

PROJECT REPORT

Created By

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My Project is a Flight Management System that books and manages the flights to be travelled by the passenger.

We Have used :-

**HTML, CSS For Frontend,
Php And SQL for Backend.**

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Flights



Front Page

User will enter the location from and to which he/she wants to travel.

In My database (shown later),I have Inserted a limited amount of flights and cities.

After hitting the search button user will be taken to a new page where he/she will see the number of flights available from the entered location.

Id: 1 - Where from: Jaipur(JAI) - Where to: Mumbai(BOM) - Flight Name: Air India
Id: 2 - Where from: Jaipur(JAI) - Where to: Mumbai(BOM) - Flight Name: Indigo
Id: 3 - Where from: Jaipur(JAI) - Where to: Mumbai(BOM) - Flight Name: Air Asia
[PROCEED TO BOOKING PAGE](#)

localhost/flight/book.html

Next Page

From here user will select a flight and then will click to proceed to the booking page.

Book My flight

Passengers Details

Aryan

Shrivastava

Enter Dob: 20-09-2002


Jaipur(JAI)

Mumbai(BOM)

Air India

Male

Book The Flight



Booking page

Here the user will enter the required details shown in the page, after entering the details user will submit and finally book the flight with all his/her credentials.

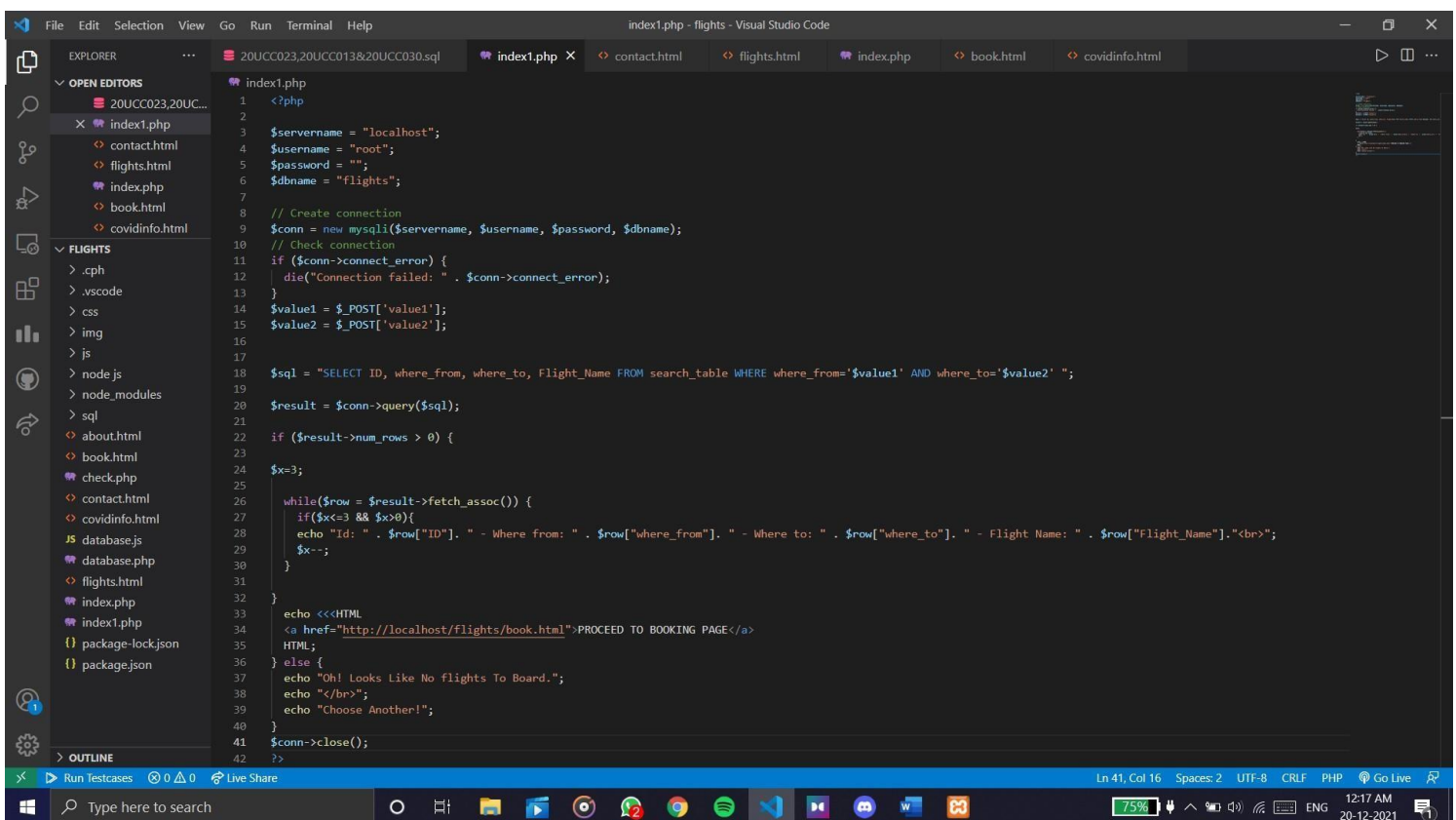
And then this next page will be shown displaying the successful message.

Flight Booked!
Data Successfully inserted

If the user selects that two cities from which no flights are available then new page show a message showing try again.

Oh! Looks Like No flights To Board.
Choose Another!

Page showing try again message



```
1 <?php
2
3 $servername = "localhost";
4 $username = "root";
5 $password = "";
6 $dbname = "flights";
7
8 // Create connection
9 $conn = new mysqli($servername, $username, $password, $dbname);
10 // Check connection
11 if ($conn->connect_error) {
12     die("Connection failed: " . $conn->connect_error);
13 }
14 $value1 = $_POST['value1'];
15 $value2 = $_POST['value2'];
16
17
18 $sql = "SELECT ID, where_from, where_to, Flight_Name FROM search_table WHERE where_from='$value1' AND where_to='$value2' ";
19
20 $result = $conn->query($sql);
21
22 if ($result->num_rows > 0) {
23
24     $x=3;
25
26     while($row = $result->fetch_assoc()) {
27         if($x<=3 && $x>0){
28             echo "Id: " . $row["ID"]. " - Where from: " . $row["where_from"]. " - Where to: " . $row["where_to"]. " - Flight Name: " . $row["Flight_Name"]. "<br>";
29             $x--;
30         }
31     }
32
33     echo <<<HTML
34     <a href="http://localhost/flights/book.html">PROCEED TO BOOKING PAGE</a>
35     HTML;
36 } else {
37     echo "Oh! Looks Like No flights To Board.";
38     echo "<br>";
39     echo "Choose Another!";
40 }
41 $conn->close();
42 >>
```

First page's Php file(index1.php) First we have defined the servername, password, host and database name.

Then we have Created a connection .

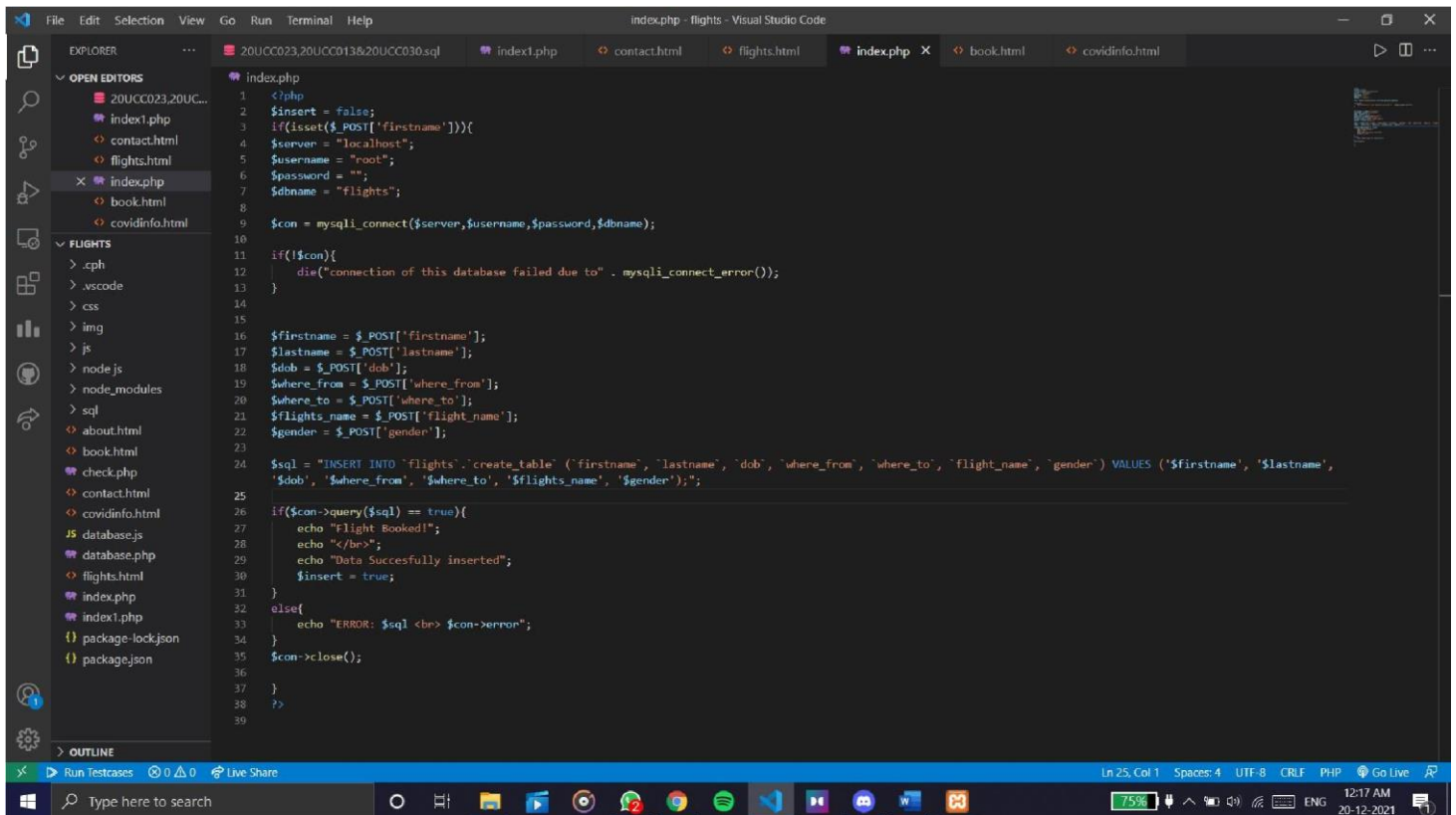
Then we have checked that connection is working fine or not, if not then the system pops the message "Connection Failed".

Then we have assigned variables to the input I took on our 1st page.

Then we have written query that filters the taken two inputs from the table of all flights and cities (shown later).

Then we have written a if -while statement to check the condition to be true and then echo the rows of the required data. Then I have echoed the proceed to the booking page link.

And finally if the data doesn't match the database then we echoed a try again message (shown earlier).



```
1 <?php
2 $insert = false;
3 if(isset($_POST['firstname'])){
4     $server = "localhost";
5     $username = "root";
6     $password = "";
7     $dbname = "flights";
8
9     $con = mysqli_connect($server,$username,$password,$dbname);
10
11     if(!$con){
12         die("connection of this database failed due to" . mysqli_connect_error());
13     }
14
15     $firstname = $_POST['firstname'];
16     $lastname = $_POST['lastname'];
17     $dob = $_POST['dob'];
18     $where_from = $_POST['where_from'];
19     $where_to = $_POST['where_to'];
20     $flights_name = $_POST['flight_name'];
21     $gender = $_POST['gender'];
22
23     $sql = "INSERT INTO 'flights'.create_table ('firstname', 'lastname', 'dob', 'where_from', 'where_to', 'flight_name', 'gender') VALUES ('$firstname', '$lastname', '$dob', '$where_from', '$where_to', '$flights_name', '$gender')";
24
25     if($con->query($sql) == true){
26         echo "Flight Booked!";
27         echo "<br>";
28         echo "Data Successfully inserted";
29         $insert = true;
30     }
31     else{
32         echo "ERROR: $sql <br> $con->error";
33     }
34 }
35 $con->close();
36
37 }
38 ?>
```

Booking page's Php file(index.php)

First we have defined the servername, password, host and database name.

Then we have Created a connection .

Then we have checked that connection is working fine or not, if not then the system pops the message “Connection Failed”.

Then we have assigned variables to the input I took on booking page.

Then we have written a SQL statement that inserts the value took from the Website to the database(shown later).

So that the flight is booked by that person.

Then we have checked the connection to be true , if yes then a successful message will be shown.

The screenshot shows the phpMyAdmin interface for a database named 'flights'. A table named 'create_table' is selected, and it contains 5 rows of data. The table structure is as follows:

| Customer_id | firstname | lastname | dob | where_from | where_to | flight_name | gender |
|-------------|-----------|-------------|------------|----------------|----------------|-------------|--------|
| 1 | aryan | shrivastava | 2002-09-20 | Raipur(RPR) | Jaipur(JAI) | Air Asia | male |
| 2 | akshat | gupta | 2001-05-13 | Kolkata(CCU) | Allahabad(IXD) | Air Asia | male |
| 3 | archit | khurana | 2002-08-22 | Ahmedabad(AMD) | Raipur(RPR) | Indigo | male |
| 4 | mani | brar | 2000-11-27 | Ahmedabad(AMD) | Banglore(BLR) | Spicejet | male |
| 5 | sunny | saxena | 2002-01-19 | Pune(PNQ) | Allahabad(IXD) | Air Asia | male |

create_table

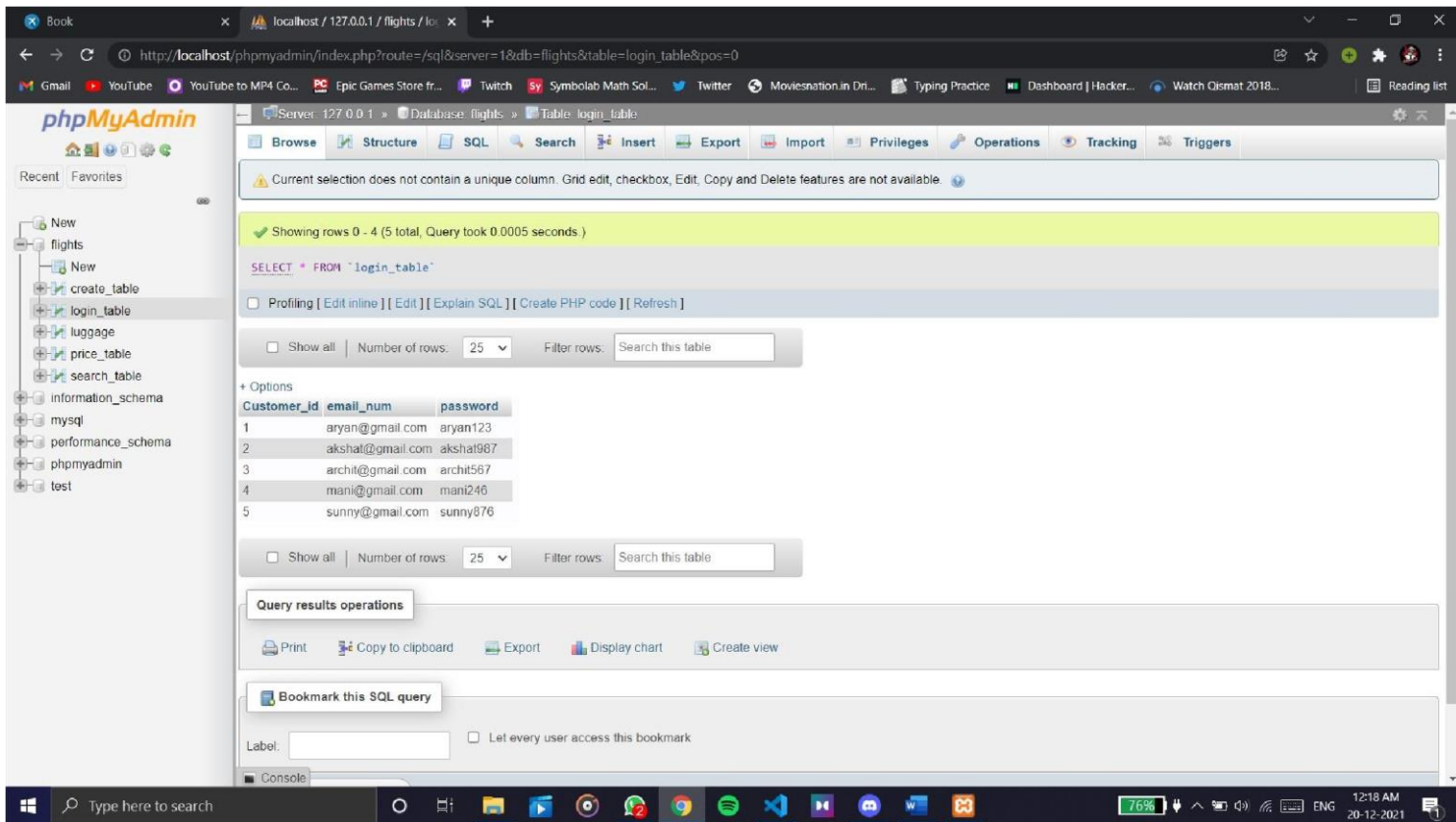
In this table data took from the booking page will be inserted.

The screenshot shows the phpMyAdmin interface for a database named 'flights'. The 'search_table' is selected, and its structure is displayed. The table has four columns: ID, where_to, where_from, and Flight_Name. The data is as follows:

| ID | where_to | where_from | Flight_Name |
|----|----------------|----------------|-------------|
| 1 | Mumbai(BOM) | Jaipur(JAI) | Air India |
| 2 | Mumbai(BOM) | Jaipur(JAI) | Indigo |
| 3 | Mumbai(BOM) | Jaipur(JAI) | Air Asia |
| 4 | New Delhi(DEL) | Jaipur(JAI) | Spicejet |
| 5 | New Delhi(DEL) | Jaipur(JAI) | Air India |
| 6 | New Delhi(DEL) | Jaipur(JAI) | Indigo |
| 7 | Goa(GOI) | Jaipur(JAI) | Indigo |
| 8 | Goa(GOI) | Jaipur(JAI) | Spicejet |
| 9 | Goa(GOI) | Jaipur(JAI) | Go First |
| 10 | Pune(PNQ) | Jaipur(JAI) | Air Asia |
| 11 | Pune(PNQ) | Jaipur(JAI) | Go First |
| 12 | Pune(PNQ) | Jaipur(JAI) | Spicejet |
| 13 | Kolkata(CCU) | Jaipur(JAI) | GoAir |
| 14 | Kolkata(CCU) | Jaipur(JAI) | Air Asia |
| 15 | Kolkata(CCU) | Jaipur(JAI) | Air India |
| 16 | Bangalore(BLR) | Jaipur(JAI) | Spicejet |
| 17 | Bangalore(BLR) | Jaipur(JAI) | Go First |
| 18 | Bangalore(BLR) | Jaipur(JAI) | Air India |
| 19 | Chennai(MAA) | Jaipur(JAI) | Indigo |
| 20 | Chennai(MAA) | Jaipur(JAI) | Vistara |
| 21 | Chennai(MAA) | Jaipur(JAI) | Air Asia |
| 22 | Jaipur(JAI) | Mumbai(BOM) | Air India |
| 23 | Jaipur(JAI) | Mumbai(BOM) | Indigo |
| 24 | Jaipur(JAI) | Mumbai(BOM) | Air Asia |
| 25 | Jaipur(JAI) | New Delhi(DEL) | Spicejet |

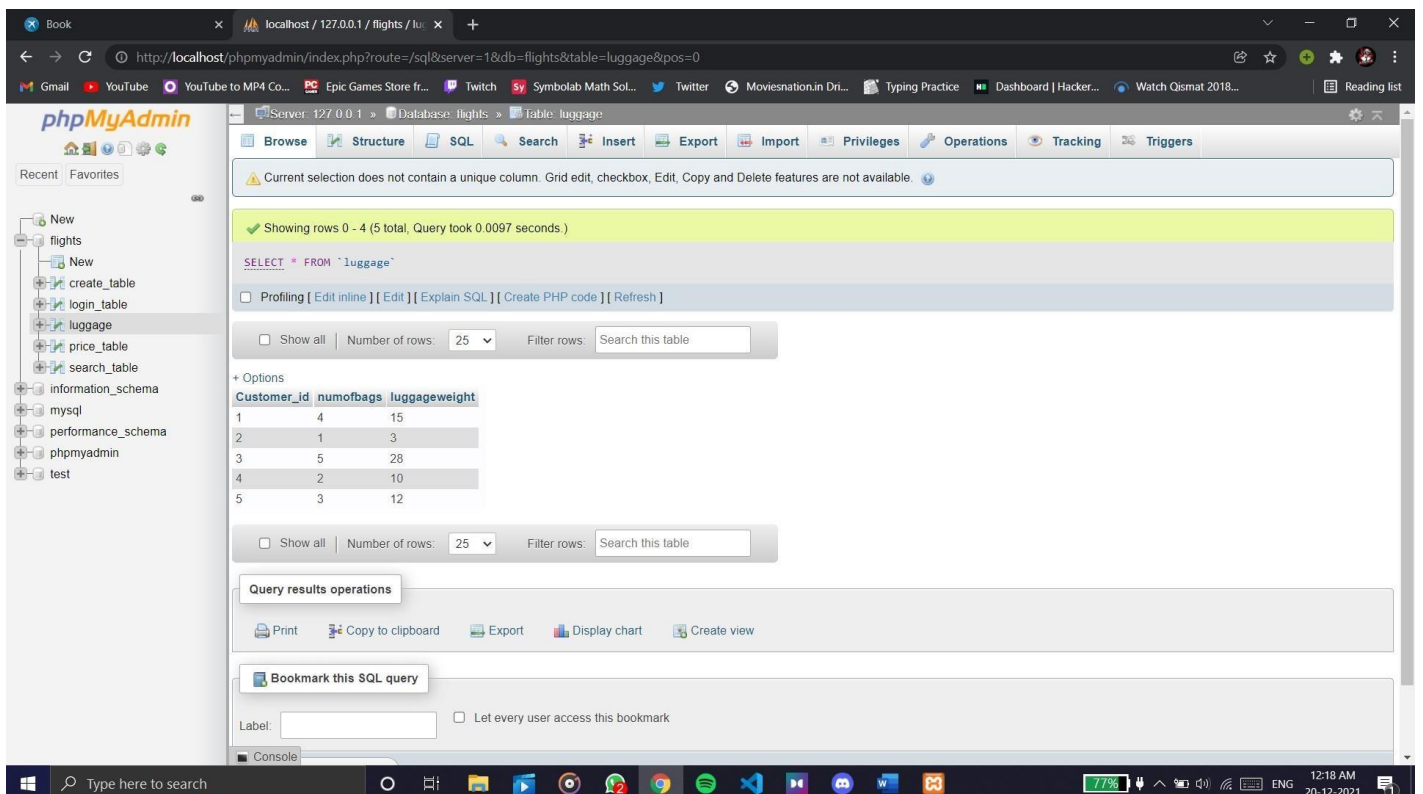
search_table

This table has data of all the cities and flights which the user will use while searching from the front page.



login_table

this table will take the login information of the user.



luggage

this table will store the total number of bags/luggage of the user.

The screenshot shows the phpMyAdmin interface for a database named 'flights'. The 'price_table' is selected, and its structure is displayed. The table has six columns: Customer_id, economy, first, business, numofseats, and amount. The data shows five rows of flight bookings with varying seat counts and amounts.

| Customer_id | economy | first | business | numofseats | amount |
|-------------|---------|-------|----------|------------|--------|
| 1 | 3 | 1 | 2 | 0 | 0 |
| 2 | 2 | 2 | 0 | 0 | 0 |
| 3 | 1 | 1 | 3 | 0 | 0 |
| 4 | 0 | 4 | 2 | 0 | 0 |
| 5 | 2 | 0 | 3 | 0 | 0 |

price_table

this table will store the type and number of seats booked by the user and hence the total amount or cost of flight of the user.

Covid Information

From flights during COVID-19 to government mandates required for travel, get information about all your travel-related queries here. If your destination city/state mandates a negative RT-PCR report, then you must carry the same to be allowed boarding from your origin station. It is compulsory to wear a mask at all times throughout your journey, be it at the airport or inside the flight. It helps you, your fellow passengers and us stay safe. From deeply disinfecting the lean, clean flying machine to minimising contact and regularly sanitising every touchpoint of your journey, our staff ensures flying with us is as safe and hassle-free as possible for you. Customers are also requested to familiarise themselves with the guidelines for air passengers published by the Indian Ministry of Civil Aviation on the following link:

https://www.civilaviation.gov.in/sites/default/files/Guidelines_for_Air_Passengers_21May.pdf

Caution: Customers are advised to strictly follow all COVID-19 protocols. Failure to comply with these guidelines and the directions of our ground staff and/or crew may attract penal action against the concerned individual.

3rd page

This page contains covid-19 related guidelines.

THANK YOU