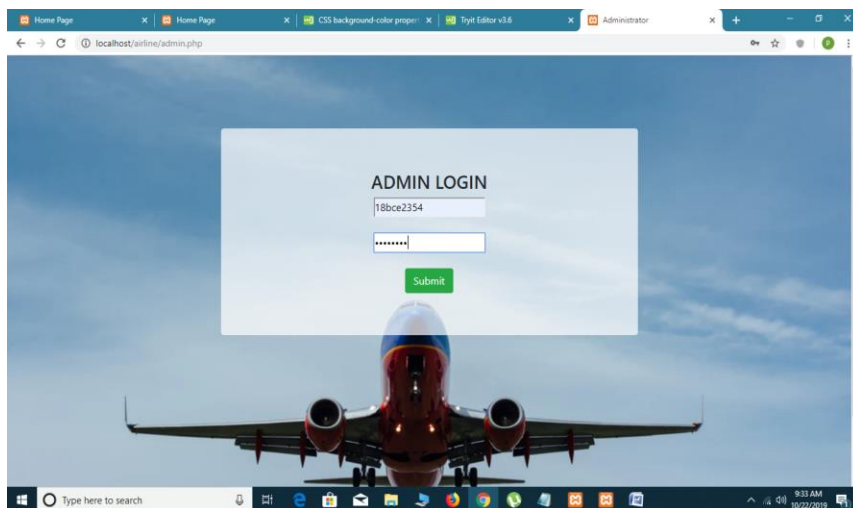
Additional modules:

Cancel the ticket:

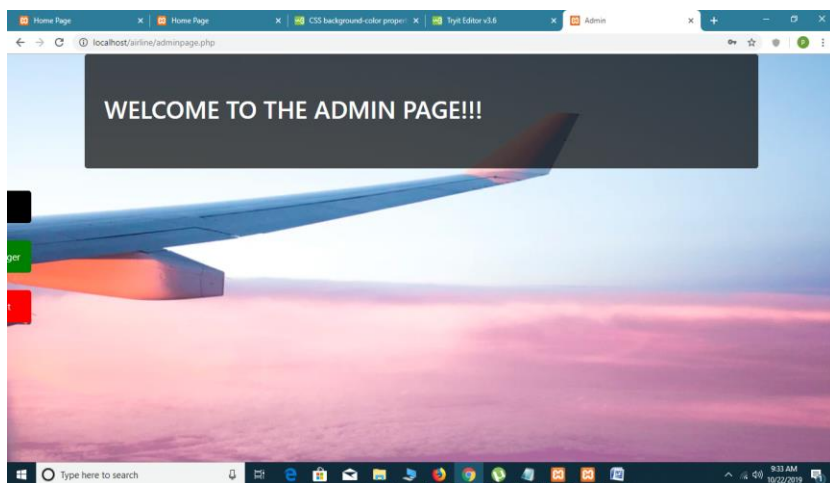
This module is to cancel the ticket.



Admin page:



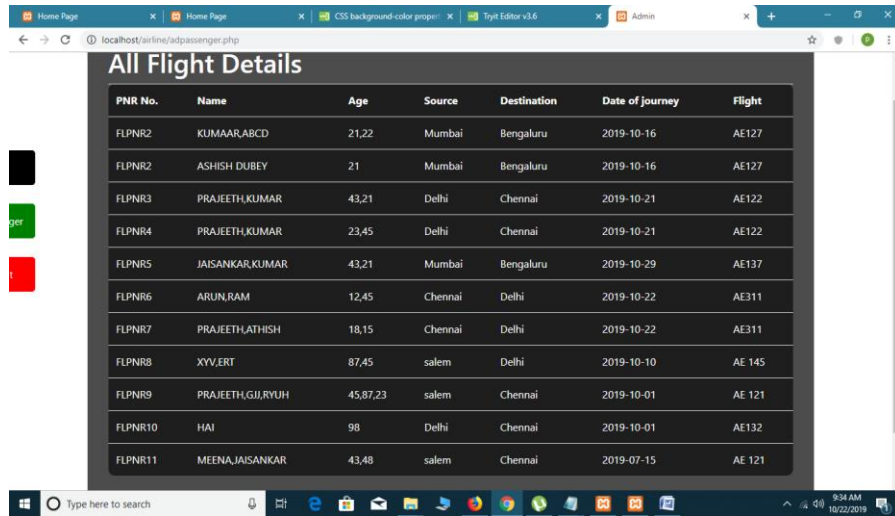
Admin viewing flight details and user details:



All Flight details:

Flight name	Source	Destination	Fare	Seats left	Dep. Time	
AE 111	SALEM	KOLKATA	2100	9	21:30	Modify
AE 121	SALEM	CHENNAI	3000	5	21:30	Modify
AE 145	SALEM	DELHI	5000	5	24:57	Modify
AE122	Delhi	Chennai	5000	6	22:00	Modify
AE123	Delhi	Kolkata	3600	10	05:30	Modify
AE124	Delhi	Bengaluru	4200	10	11:30	Modify
AE125	Mumbai	Delhi	4000	10	19:35	Modify
AE126	Mumbai	Kolkata	4200	10	18:00	Modify

All user details who have logged in and booked a ticket:



The screenshot shows a web browser window with the URL 'localhost/airline/adpassenger.php'. The page displays a table titled 'All Flight Details' with the following data:

PNR No.	Name	Age	Source	Destination	Date of journey	Flight
FLPNR2	KUMAR,ABCD	21,22	Mumbai	Bengaluru	2019-10-16	AE127
FLPNR2	ASHISH DUBEY	21	Mumbai	Bengaluru	2019-10-16	AE127
FLPNR3	PRAJEETH,KUMAR	43,21	Delhi	Chennai	2019-10-21	AE122
FLPNR4	PRAJEETH,KUMAR	23,45	Delhi	Chennai	2019-10-21	AE122
FLPNR5	JAISANKAR,KUMAR	43,21	Mumbai	Bengaluru	2019-10-29	AE137
FLPNR6	ARUN, RAM	12,45	Chennai	Delhi	2019-10-22	AE311
FLPNR7	PRAJEETH,LATHISH	18,15	Chennai	Delhi	2019-10-22	AE311
FLPNR8	XVV,ERT	87,45	salem	Delhi	2019-10-10	AE 145
FLPNR9	PRAJEETH,GJJ,RYUH	45,87,23	salem	Chennai	2019-10-01	AE 121
FLPNR10	HAI	98	Delhi	Chennai	2019-10-01	AE132
FLPNR11	MEENA,JAISANKAR	43,48	salem	Chennai	2019-07-15	AE 121

5.Conclusion

With working employees traveling 24/7 this software speed up your reservation process and makes it convenient for the customers to book flights whenever and wherever. It reduces the scope of manual error and conveniently maintains any modifications, cancellations in the reservations. It not only provides flight details but also creates a platform to book tickets, cancels or modifies ticket timings or dates and even informs about the number of people on board. Therefore I conclude that this project enable customers to check the available tickets and book their tickets. It makes the customer easy to get ticket online instead of queue up to buy the tickets.

References

The books and materials referred during the pre-development stages of the project include

- 1.RogerS.Pressman, Software engineering- A practitioner's Approach, McGraw-Hill International Edition, 5th edition, 20017.
2. James F Peters and WitoldPedryez, "Software Engineering – An Engineering Approach", John Wiley and Sons, New Delhi, 2016.