

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



**Mini Project Report
On
“AIRLINE DATABASE MANAGEMENT SYSTEM”**

**A report submitted in partial fulfillment of the requirements for
DATABASE MANAGEMENT SYSTEM LABORATORY WITH MINI PROJECT (21CSL55)
In
Artificial Intelligence & Machine Learning**

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation ®, Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi,

Approved by AICTE, New Delhi, Recognized by Government of Karnataka.

Accredited by NACC with A+ Grade

Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka

2023 – 2024

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

This is to certify that the Database Management System Laboratory with Mini Project entitled **“AIRLINE DATABASE MANAGEMENT SYSTEM”** has been successfully completed by

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DECLARATION

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Hereby declare that the dissertation entitled, **AIRLINE DATABASE MANAGEMENT SYSTEM** is completed and written by us under the supervision of my guide **Mr. Kiran Raj K M, Assistant Professor, Department of Artificial Intelligence and Machine Learning Alvas's Institute of Engineering and Technology, Moodbidri, DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the academic year 2023-2024. The dissertation report is original and it has not been submitted for any other degree in any university.

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ACKNOWLEDGEMENT

The satisfaction and euphoria that accompany a successful completion of any task would be incomplete without the mention of the people who made it possible, success is the epitome of hardwork and perseverance, but steadfast of all is encouraging guidance.

So, with gratitude, we acknowledge all those whose guidance and encouragement served as a beacon of light and crowned the effort with success.

The selection of this mini-project work as well as the timely completion is mainly due to the interest and persuasion of our mini-project guide **Mr. Kiran Raj K M**, Assistant Professor, Department of Artificial Intelligence & Machine Learning. We will remember his contribution forever.

We sincerely thank, **Prof. Harish Kunder**, Associate Professor and Head of the Department of Artificial Intelligence & Machine Learning who has been the constant driving force behind the completion of the project.

We thank our beloved Principal, **Dr. Peter Fernandes**, for his constant help and support throughout.

We are indebted to the **Management of Alva's Institute of Engineering and Technology, Mijar, Moodbidri** for providing an environment which helped us in completing our mini project.

Also, we thank all the teaching and non-teaching staff of Department of Artificial Intelligence & Machine Learning for the help rendered.

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ABSTRACT

The Airline Booking and Management System (ABMS) project aims to revolutionize the air travel industry by providing a comprehensive solution for efficient booking processes and streamlined management operations. In today's fast-paced world, where convenience and reliability are paramount, ABMS offers an integrated platform that caters to the needs of airlines, passengers, and administrators alike.

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CHAPTER 1

INTRODUCTION

1.1 BRIEF INTRODUCTION

Airlines operate in a dynamic and complex environment, managing a vast array of information to ensure the seamless functioning of their operations. The Airline Database Management System (ADMS) plays a pivotal role in organizing, storing, and retrieving this extensive data efficiently. At its core, ADMS is designed to handle various aspects of airline operations, including passenger reservations, flight scheduling, crew management, and aircraft maintenance. By leveraging advanced database technologies, the system enhances the accuracy and speed of information processing, contributing to the overall reliability and safety of airline services. This comprehensive database management system serves as the backbone for airlines, supporting critical decision-making processes, optimizing resource utilization, and ultimately providing passengers with a smooth and reliable travel experience. As the aviation industry continues to evolve, the importance of a robust ADMS becomes increasingly evident in maintaining operational excellence and meeting the ever-growing demands of the global travel ecosystem.

1.2 MOTIVATION

The motivation behind the development and implementation of an Airline Database Management System (ADMS) stems from the intricate and demanding nature of the airline industry. Airlines face a myriad of challenges, from managing reservations and optimizing flight schedules to ensuring the safety and efficiency of their operations. In this dynamic environment, a reliable database management system becomes indispensable. The primary motivation is to streamline and centralize the vast amount of data generated daily, enabling airlines to make informed decisions, enhance operational efficiency, and ultimately deliver a seamless travel experience to passengers. ADMS not only facilitates accurate and real-time information retrieval but also plays a crucial role in adhering to safety protocols, regulatory requirements, and industry standards.

CHAPTER 2

SYSTEM ANALYSIS

2.1 INTRODUCTION

The introduction to the system analysis of an Airline Database Management System (ADMS) is a critical phase in understanding the intricacies and functionalities of the system within the context of the airline industry. In this analysis, we embark on a comprehensive exploration of the ADMS, aiming to uncover its architecture, capabilities, and impact on the seamless functioning of airline operations.

The aviation industry operates in a highly dynamic and regulated environment, demanding precision and efficiency in managing a diverse set of operations. The ADMS emerges as a key player in this landscape, serving as the central nervous system that coordinates and facilitates essential functions, ranging from passenger reservations and flight scheduling to crew assignments and aircraft maintenance.

This analysis seeks to dissect the various components and processes encapsulated within the ADMS, shedding light on its role in data storage, retrieval, and manipulation. We delve into the challenges faced by airlines in managing vast amounts of data and explore how the ADMS addresses these challenges, enhancing operational efficiency, accuracy, and ultimately contributing to the safety and reliability of air travel.

Our objective is to conduct a thorough examination of the ADMS, assessing its current performance, identifying potential areas for improvement, and ensuring alignment with industry standards and regulatory requirements [1]. By understanding the intricacies of the system, we aim to provide valuable insights into how the ADMS can continue to evolve, adapt, and meet the ever-changing demands of the aviation industry. This system analysis is not just a technical exploration but a holistic endeavor to appreciate the role of the ADMS in shaping and sustaining the modern air travel experience.

2.2 REQUIREMENT AND FEASIBILITY STUDY

The development of an Airline Database Management System (ADMS) begins with a thorough requirements analysis to delineate the essential functionalities and features necessary for efficient airline operations. Understanding user needs is paramount, encompassing aspects like reservation handling, flight scheduling, crew management, maintenance tracking, and robust reporting capabilities. Simultaneously, stringent system requirements must be established, ensuring scalability, reliability, security, integration with

existing systems, and user-friendly interfaces. Furthermore, compliance with regulatory standards, both in aviation and data protection, is imperative. The subsequent feasibility study encompasses technical considerations, operational impact, economic viability, legal compliance, and adherence to a realistic schedule. This holistic evaluation aims to address questions of technological, operational, economic, legal, and scheduling feasibility, providing stakeholders with a comprehensive understanding of the requirements and potential challenges inherent in implementing the ADMS [2]. Through this meticulous analysis, decision-makers can make informed choices about the system's development and deployment, considering its long-term effectiveness and contribution to streamlined airline operations.

2.2.1 TYPES OF FEASIBILITY

There are various measures of feasibility that helps to decide whether a particular project is feasible or not. These measures include

- Technical Feasibility
- Operational Feasibility
- Economic Feasibility

TECHNICAL FEASIBILITY

Assess the technological infrastructure required for the ADMS implementation. Evaluate the compatibility with existing systems and databases. Consider the feasibility of implementing advanced technologies like cloud-based solutions for scalability and flexibility.

OPERATINAL FEASIBILITY

Analyze how the ADMS will integrate into current airline operations. Assess the impact on daily tasks, including reservations, scheduling, and maintenance activities. Identify potential training needs for staff to use the new system effectively.

ECONOMIC FEASIBILITY

Estimate the overall cost of implementing the ADMS, including development, hardware, software, and training expenses. Compare the costs with the expected benefits, considering increased operational efficiency, reduced errors, and improved decision-making.

2.3 EXISTING SYSTEM

Passenger Service Systems (PSS)

These systems handle passenger reservations, seat assignments, and ticketing. They also manage passenger profiles and loyalty programs. Ensures a smooth check-in process, either online or at the airport, and provides boarding passes.

Flight Operations Systems

Manages flight schedules, crew assignments, and aircraft dispatch. It considers factors like crew availability, airport slots, and regulatory requirements. Utilizes weather data and other parameters to optimize flight routes for fuel efficiency and on-time arrivals.

Crew Management Systems

Assigns and manages flight crew schedules, considering factors such as duty times, rest periods, and legal regulations. Ensures that crew members are trained and certified for specific aircraft types and operational requirements.

Maintenance Systems

Schedules and tracks aircraft maintenance activities to ensure compliance with regulatory requirements and enhance aircraft safety. Manages the inventory of spare parts and equipment for maintenance purposes.

Finance and Accounting Systems

Optimizes pricing strategies and seat inventory to maximize revenue. Provides financial insights and reporting for decision-making.

Integration and Communication

Integration among various systems to ensure seamless data flow and real-time updates. Facilitates communication between different stakeholders, including airline staff, airports, and regulatory authorities.

Security and Compliance

Building connections: It allows individuals to implement measures to secure sensitive passenger information and comply with data protection regulations. Ensures adherence to aviation regulations and industry standards.

2.4 PROPOSED SYSTEM

The proposed Airline Database Management System (ADMS) represents a transformative leap in streamlining and fortifying the intricate operations of the airline industry. This

advanced system is meticulously designed to unify data management across passenger services, flight operations, crew management, and maintenance, eliminating data silos and fostering consistency. A cornerstone of the proposed system lies in its enhanced reservation capabilities, leveraging artificial intelligence for predictive analytics to optimize seat allocations and pricing strategies.

Dynamic flight scheduling, intelligent crew management algorithms, and proactive maintenance planning characterize the operational excellence aimed at minimizing delays and disruptions. Robust reporting and analytics provide stakeholders with actionable insights, while user-friendly interfaces ensure efficient utilization by airline staff and administrators [3]. The system's scalability, facilitated by modern technologies like cloud computing, ensures adaptability to the industry's evolving demands. Security measures are paramount, safeguarding sensitive information and maintaining compliance with aviation regulations and data protection laws. The proposed ADMS stands as a future-ready solution, promising to revolutionize the airline industry by fostering efficiency, compliance, and innovation.

2.5 FEATURES OF SOFTWARE

2.5.1 HTML-FRONTEND

HTML (Hypertext Markup Language) is a standard markup language used to create web pages. It consists of a series of tags and attributes that define the structure and content of a web page, such as headings, paragraphs, images, links, and more. HTML documents are rendered by web browsers and can be viewed by anyone with an internet connection. HTML is the foundation of most websites and is often used in conjunction with other technologies such as CSS (Cascading Style Sheets) for styling and JavaScript for interactive functionality.

2.5.2 CSS-FRONTEND

CSS (Cascading Style Sheets) is a styling language used to define the layout, colors, fonts, and other visual aspects of a web page. It is used to separate the presentation of a website from its structure, which is defined using HTML. By using CSS, developers can apply consistent styling across multiple pages and easily make global changes to the design of a website. CSS uses selectors to target specific HTML elements and apply styles to them. It also provides a wide range of layout and positioning options, as well as support for responsive design, allowing web pages to adapt to different screen sizes. Additionally, CSS

also includes features like animations, transitions, and the ability to use images as backgrounds.

2.5.3 JAVA SCRIPT-FUNCTIONS

Functions in programming are modular blocks of code designed for specific tasks, enhancing code organization and reusability. They accept input parameters, perform operations, and often produce output. By encapsulating functionality, functions promote readability and ease of maintenance, facilitating collaboration within development teams. They are essential in breaking down complex problems, allowing developers to focus on specific tasks without the need to understand the entire codebase. Functions are a universal concept, integral to procedural, object-oriented, and functional programming paradigms. Their use is foundational for creating organized, scalable, and efficient software systems.

2.5.4 PHP-BACKEND

PHP (Hypertext Preprocessor) is a server-side programming language that is widely used for web development. It is an open-source, general-purpose language that is particularly well-suited for creating dynamic websites and web applications. PHP code is executed on the server and generates HTML, CSS and JavaScript, which are then sent to the client's web browser to be rendered. PHP has a wide range of built-in functions and libraries for common web development tasks, such as connecting to databases, working with forms, handling sessions and cookies, and sending email. It also has a large and active community that has created many additional libraries and frameworks, such as Laravel, CodeIgniter, and Symfony, to make web development even more efficient. PHP can be integrated with other technologies such as HTML, CSS, and JavaScript to create dynamic and interactive web pages. It is also commonly used in conjunction with databases, such as MySQL or PostgreSQL, to store and retrieve data for web applications. PHP is compatible with most web servers and operating systems, making it a versatile and widely-used language for web development.

2.5.5 MySQL DATABASE

MySQL is an open-source relational database management system (RDBMS) that is widely used for managing data in web applications. It is a popular choice for web development because it is fast, reliable, and easy to use. MySQL stores data in tables, which are organized into databases. Each table has a defined structure, with rows and columns that store data. MySQL uses SQL (Structured Query Language) to interact with the data in the tables,

which allows developers to insert, update, and retrieve data in a flexible and efficient way. MySQL has a number of features that make it well-suited for web development, including support for large amounts of data, advanced indexing and searching, and robust security features. It also supports a wide range of programming languages, such as PHP, Java, and Python, making it easy to integrate with web applications. MySQL is also highly scalable, meaning it can handle large amounts of data and user requests, making it suitable for high-traffic websites. It is also open-source and available under the GNU General Public License, which means it is free to use and distribute.

2.5.6 XAMPP SERVER

XAMPP is a free, open-source software package that makes it easy to install and run web development environments on your local machine. It stands for Cross-Platform (X), Apache (A), MariaDB (M), PHP (P), and Perl (P). It is available for Windows, Mac, and Linux. XAMPP includes a number of components that are commonly used for web development, such as the Apache web server, the MySQL database server, and the PHP programming language. It also includes additional tools like phpMyAdmin, which is a web-based interface for managing MySQL databases, and Perl, which is a scripting language. By installing XAMPP on your local machine, you can create a local web server environment that mimics a live web server. This makes it easy to test and develop web applications without having to upload them to a live server. XAMPP is easy to install and use and it's great for developers who want to build and test web applications locally. With XAMPP you can easily run a web server, a database, and your PHP and Perl scripts on your local machine, making it easy to test your web applications in a real-world environment.

2.6 SOFTWARE REQUIREMENTS

Operating System	: Windows 10/11
Browser	: Microsoft-Edge/Google Chrome
Database	: XAMPP SERVER
Technology	: HTML, CSS, Bootstrap, PHP and MySQL

2.7 HARDWARE REQUIREMENTS

Hard Disk Drive	: 500GB
Processor	: 1.8GHz
RAM	: 4GB

CHAPTER 3

TESTING

3.1 DATABASE TESTING

Database Testing: Database testing verifies the integrity and performance of the database used by the website. Developers check if data is properly stored, retrieved, and updated in the database. They also ensure that database queries and transactions are optimized for efficiency. For example, they might test the process of adding a new flight to the database and verify that the relevant information is stored correctly and can be retrieved when needed. Ex: Testing Adding a New Flight.

Developers simulate adding a new flight to the database through the website's interface. They input flight details like departure time, destination, and price. They check if the information is correctly stored in the database and can be retrieved when querying for flights.

3.2 ACCESSIBILITY TESTING

Accessibility Testing: Accessibility testing assesses the website's usability for users with disabilities. Developers test for compliance with accessibility standards such as the Web Content Accessibility Guidelines (WCAG) to ensure that the website is accessible to all users, including those using assistive technologies such as screen readers or keyboard navigation [4]. They also evaluate factors such as color contrast, text size, and navigational structure to ensure an inclusive user experience. For example, they might use a screen reader to navigate the website and verify that all content is accessible and understandable. Ex: Testing Screen Reader Compatibility.

Developers use a screen reader to navigate the website. They listen to the screen reader read aloud the website's content and interact with it using only keyboard navigation. They ensure that all content is properly read and accessible, including navigation links, form fields, and descriptive text.

3.3 SECURITY TESTING

Security Testing: Security testing aims to identify and address vulnerabilities in the website that could be exploited by malicious actors. Developers test for common security threats such as SQL injection, cross-site scripting (XSS), and unauthorized access. They also ensure that sensitive data, such as user passwords and payment information, is encrypted

and protected from unauthorized access. For example, they might simulate a cyber-attack to identify potential weaknesses in the website's security defenses. Ex: Testing SQL Injection Vulnerability.

Developers attempt to inject SQL code into the website's input fields. They input malicious SQL commands into login or search fields. They check if the website properly sanitizes input and prevents the execution of unauthorized SQL commands, thus safeguarding against SQL injection attacks.

3.4 PERFORMANCE TESTING

Performance Testing: Performance testing assesses the website's speed, responsiveness, and scalability under various conditions [5]. Developers test how the website performs under normal usage as well as during peak traffic periods. They also evaluate factors such as load times, response times, and resource utilization. For example, they might simulate a high volume of concurrent users accessing the website to measure its performance under stress. Ex: Testing Response Time Under Load.

Developers simulate a high volume of users accessing the website simultaneously. They use automated tools to generate concurrent requests to the website. They measure the website's response time and ensure it remains within acceptable limits even during peak traffic periods.

3.5 COMPATIBILITY TESTING

Compatibility Testing: Compatibility testing ensures that the website works consistently across different platforms, devices, and browsers. Developers test the website on various combinations of operating systems, browsers, and devices to identify any compatibility issues. They also ensure that the website is responsive and displays correctly on different screen sizes and resolutions. For example, they might test the website on different versions of popular web browsers such as Chrome, Firefox, and Safari to ensure compatibility. Ex: Testing Browser Compatibility.

Developers test the website on different web browsers. They access the website using popular browsers such as Chrome, Firefox, and Safari. They ensure that the website displays correctly and functions properly across all tested browsers, without any layout or functionality issues.

3.6 REGRESSION TESTING

Regression Testing: Regression testing verifies that recent changes or updates to the website have not introduced any new defects or broken existing functionality. Developers rerun previously executed tests to ensure that all previously working features continue to work as expected after changes are made. For example, they might rerun tests for flight booking functionality after updating the payment processing system to ensure that bookings can still be completed successfully. Ex: Testing Flight Booking Functionality After Updates.

Developers update the payment processing system. They re-run tests for booking a flight and completing the payment process. They verify that the booking functionality still works as expected after the update, ensuring that no new issues were introduced.

CHAPTER 4

SYSTEM DESIGN

4.1 ENTITY RELATIONSHIP DIAGRAM

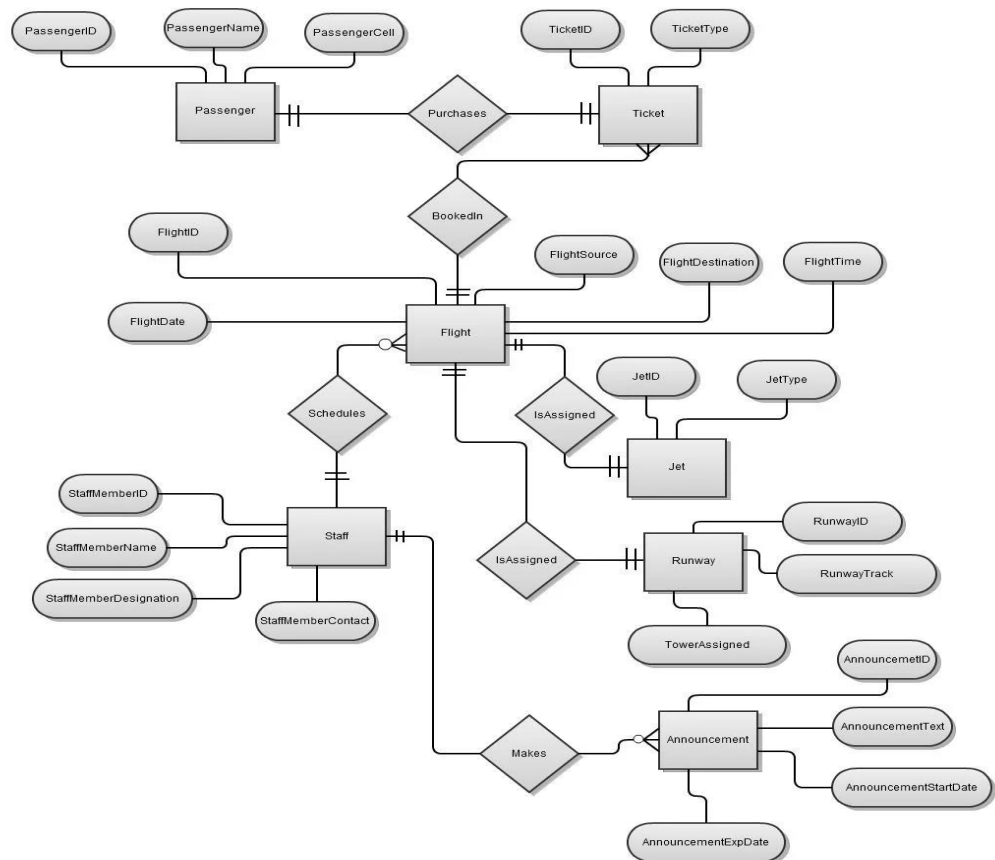


Figure 4. 1 ER DIAGRAM

4.2 DATA FLOW DIAGRAM

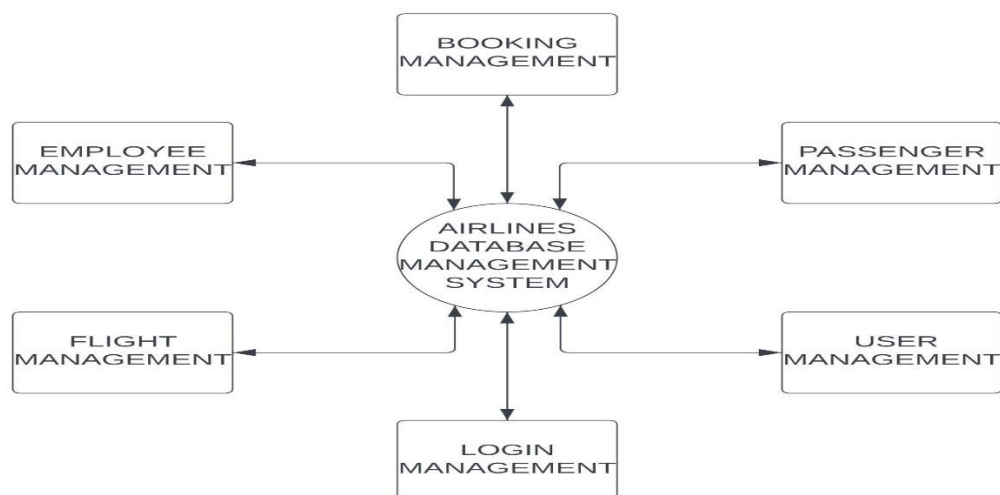


Figure 4. 2 DATA FLOW DIAGRAM

4.3 TABLE DESIGN

Table 4.1 Describes the Structure for Table User.

Table 4.1 USER

NAME	TYPE	NULL	DEFAULT
U_ID	INT (20)	NO	NONE
U_NAME	VARCHAR (100)	NO	NONE
U_EMAIL	VARCHAR (100)	NO	NONE
U_PHONE	VARCHAR (100)	NO	NONE
U_EMAIL	VARCHAR (100)	NO	NONE
U_PASSWORD	VARCHAR (100)	NO	NONE

Table 4.2 Describes the Structure for Table Manage Flight.

Table 4.2 MANAGE_FLIGHT

NAME	TYPE	NULL	DEFAULT
FLIGHT_ID	INT (20)	NO	NONE
DEPARTURE	VARCHAR (100)	NO	NONE
DESTINATION	VARCHAR (100)	NO	NONE
DEPARTURE_TIME	DATETIME	NO	NONE
ARRIVAL_TIME	DATETIME	NO	NONE

Table 4.3 Describes the Structure for Table Employee.

Table 4.3 EMPLOYEE

NAME	TYPE	NULL	DEFAULT
EMP_ID	INT (20)	NO	NONE
EMP_NAME	VARCHAR (100)	NO	NONE
EMP_PHONE	VARCHAR (100)	NO	NONE
EMP_EMAIL	VARCHAR (100)	NO	NONE
EMP_ADDRESS	VARCHAR (100)	NO	NONE
EMP_PASSWORD	VARCHAR (100)	NO	NONE

Table 4.4 Describes the Structure for Table Admin.

Table 4.4 ADMIN

NAME	TYPE	NULL	DEFAULT
ADMIN_ID	VARCHAR (100)	NO	NONE
ADMIN_PASSWORD	VARCHAR (100)	NO	NONE

Table 4.5 Describes the Structure for Table Roles.

Table 4.5 ROLES

NAME	TYPE	NULL	DEFAULT
ROLE_ID	INT (20)	NO	NONE
EMP_ID	INT (20)	NO	NONE
ROLE_NAME	VARCHAR (100)	NO	NONE

Table 4.6 Describes the Structure for Table Booking Process.

Table 4.6 BOOKING_PROCESS

NAME	TYPE	NULL	DEFAULT
F_ID	INT (100)	NO	NONE
U_ID	INT (100)	YES	NULL
PASSENGER_NAME	VARCHAR (100)	NO	NONE
PASSENGER_EMAIL	VARCHAR (100)	NO	NONE
SEAT_NUMBER	INT (100)	NO	NONE
PAYMENT_AMOUNT	INT (100)	NO	NONE
TICKET_NUMBER	VARCHAR (100)	NO	NONE

CHAPTER 5

WEBPAGE

5.1 HOME PAGE

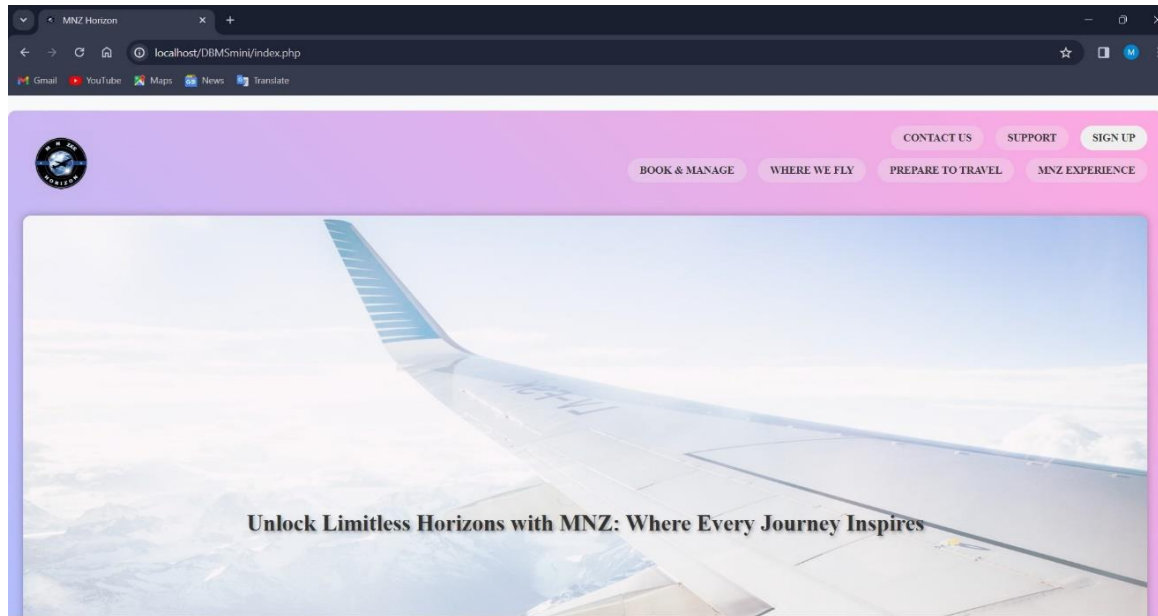


Figure 5.1 HOME PAGE

In the Above Figure 5.1, It shows the Home Page of Our Project with MNZ Horizon Logo Where except Signup Button all other Options are Disabled.

5.2 CATEGORY

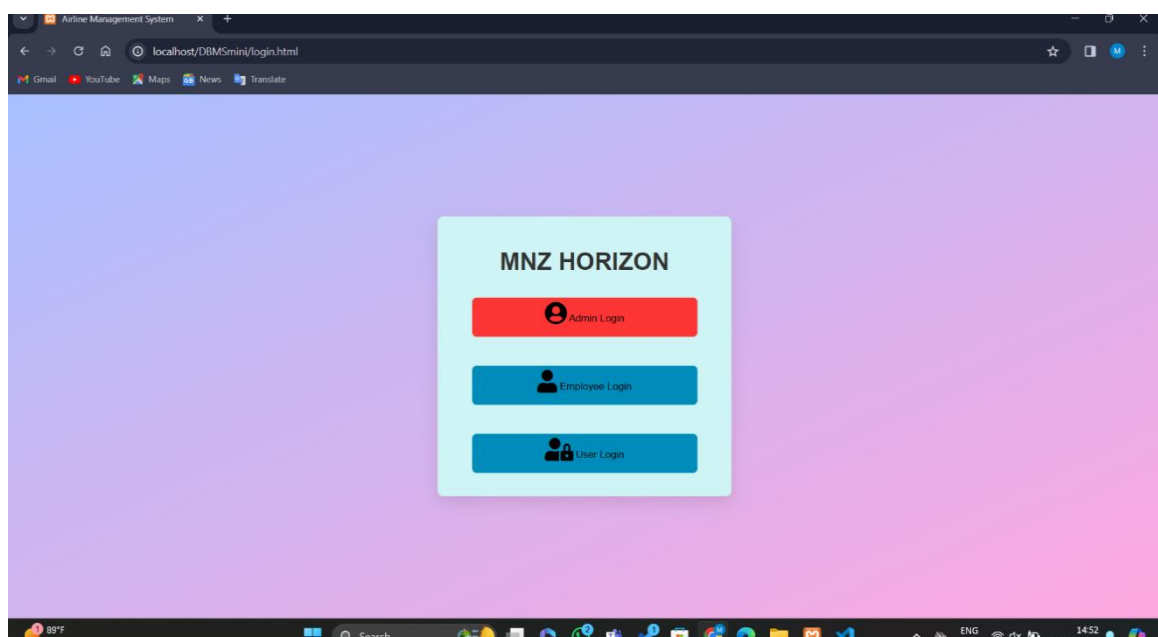
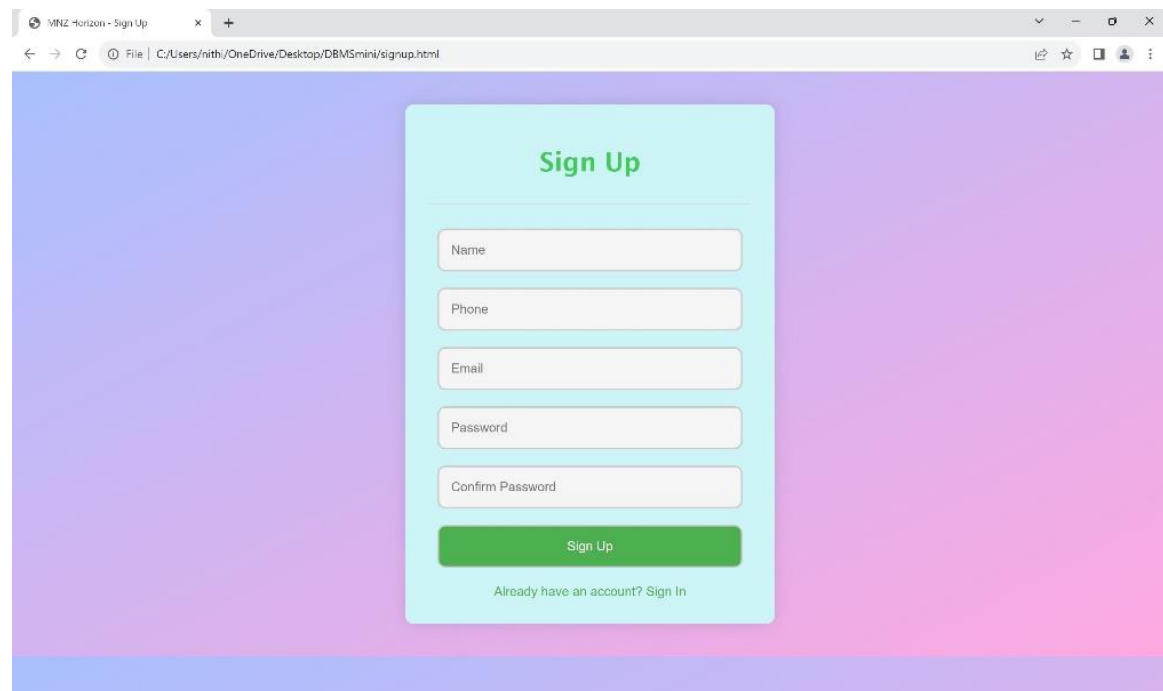


Figure 5.2 SIGNUP CATEGORY

In the Above Figure 5.2, It shows the Different Users Present inside Signup Option.

5.3 SIGNUP PAGE



MINZ Horizon - Sign Up

File | C:/Users/nithi/OneDrive/Desktop/DBMSmini/signup.html

Sign Up

Name

Phone

Email

Password

Confirm Password

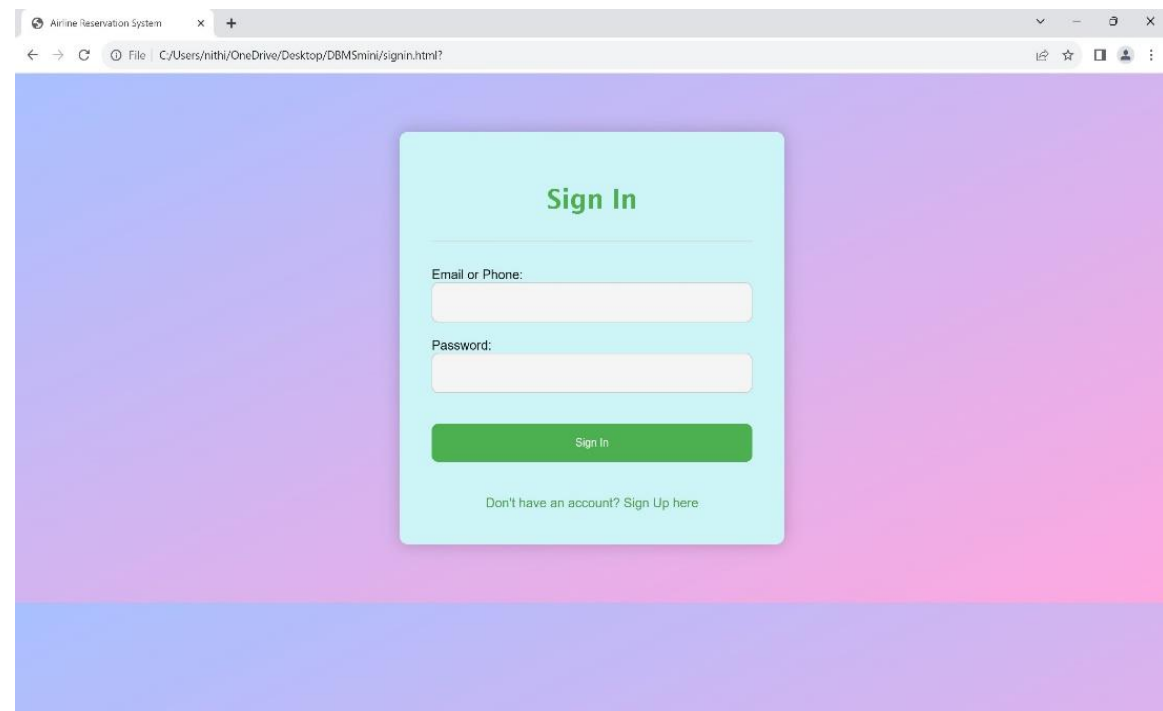
Sign Up

Already have an account? Sign In

Figure 5.3 USER SIGNUP PAGE

In the Above Figure 5.3, It shows the Sign-up Page of User Where User Has to Enter Name, Phone, Email and He can Set Password.

5.4 SIGNIN PAGE



Airline Reservation System

File | C:/Users/nithi/OneDrive/Desktop/DBMSmini/signin.html?

Sign In

Email or Phone:

Password:

Sign In

Don't have an account? Sign Up here

Figure 5.4 USER SIGNIN PAGE

In the Above Figure 5.4, It shows the Sign-in Page of Users where User can Sign in with the Help of Phone/Email & Password.

5.5 USER PROFILE

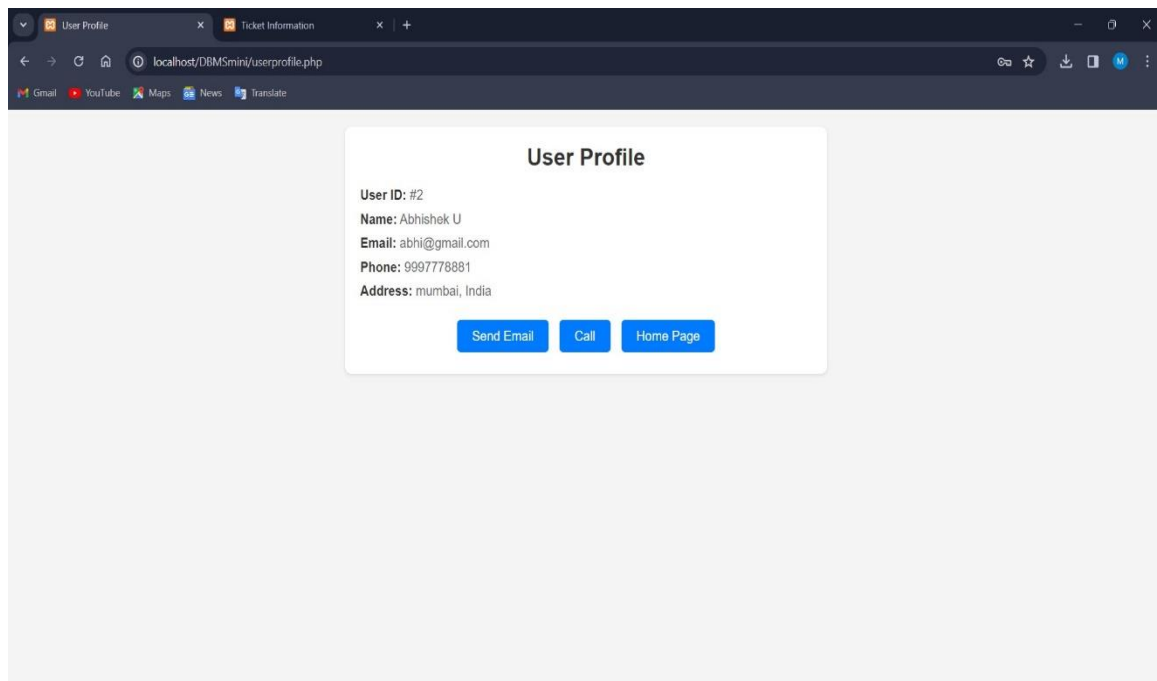


Figure 5.5 USER PROFILE

In the Above Figure 5.5, It shows the User Profile Page and it contains Recently Signed User's all Details.

5.6 USER PAGE

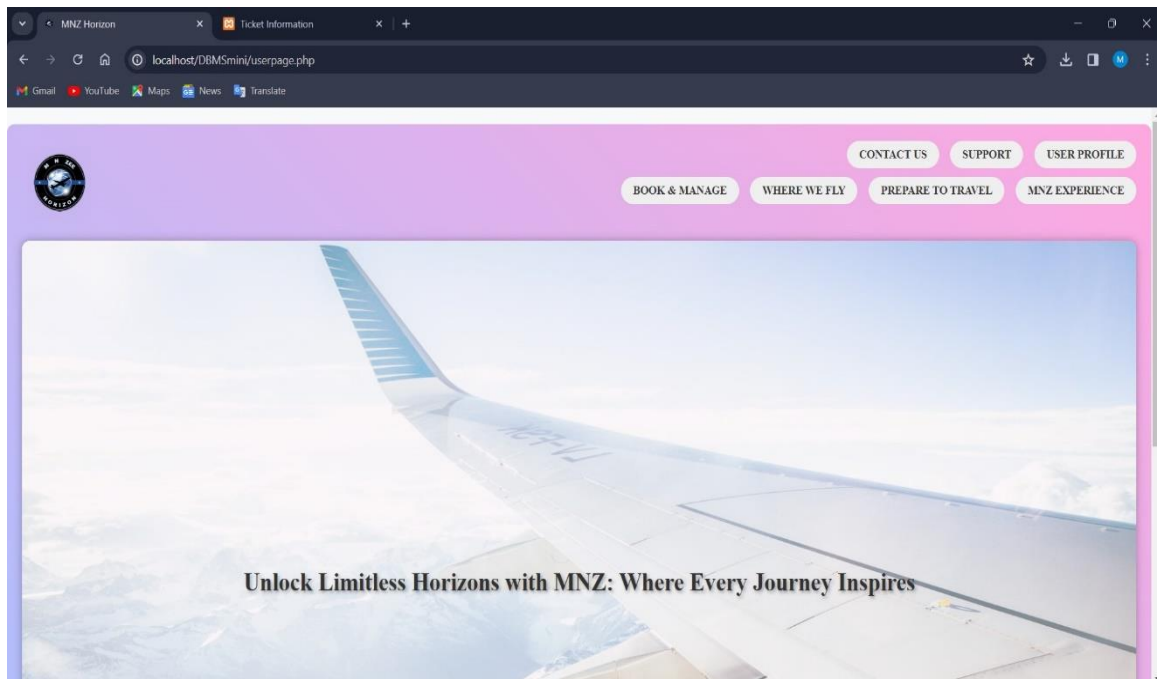
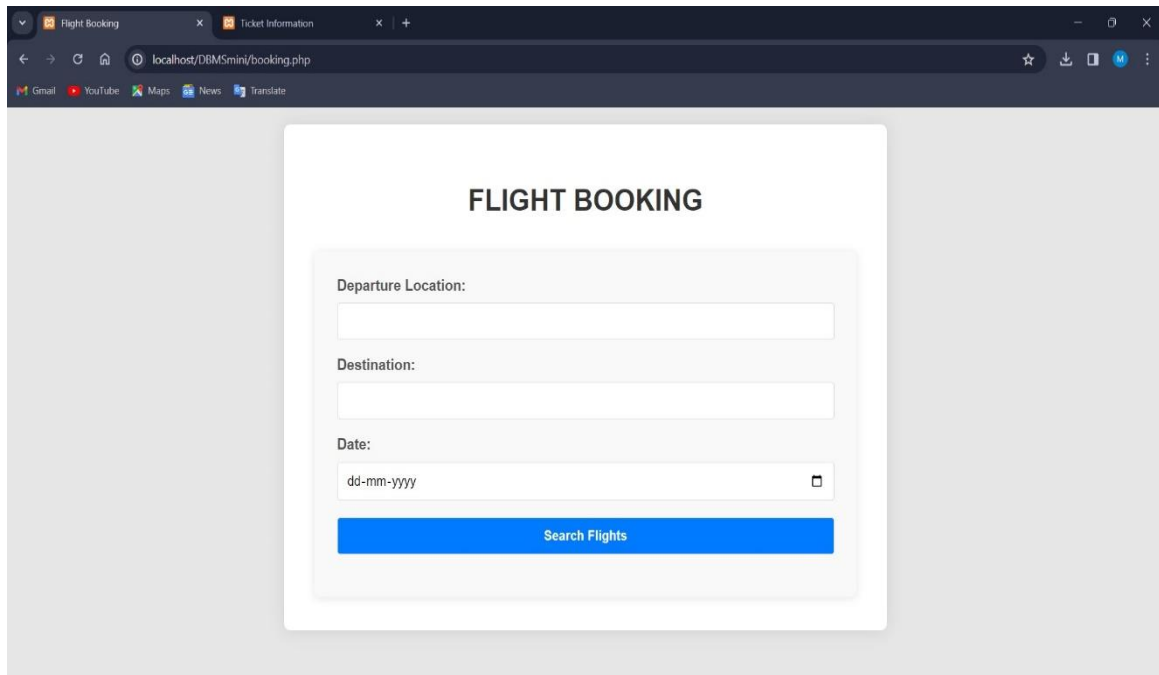


Figure 5.6 USER PAGE

In the Above Figure 5.6, It shows User Page which comes After Successful Login and All the Options are now Available for User.

5.7 FLIGHT BOOKING

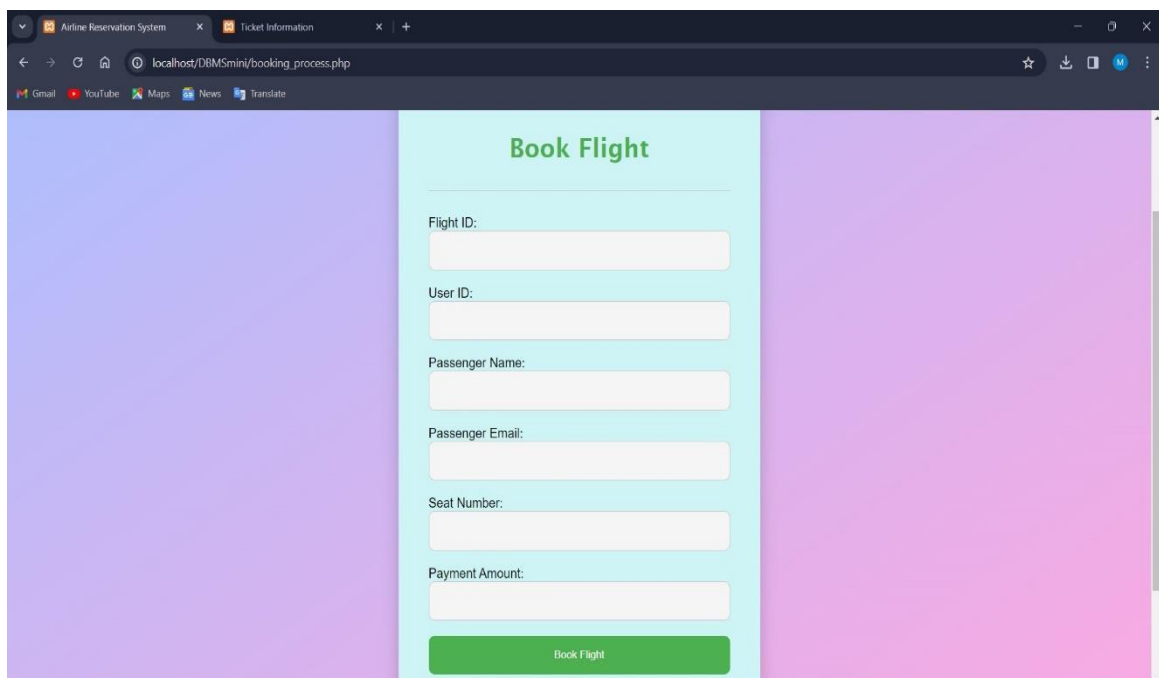


The screenshot shows a web browser window with the URL `localhost/DBMSmini/booking.php`. The page features a central white box with the title "FLIGHT BOOKING". Inside this box is a form with three input fields: "Departure Location:", "Destination:", and "Date:". The "Date:" field has a placeholder "dd-mm-yyyy" and a calendar icon. Below the fields is a blue button labeled "Search Flights".

Figure 5. 3 FLIGHT SEARCH

In the Above Figure 5.7, It shows the Flight Booking Interface Where User Can Search the Flight According to his Source & Destination.

5.8 BOOK FLIGHT



The screenshot shows a web browser window with the URL `localhost/DBMSmini/booking_process.php`. The page features a central light blue box with the title "Book Flight". Inside this box is a form with six input fields: "Flight ID:", "User ID:", "Passenger Name:", "Passenger Email:", "Seat Number:", and "Payment Amount:". Below the fields is a green button labeled "Book Flight".

Figure 5. 4 BOOK FLIGHT

In the Above Figure 5.8, It shows the Flight Ticket Booking Page.

5.9 TICKET INFORMATION

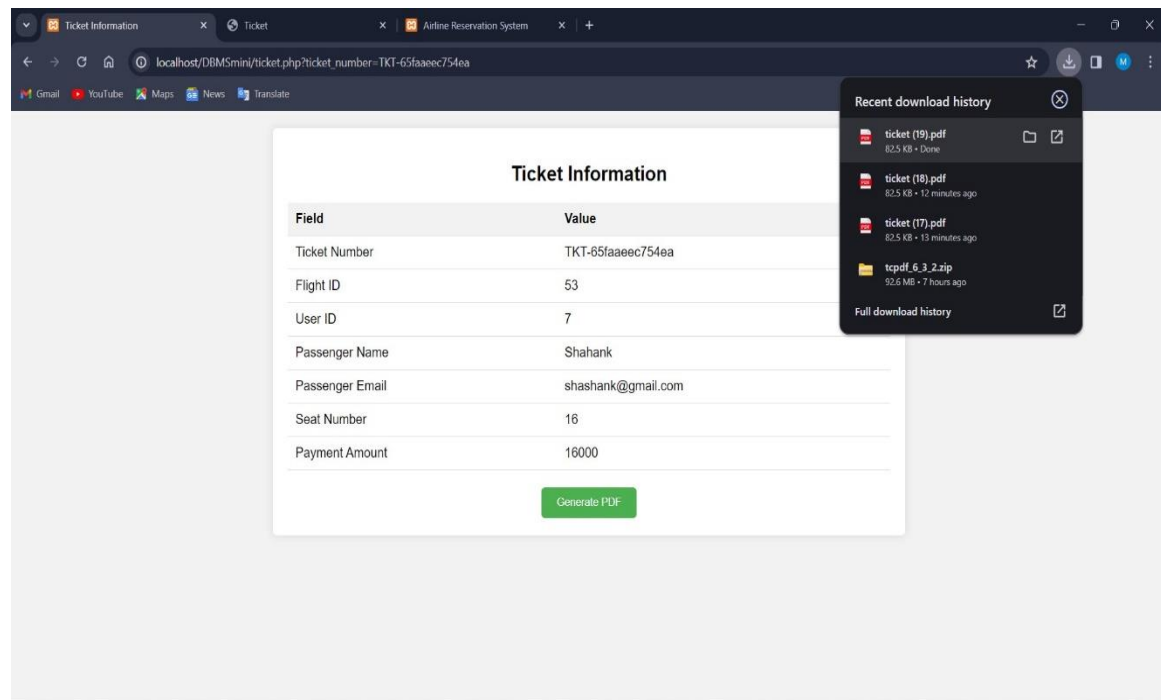


Figure 5. 5 TICKET INFORMATION

In the Above Figure 5.9, It shows the Ticket Information which contains all the essential Details of Booking and User can Convert it into a PDF.

5.10 BOARDING PASS

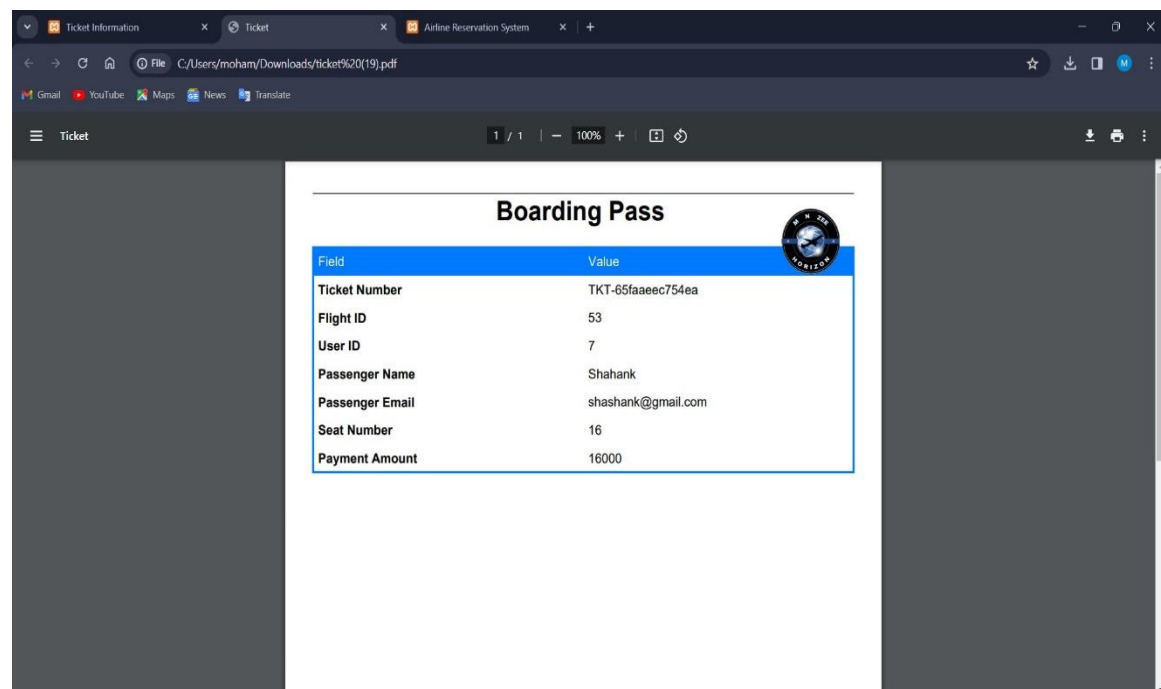


Figure 5. 6 BOARDING PASS

In the Above Figure 5.10, It shows Generated Flight Ticket which is in PDF Format.

5.11 ROUTE MAP

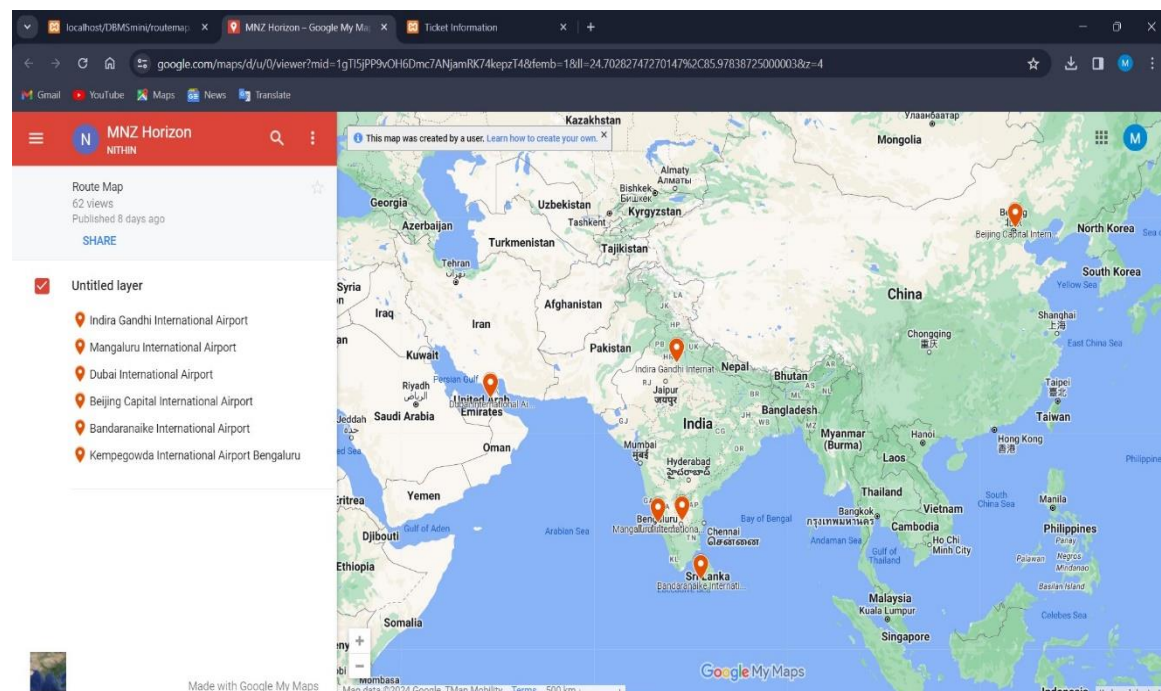


Figure 5.11 ROUTE MAP

In the Above Figure 5.11, It shows the Locations of Airports which Helps User to Identify the Route of Planes.

5.12 ADMIN DASHBOARD

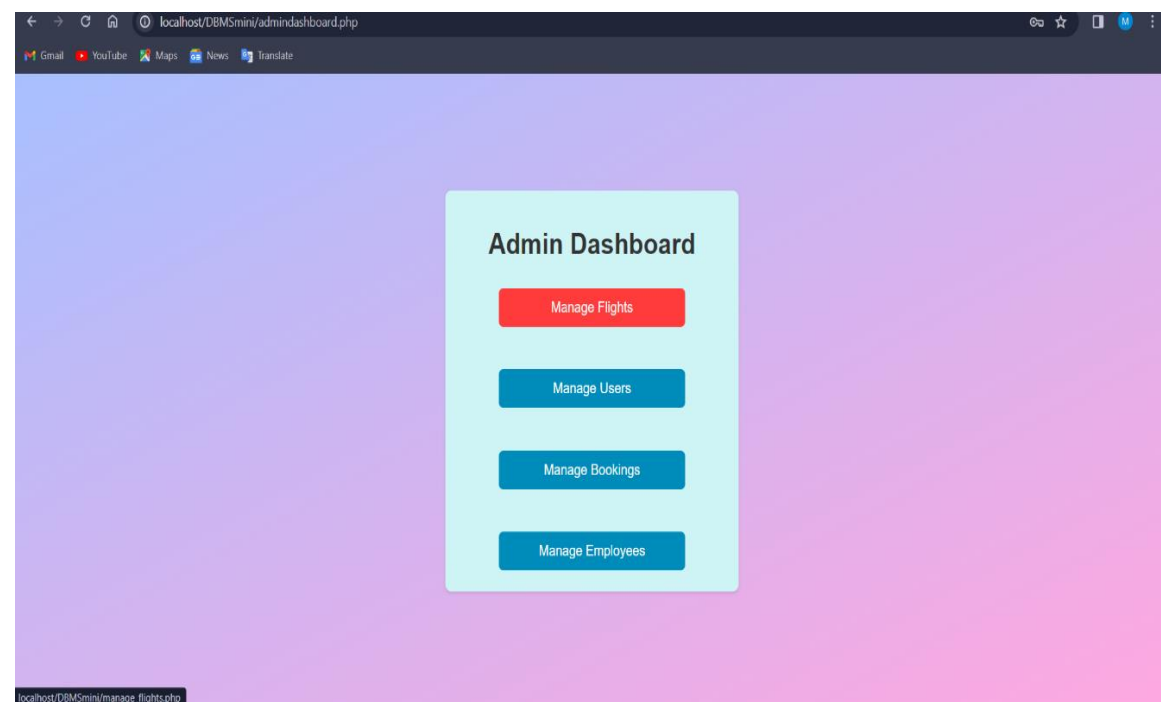


Figure 5.12 ADMIN DASHBOARD

In the Above Figure 5.12, It shows the Dashboard of Admin where Different Options are Given to the Admin.

5.13 MANAGE FLIGHTS

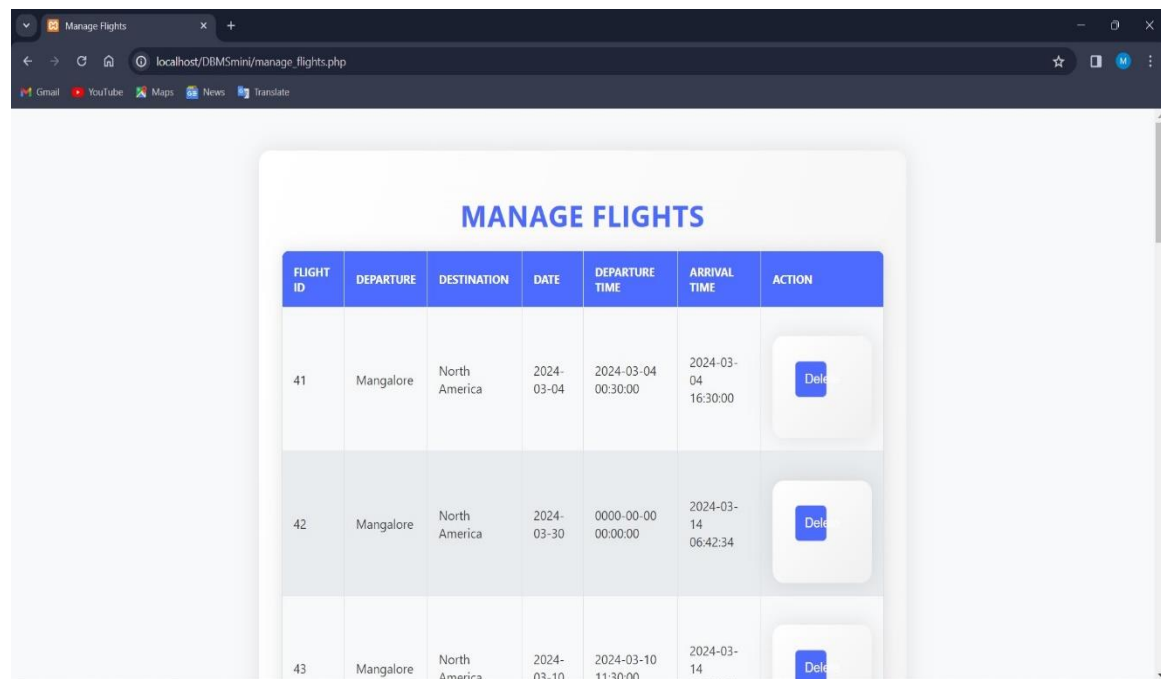


Figure 5.13 MANAGE FLIGHTS

In the Above Figure 5.13, It shows the Page Where Admin Can Add or Remove the Flights.

5.14 MANAGE USER

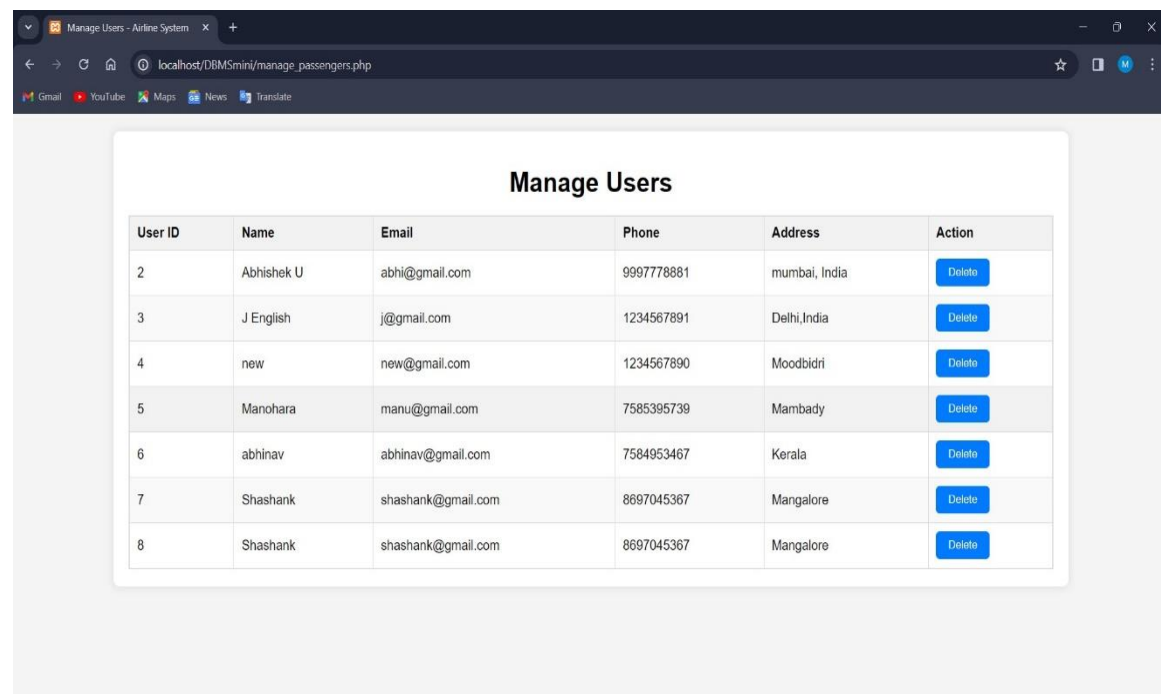
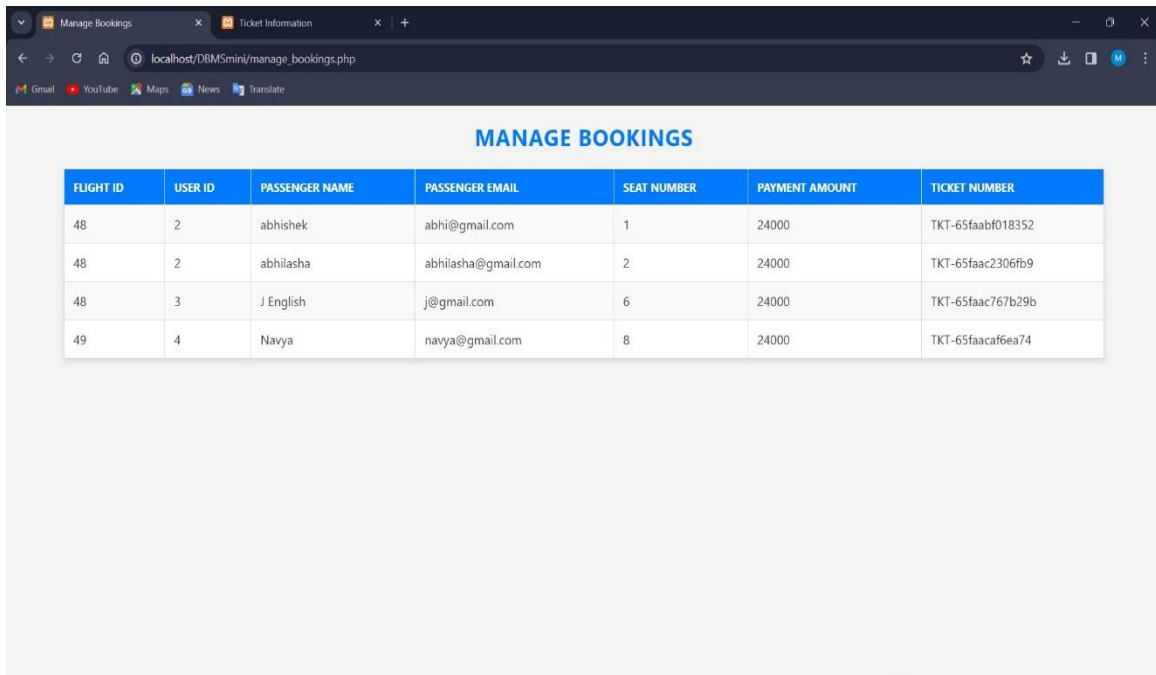


Figure 5.14 MANAGE USER

In the Above Figure 5.14, It shows the Page Where Admin Can see all the Details of Users Who are Signed in.

5.15 MANAGE BOOKINGS



FLIGHT ID	USER ID	PASSENGER NAME	PASSENGER EMAIL	SEAT NUMBER	PAYMENT AMOUNT	TICKET NUMBER
48	2	abhishek	abhi@gmail.com	1	24000	TKT-65faabf018352
48	2	abhilasha	abhilasha@gmail.com	2	24000	TKT-65faac2306fb9
48	3	J English	j@gmail.com	6	24000	TKT-65faac767b29b
49	4	Navya	navya@gmail.com	8	24000	TKT-65faacaf6ea74

Figure 5.15 MANAGE BOOKINGS

In the Above Figure 5.15, It shows the Page Where Admin Can See the Details of Booked Flight Tickets.

CHAPTER 6

CONCLUSION

In conclusion, the implementation of an Airline Database Management System (ADMS) stands as a transformative solution for the dynamic and intricate landscape of the airline industry. The comprehensive analysis and integration of passenger reservations, flight scheduling, crew management, and maintenance activities within a unified system promise to streamline operations, enhance data accuracy, and contribute to the overall efficiency and safety of air travel. The proposed system not only addresses current challenges but also positions itself as a future-ready solution with scalability, advanced analytics, and a commitment to security and compliance. By embracing the ADMS, airlines are poised to revolutionize their data management practices, fostering a resilient and responsive framework that adapts to the evolving needs of the aviation sector. Ultimately, the ADMS emerges not only as a technological solution but as a strategic enabler for airlines to navigate the complexities of the modern air travel landscape with precision and efficiency.

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