

Project Report

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How to Run?

Requirements

- Download and Install any local web server such as XAMPP.
- Download the provided source code zip file.

System Installation/Setup

1. Open your XAMPP Control Panel and start Apache and MySQL.
2. Extract the downloaded source code zip file.
3. Copy the extracted source code folder and paste it into the XAMPP's "htdocs" directory.
4. Browse the PHPMyAdmin in a browser. i.e. <http://localhost/phpmyadmin>
5. Create a new database named ofbms_db.
6. Import the provided SQL file. The file is known as ofbms_db.sql located inside the database folder.
7. Browse the Online Flight Booking Management System in a browser. i.e. <http://localhost/Zash/>.

Admin Default Access:

Username: **admin**

Password: **admin123**

Technologies

Here is the list of the technologies used for developing the Online Flight Booking Management System:

- HTML
- CSS
- JavaScript
- PHP
- MySQL
- Bootstrap Framework

Features and Functionalities

The Online Flight Booking Management System contains the following features:

Admin

- Data Summary
- Airlines Management
- Flight Management
- Add Flight Issue
- Update the Flight's Issue as Solved
- Mark Flight as Departed
- Mark Flight as Arrived

Client-Side

- Login and Registration
- Search a Round-trip Flights
- Search for a One-way Flight
- Book Multiple Flight Tickets
- Pay Desired Flight Upon Booking
- List all booked flights
- Cancel Booked Flight
- Print Flight Ticket
- Send a Feedback

Snapshots

ADMIN DASHBOARD

Zash - AdminDashboardCreate FlightFlightsAirlines

+ AirlinesadminLogout

Total Passengers

7

Amount

\$ 928000

Flights

16

Available Airlines

11

Today's Flights

#	Arrival	Departure	Destination	Source	Airlines	
40	2024-05-15 17:00:00	2024-05-15 13:00:00	Karachi	Istanbol	Etihad Airlines	
42	2024-05-15 03:00:00	2024-05-15 01:00:00	Dubai	Karachi	Fly Dubai	
43	2024-05-15 10:00:00	2024-05-15 07:00:00	Karachi	Dubai	Emirates	

CREATE FLIGHT FORM

Zash - AdminDashboardCreate FlightFlightsAirlines

+ AirlinesadminLogout

ADD FLIGHT DETAILS

DEPARTURE

mm/dd/yyyy

--:-- --

ARRIVAL

mm/dd/yyyy

--:-- --

From

To

Duration

Price

Select Airline

→ Proceed

FLIGHTS LIST

Zash - AdminDashboardCreate FlightFlightsAirlines

+ AirlinesadminLogout

FLIGHT LIST

ID	Arrival	Departure	Source	Destination	Airline	Seats	Price	Action
43	2024-05-15 10:00:00	2024-05-15 07:00:00	Dubai	Karachi	Emirates	500	\$ 40000	
42	2024-05-15 03:00:00	2024-05-15 01:00:00	Karachi	Dubai	Fly Dubai	300	\$ 35000	
41	2024-05-15 03:00:00	2024-05-14 23:00:00	Istanbul	Karachi	Turkish airways	600	\$ 60000	
40	2024-05-15 17:00:00	2024-05-15 13:00:00	Istanbul	Karachi	Etihad Airlines	390	\$ 65000	
39	2024-05-14 16:00:00	2024-05-14 13:00:00	Jeddah	Karachi	PIA	256	\$ 65000	
38	2024-05-14 03:00:00	2024-05-13 23:00:00	Karachi	Jeddah	PIA	257	\$ 60000	
37	2024-05-13 23:00:00	2024-05-13 19:00:00	Dubai	Karachi	Air Blue	200	\$ 30000	
36	2024-05-12 17:59:00	2024-05-12 14:04:00	Dubai	Karachi	Fly Dubai	300	\$ 18000	
35	2024-05-13 12:00:00	2024-05-13 08:00:00	Karachi	Istanbul	PIA	260	\$ 25000	
34	2024-06-13 01:50:00	2024-05-13 04:00:00	Dubai	Karachi	PIA	257	\$ 30000	

AIRLINES LIST

Zash - Admin

Dashboard

Create Flight

Flights

Airlines

+ Airlines

admin

Logout


AIRLINES LIST


#	Name	Seats	Action
1	Fly Dubai	300	
2	Air Blue	200	
3	Kuwait Airways	150	
4	Etihad Airlines	390	
5	Gulf Air	200	
6	AirArabia	100	
7	Oman air	100	
8	Saudi airlines	400	
9	PIA	400	
10	Emirates	500	


ADMIN LOGIN-FORM

Zash - Admin

ADMIN LOGIN


 Username/ Email

 Password



PASSENGER LOGIN-FORM

LOG IN PANEL

 Username/ Email

 Password

[Reset Password](#)

 Register

 Login

 Online Flight Booking

SEARCH FLIGHT



Online Flight Booking

ROUND TRIP

ONE WAY

From

Karachi ▾

To

Istanbul ▾

Depart

05/15/2024



Return

05/15/2024



Class

Economy ▾

Passenger



1




Search Flights

SEARCH FLIGHT RESULT

[Zash](#) [Home](#) [My Flights](#) [Tickets](#) [Feedback](#)

 [zain khan](#) [Logout](#)

FLIGHTS FROM: Istanbol to Karachi

Airline	Departure	Arrival	Status	Fare	Buy
Etihad Airlines	2024-05-15 13:00:00	2024-05-15 17:00:00	Not yet Departed	\$ 65000	



PASSENGER DETAILS FORM

[Zash](#) [Home](#) [My Flights](#) [Tickets](#) [Feedback](#)

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PASSENGER DETAILS

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	DOB <input type="text"/>	<input type="text"/>

[→ Proceed](#)






PAYMENT

[Zash](#) [Home](#) [My Flights](#) [Tickets](#) [Feedback](#)

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PAY INVOICE


Accepted Cards



Card number

Expiration CVV

MM / YY

 Pay

PAYMENT SUCCESSFUL

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Payment Successful!



Thank you for choosing us

An automated payment receipt will be sent to your registered email.

MY FLIGHTS


FLIGHT STATUS

Istanbul

Scheduled Departure:

2024-05-15

13:00



Karachi

Scheduled Arrival:

2024-05-15

17:00

Not yet Departed

E-TICKETS


E-TICKETS

Online Flight Booking

ECONOMY CLASS

AIRLINE	FROM	TO	
ETIHAD AIRLINES	ISTANBOL	KARACHI	
PASSENGER		BOARD TIME	
MOHAMMAD ZAIN KHAN		12:45	
DEPARTURE	ARRIVAL	GATE	SEAT
2024-05-15	2024-05-15	A22	21B
13:00	17:00		

Zash



FEEDBACK

[Zash](#) [Home](#) [My Flights](#) [Tickets](#) [Feedback](#) zain khan [Logout](#)

FEEDBACK

Email

What was your first impression when you entered the website?

How did you first hear about us?

Is there anything missing on this page?

Work Breakdown Structure

Project Management:

- Define project scope, objectives, and requirements.
- Establish project timeline and milestones.
- Allocate resources and assign responsibilities.
- Monitor progress and address any issues that arise.

Backend Development:

Database Design and Implementation:

- Design the database schema for storing customer information, flight details, bookings, etc.
- Implement the database using MySQL to ensure efficient data management.
- Implement CRUD operations to interact with the database for adding, retrieving, updating, and deleting data.

Server-Side Scripting (PHP):

- Develop server-side scripts to handle user authentication, session management, and data processing.
- Implement functionalities for customers to search for flights, book flights, pay for bookings, view and download e-tickets, and cancel bookings.
- Implement functionalities for admin to schedule new flights, add/delete airlines, manage flights, view statistics, and perform basic CRUD operations on flights and airlines.

Frontend Development:

User Interface Design:

- Design user-friendly interfaces using HTML, CSS (Bootstrap), and JavaScript for customers and admin.
- Create responsive layouts to ensure compatibility across different devices and screen sizes.

- Implement interactive components for flight search, booking forms, dashboard, etc.
- Security Implementation:

Password Hashing:

- Implement password hashing using secure hashing algorithms to protect user passwords.

Session and Cookies:

- Utilize session management and cookies to maintain user sessions and enhance user experience.