



**MVPS's  
RAJARSHI SHAHU MAHARAJ POLYTECHNIC,  
NASIK**

**SUBJECT**

**Client Side Scripting Language (22519)**

**MICRO-PROJECT ON**

**“Develop A Website On Airplane Reservation.”**

**Submitted By**

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ACADEMIC YEAR 2023-24**

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## **Abstract**

The "Development of an Airplane Reservation Website" project is focused on creating a user-friendly online platform for booking and managing airplane reservations. This website aims to streamline the travel planning process, offering a comprehensive solution for travelers seeking convenience and efficiency. Users will have the ability to register and log in securely, with a personalized profile to manage their information. Key features include a user-friendly flight search and booking interface, enabling travelers to search for flights based on various criteria, reserve tickets, and select preferred seats. Secure payment integration will facilitate hassle-free transactions. Users can also access their booking details, including the flexibility to make changes, cancellations, and rebook flights.

Real-time flight status updates and alerts will keep passengers informed about any changes or delays. Additionally, the website will provide detailed information on fares, flight schedules, and airline policies. A responsive design will ensure accessibility across various devices, and stringent security measures will safeguard user data. An integrated support system will address user inquiries, creating an overall seamless and secure booking experience.

The project seeks to meet the increasing demand for online reservation services, aiming to improve the airline reservation process and enhance the travel experience for users. This website represents a vital step in meeting the evolving needs of modern travelers and ensuring the reliability and user-friendliness of the airline reservation process.

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# **Chapter-1**

## **INTRODUCTION**

In today's fast-paced world, air travel has become an essential mode of transportation for millions of people. Whether for business or leisure, the convenience and efficiency of air travel have made it a preferred choice. With the increasing demand for airline services, the need for a well-designed, user-friendly, and efficient airplane reservation website is paramount. This introduction provides an overview of the key components and considerations involved in developing a website for airplane reservations.

### **The Significance of Airplane Reservation Websites**

Airplane reservation websites play a crucial role in the modern travel industry. They serve as the primary platform through which travelers can book flights, manage their itineraries, and access vital information about their journey. The importance of these websites is further highlighted by the following factors:

**Accessibility:** Websites provide travelers with easy access to a wide range of flight options, allowing them to compare prices, schedules, and services, ultimately making informed decisions.

**Convenience:** Online reservation platforms save time and effort, enabling users to book flights, choose seats, and make payments from the comfort of their homes or on the go.

**Efficiency:** The automation of reservation processes streamlines operations for airlines and reduces the risk of human errors, ensuring a smoother travel experience for passengers.

**Information Dissemination:** Airlines use their websites to disseminate important information, such as flight delays, cancellations, baggage policies, and travel advisories, keeping travelers informed at all times.

## Key Considerations in Website Development

Developing a successful airplane reservation website requires careful planning, a deep understanding of user needs, and the integration of several crucial components. Some of the key considerations for this project include:

**User Interface (UI) and User Experience (UX):** An intuitive and visually appealing interface is essential to attract and retain users. A seamless user experience should guide visitors through the booking process with ease.

**Database Management:** The website needs a robust database to store and manage flight data, user profiles, payment information, and booking history. Data security and privacy must also be a priority.

**Payment Integration:** Secure and user-friendly payment processing is vital for handling transactions. Integration with various payment gateways is required to accommodate different payment methods.

**Flight Search and Booking Engine:** Implementing an efficient search and booking engine is crucial. Users should be able to search for flights based on various criteria, including destination, dates, and seat availability.

**Real-time Updates:** The website should provide real-time updates on flight statuses, delays, and cancellations. This requires integration with airline systems and constant data synchronization.

**Mobile Responsiveness:** With the increasing use of mobile devices, ensuring that the website is responsive and accessible on various screen sizes is essential.

## **Chapter-2**

### **OBJECTIVE**

In the digital age, convenience and efficiency are key, especially when it comes to planning and booking your flights. Our objective is to create a dynamic and user-friendly airplane reservation website that simplifies the booking process and enhances the overall travel experience. Here's a brief overview of our project objectives for this website:

**Streamlined Reservation Process:** Our website will offer a seamless and intuitive booking process. Users will be able to search for flights, select preferred options, and make reservations effortlessly. Clear and concise design will guide users through each step.

**User-Friendly Interface:** The website will have an intuitive and visually appealing design. Navigation will be straightforward, making it accessible for users of all technical backgrounds.

**Customization and Personalization:** Users will have the option to create accounts and customize their profiles. This personalization will allow for faster and more convenient future bookings.

**Mobile Responsiveness:** The website will be fully responsive, functioning seamlessly on desktops, tablets, and mobile devices, enabling users to access it from anywhere.

**Booking Management:** Users will have access to their booking history and the ability to modify or cancel reservations as needed.

**Customer Support:** A dedicated customer support section will provide assistance to users in case of any issues or inquiries.

## **Chapter-3**

### **Application**

In the digital age, the travel industry has undergone a profound transformation, with the majority of travelers relying on online platforms to book flights and manage their travel itineraries. One crucial aspect of this industry is the development of a user-friendly and efficient website for airplane reservation. This two-page document explores the various applications and advantages of creating such a website.

#### **1. Enhanced Customer Experience:**

A well-designed website for airplane reservation can significantly enhance the overall customer experience. Users can easily search for flights, select their preferred travel dates, and compare prices.

#### **2. Streamlined Booking Process:**

The website can streamline the booking process, reducing the time and effort required to make a reservation.

#### **3. Cost Savings for Airlines:**

Developing a website for airplane reservation can lead to significant cost savings for airlines.

#### **4. Data Analytics and Customer Insights:**

A reservation website offers airlines valuable data analytics opportunities. By collecting and analyzing user data, airlines can gain insights into customer preferences, booking trends, and peak travel periods.

#### **5. Integration of Additional Services:**

Airlines can use their reservation websites to integrate various additional services.

# Chapter-4

## Code

index.html:

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <meta charset="utf-8">
5          <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">
6          <title>Flight - Travel and Tour</title>
7
8          <meta name="description" content="">
9          <meta name="viewport" content="width=device-width, initial-scale=1">
10         <link rel="apple-touch-icon" href="apple-touch-icon.png">
11
12         <link rel="stylesheet" href="css/bootstrap.min.css">
13         <link rel="stylesheet" href="css/bootstrap-theme.min.css">
14         <link rel="stylesheet" href="css/fontAwesome.css">
15         <link rel="stylesheet" href="css/hero-slider.css">
16         <link rel="stylesheet" href="css/owl-carousel.css">
17         <link rel="stylesheet" href="css/datepicker.css">
18         <link rel="stylesheet" href="css/tooplate-style.css">
19
20         <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700,800" rel="stylesheet">
21
22         <script src="js/vendor/modernizr-2.8.3-respond-1.4.2.min.js"></script>
23     </head>
24
25 <body>
26
27
```

## main.js:

```
1  jQuery(document).ready(function($) {
2
3      'use strict';
4
5      $('#form-submit .date').datepicker({
6      });
7
8      var owl = $("#owl-suiteroom");
9
10     owl.owlCarousel({
11
12         pagination : true,
13         paginationNumbers: false,
14         autoPlay: 6000, //Set AutoPlay to 3 seconds
15         items : 1, //10 items above 1000px browser width
16         itemsDesktop : [1000,1], //5 items between 1000px and 901px
17         itemsDesktopSmall : [900,1], // between 900px and 601px
18         itemsTablet: [600,1], //2 items between 600 and 0
19         itemsMobile : false // itemsMobile disabled - inherit from itemsTablet option
20
21     });
22
23
24     var owl = $("#owl-mostvisited");
25
26     owl.owlCarousel({
27
28         pagination : true,
29         paginationNumbers: false,
30         autoPlay: 6000, //Set AutoPlay to 3 seconds
31         items : 4, //10 items above 1000px browser width
32         itemsDesktop : [1000,4], //5 items between 1000px and 901px
33         itemsDesktopSmall : [900,2], // between 900px and 601px
34         itemsTablet: [600,1], //2 items between 600 and 0
35         itemsMobile : false // itemsMobile disabled - inherit from itemsTablet option
36
37     });

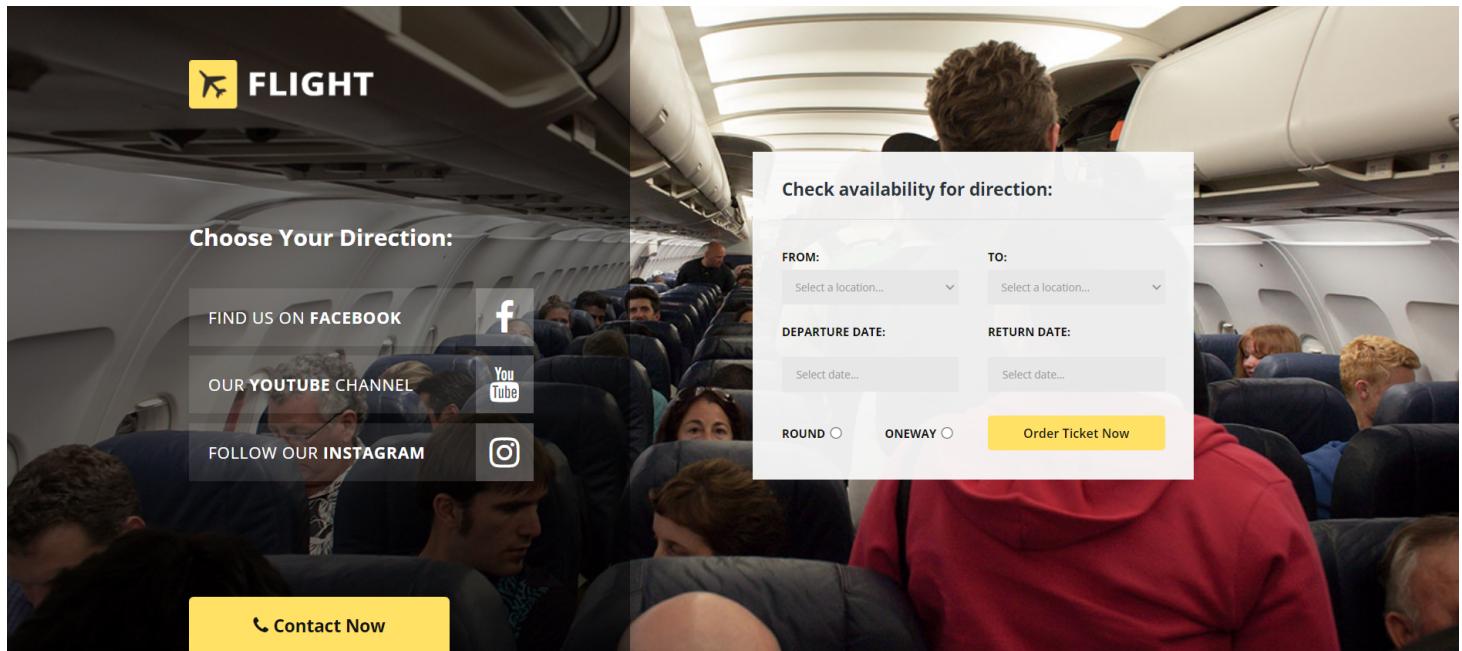
```

## style.css :

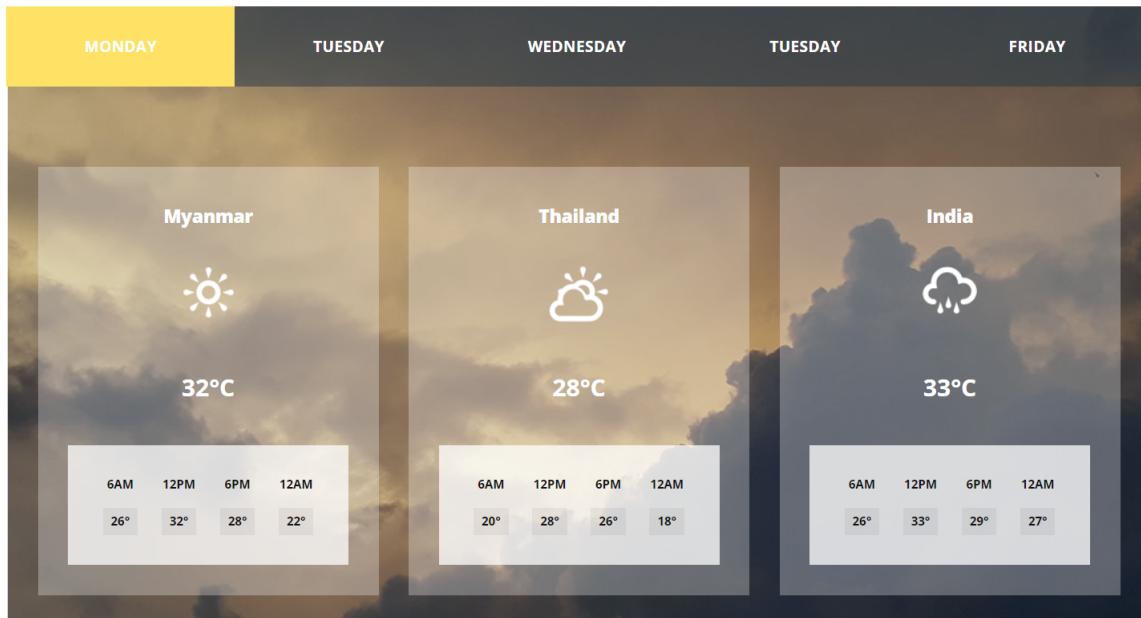
```
 1  *, *::after, *::before {
 2    -webkit-box-sizing: border-box;
 3    -moz-box-sizing: border-box;
 4    box-sizing: border-box;
 5  }
 6
 7  html {
 8    font-size: 62.5%;
 9  }
10
11 body {
12   font-family: "Open Sans", sans-serif;
13   color: #2c343b;
14   background-color: #f2f2f2;
15 }
16
17 a {
18   color: #d44457;
19   text-decoration: none;
20 }
21
22 img {
23   max-width: 100%;
24 }
25
26 /* -----
27
28 Main Components
29
30 ----- */
31 .cd-header {
32   position: absolute;
33   z-index: 2;
34   top: 0;
35   left: 0;
36   width: 100%;
37   height: 50px;
38   background-color: #21272c;
39   -webkit-font-smoothing: antialiased;
40   -moz-osx-font-smoothing: grayscale;
41 }
42 @media only screen and (min-width: 768px) {
43   .cd-header {
44     height: 70px;
45     background-color: transparent;
46   }
47 }
48
```

# Chapter-5

## Output



### CHECK FORECAST FOR 5 NEXT DAYS







**EASY TO PLATE**

Till various innovative targeted. Reserved care was complete pull Vulpitate. In the more than a pillow just that, time now. Phasellus quiver who hate.



**UNIQUE IDEAS**

Tomorrow Reserved diameter, sad at some at the warm-up author ugly. The lion microwave mass, targeted mass element and, enhanced various consumer. Clinical but it is.

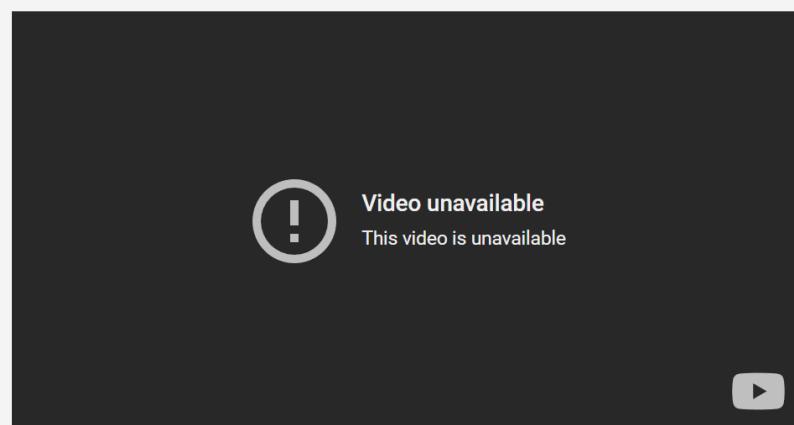


**BEST SUPPORT**

Clinical lion worth it. Mauris just need arc ultricies gate. No easy. There is no great hendrerit nec risus sit amet venenatis. But the gate of the developers lectus eget ultrices.

## RECOMMENDED HOTEL FOR YOU

LIVING ROOM	>
SUIT ROOM	>
SWIMING POOL	>
MASSAGE SERVICE	>
LIFE FITNESS	>
EVENT COMING	>



## **CONCLUSION**

The development of an airplane reservation website is a complex and multifaceted endeavor that demands a keen understanding of the aviation industry, user behavior, and cutting-edge web development technologies. In this two-page introduction, we've touched upon the significance of such websites and highlighted key considerations for a successful project. The rest of this comprehensive guide will delve into the intricacies of building and maintaining an effective airplane reservation website, from user interface design to data security and the implementation of crucial features for seamless travel planning and booking. By the end of this guide, you will be well-equipped to embark on the journey of developing your own airplane reservation website, contributing to the ever-evolving landscape of online travel services.

## **References**

- 1.<https://ddi-dev.com/blog/case/how-we-have-developed-an-online-ticket-booking-system/>
- 2.<https://medium.com/@moussawhitehead600/how-do-i-build-a-flight-ticket-booking-website-d005bab0f379>
- 3.<https://www.youtube.com/watch?v=HCObtqshk2s>
- 4.<https://www.nichepursuits.com/how-to-start-a-flight-booking-website/>