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

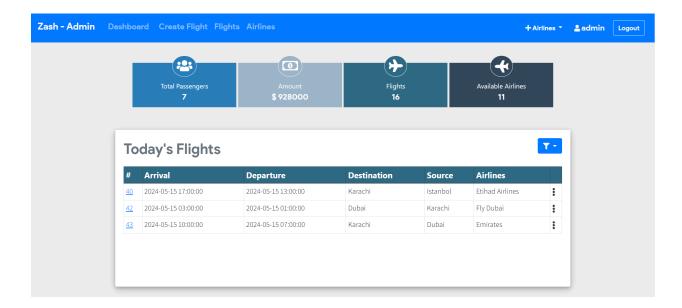
- Data Summary
- Airlines Management
- Flight Management
- Add Flight Issue
- Update the Flight's Issue as Solved
- Mark Flight as Departed
- Mark Flight as Arrived

Client-Side

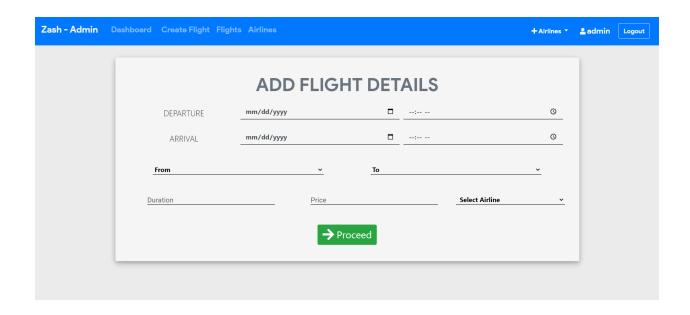
- Login and Registration
- Search a Round-trip Flights
- Search for a One-way Flight
- Book Multiple Flight Tickets
- Pay Desired Flight Upon Booking
- List all booked flights
- Cancel Booked Flight
- Print Flight Ticket
- Send a Feedback

Snapshots

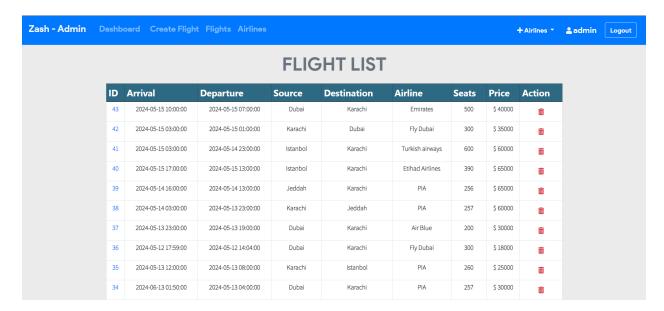
ADMIN DASHBOARD



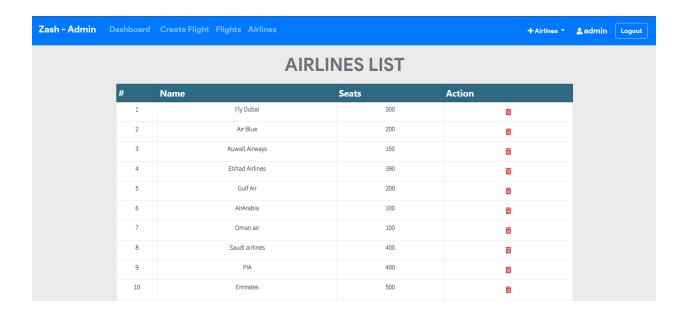
CREATE FLIGHT FORM



FLIGHTS LIST

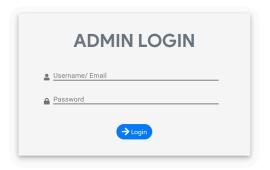


AIRLINES LIST



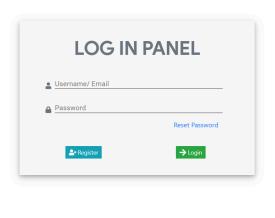
ADMIN LOGIN-FORM

Zash - Admin



PASSENGER LOGIN-FORM

Zash Home Feedback Login •

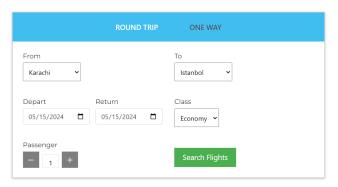


Online Flight Booking

SEARCH FLIGHT



Online Flight Booking

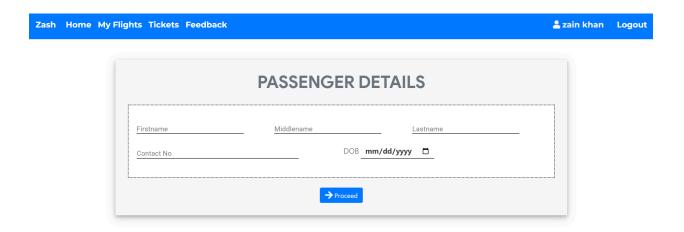


SEARCH FLIGHT RESULT



A

PASSENGER DETAILS FORM



PAYMENT



CVV

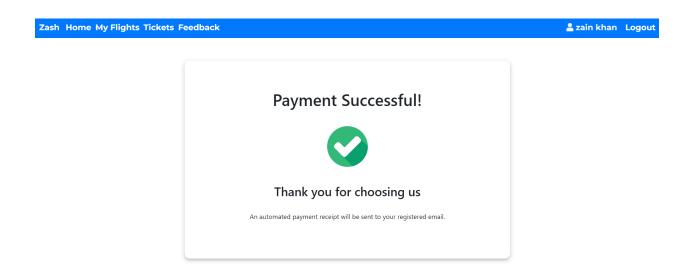
Pay

8

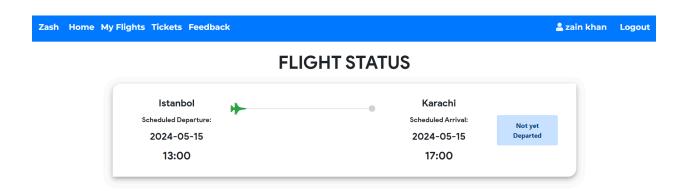
Card number

Expiration

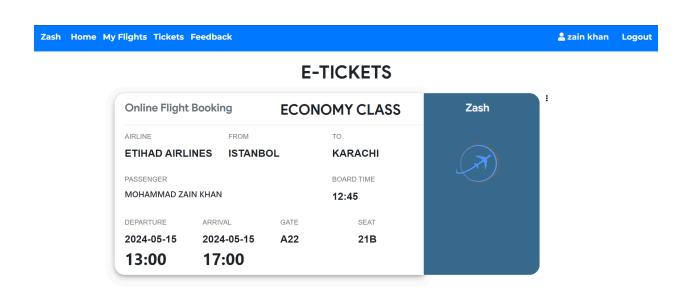
PAYMENT SUCCESSFUL



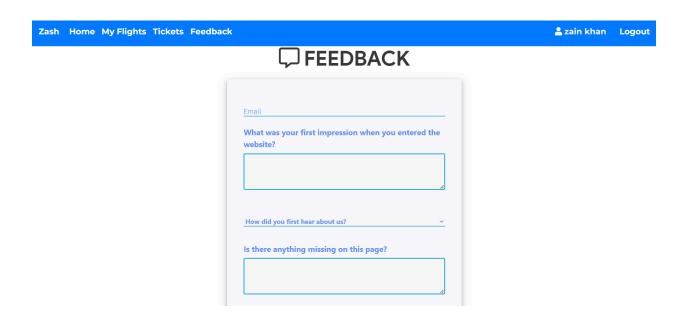
MY FLIGHTS



E-TICKETS



FEEDBACK



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.