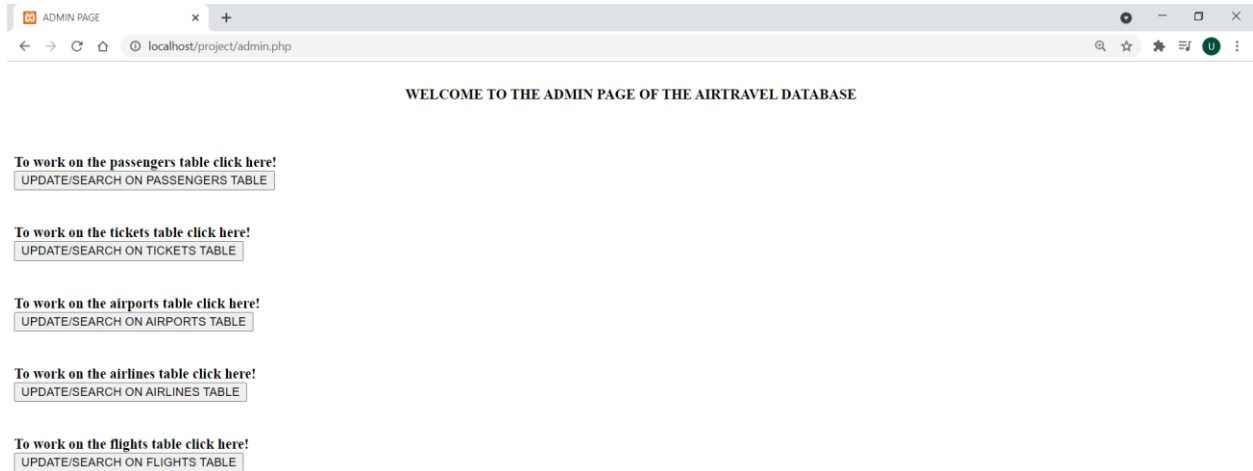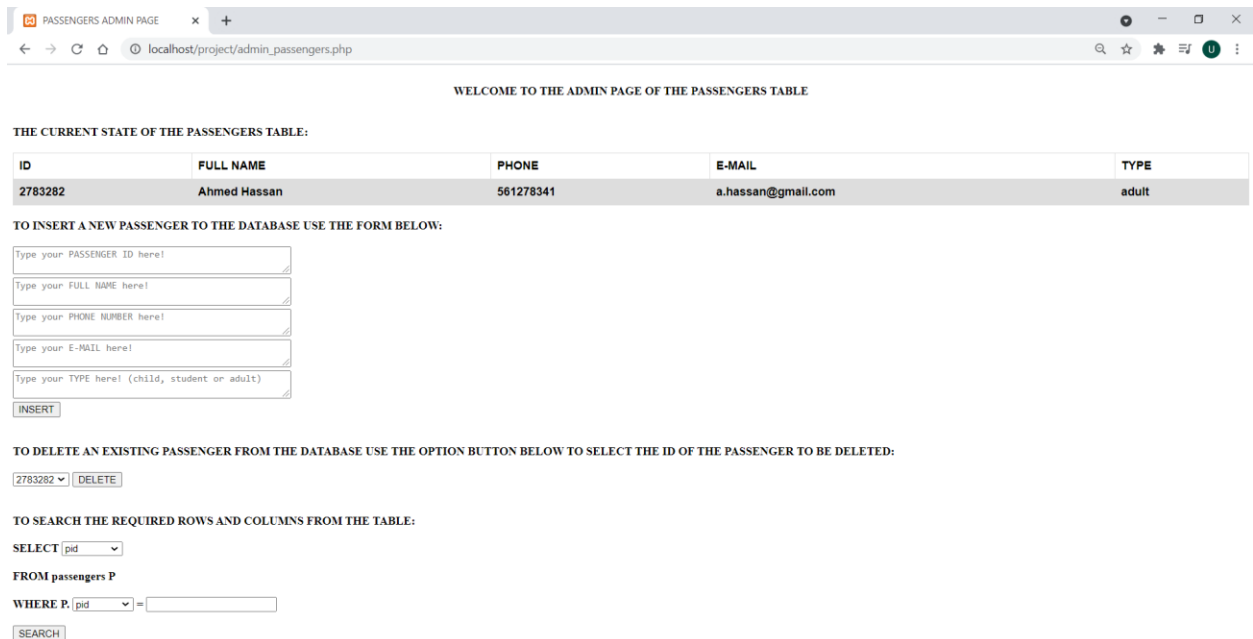# AIRTRAVEL DATABASE ADMINISTRATION PANEL

Group Members: Uğur Kağan Çakır – 27058

MAIN ADMIN PAGE:

WHEN WE CLICK UPDATE/SEARCH ON PASSENGERS TABLE BUTTON, WE GET TO ADMIN PAGE OF THE PASSENGERS TABLE:

WHEN WE CLICK UPDATE/SEARCH ON TICKETS TABLE BUTTON, WE GET TO ADMIN PAGE OF THE TICKETS TABLE:

WELCOME TO THE ADMIN PAGE OF THE TICKETS TABLE

THE CURRENT STATE OF THE TICKETS TABLE:

ID	CLASS	SEAT NO	PRICE ($)	FLIGHT ID	PASSENGER ID
00245	economy	45H	56	27366-EXD	2783282

TO INSERT A NEW TICKETS TO THE DATABASE USE THE FORM BELOW:

Type your TICKET ID here!

Type the CLASS OF THE TICKET here!

Type the SEAT NUMBER OF THE TICKET here!

Type the PRICE OF THE TICKET here!

Select the FLIGHT'S ID here 27366-EXD ˅

Select the PASSENGER'S ID THAT THE TICKET BELONGS TO here 2783282 ˅

INSERT

TO DELETE AN EXISTING TICKET FROM THE DATABASE USE THE OPTION BUTTON BELOW TO SELECT THE ID OF THE TICKET TO BE DELETED:

00245 ˅ DELETE

TO SEARCH THE REQUIRED ROWS AND COLUMNS FROM THE TABLE:

SELECT tid ˅

FROM tickets T

WHERE T. tid ˅ =

SEARCH

WHEN WE CLICK UPDATE/SEARCH ON AIRPORTS TABLE BUTTON, WE GET TO ADMIN PAGE OF THE AIRPORTS TABLE:

WELCOME TO THE ADMIN PAGE OF THE AIRPORTS TABLE

THE CURRENT STATE OF THE AIRPORTS TABLE:

ID	NAME	CITY	COUNTRY
3	Sabiha Gokcen	Istanbul	Turkey
4	Yenişehir Airport	Bursa	Turkey

TO INSERT A NEW AIRPORT TO THE DATABASE USE THE FORM BELOW:

Type your AIRPORT'S NAME here!

Type the name of the CITY that the airport is located in

Type the name of the COUNTRY that the airport is located in

INSERT

TO DELETE AN EXISTING AIRPORT FROM THE DATABASE USE THE OPTION BUTTON BELOW TO SELECT THE ID OF THE AIRPORT TO BE DELETED:

3 ˅ DELETE

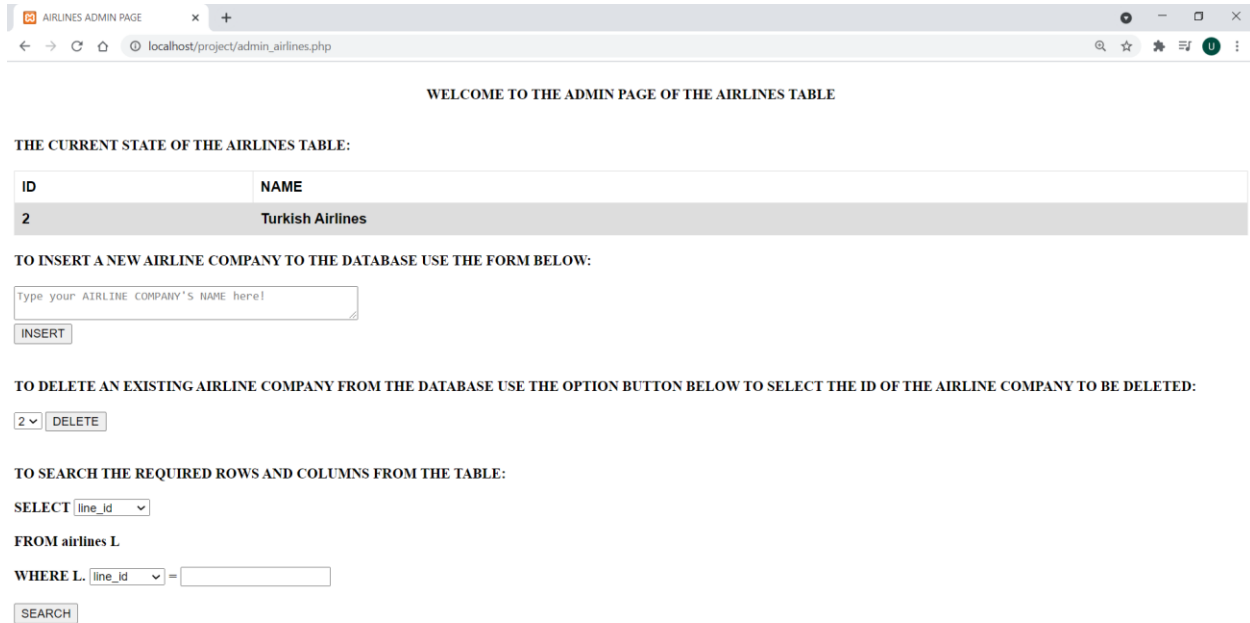TO SEARCH THE REQUIRED ROWS AND COLUMNS FROM THE TABLE:

SELECT port_id ˅

FROM airports A

WHERE A. port_id ˅ =

SEARCH

WHEN WE CLICK UPDATE/SEARCH ON AIRLINES TABLE BUTTON, WE GET TO ADMIN PAGE OF THE AIRLINES TABLE:
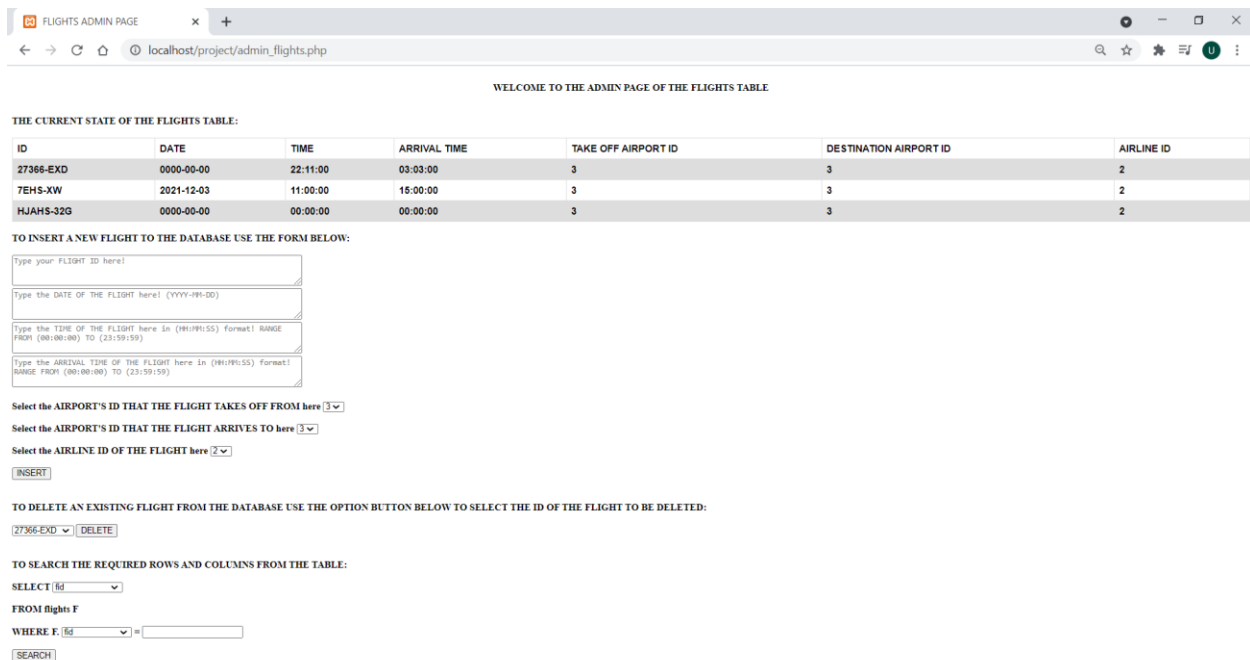
WHEN WE CLICK UPDATE/SEARCH ON FLIGHTS TABLE BUTTON, WE GET TO ADMIN PAGE OF THE FLIGHTS TABLE:

In the screenshots I inserted some example data to show how the admin pages function.

SOME SMALL CHANGES IN THE DATABASE:

In airlines table I've decided that the number of airline companies won't be too much, therefore I could use integer ID's to represent them, and instead of taking those IDs from the user, I could just use auto-increment:

line_id INTEGER NOT NULL AUTO_INCREMENT

I've done the same method for the IDs in airports table as well, I also added port_name variable to that table:

port_id INTEGER NOT NULL AUTO_INCREMENT

port_name VARCHAR(100)

Therefore, I didn't take line_id and port_id information in the forms when inserting new tuples.

REPORT

Firstly, I've implemented the main admin page which is called "admin.php". However, this page is not the page that the insertion, deletion, or search operations are implemented in, rather this page directs us to the sub admin pages that works on one individual table of the database. For example, when we click on the "UPDATE/SEARCH ON PASSENGERS TABLE" button, we are directed to the admin page of the passengers table (admin_passengers.php) that in where we can make insertions and deletions on the passengers table, or we can search for specific entries in the passengers table. I've implemented my admin page in this manner because of the fact that, every table has different columns and it wouldn't be possible to implement the forms I needed for insertion, deletion, and search in a clean way without having individual admin pages. Since we have 5 tables in the database, we have 5 sub admin pages.

In all admin pages apart from the main admin page, I've first of all printed out the current state of the table that the admin page works on. Then, I've created a form to collect the required information to insert a new tuple to the table. The information filled into the form is inserted to the table after clicking the "INSERT" button. The insert button calls a web page add_theNameOfTheTable (e.g. add_passengers) but these pages do not print out anything they just make insertion on the database and immediately returns back to the admin page that this operation is called from (e.g. for add_passengers after completing its actions it returns back to the admin_passengers page).

After the form, I've created a selection button to select the id of the tuple to be deleted. After clicking the delete button the delete_theNameOfTheTable (e.g. delete_passengers) web page is called, but these pages do not print out anything, they just make operations on the database and immediately returns back to admin_ theNameOfTheTable page (e.g. for delete_passengers after completing its actions it returns back to the admin_passengers page).

After insertion and deletion, I've made a search query to search relevant entries from a table. It works in the following way:

SELECT the requested columns (you can also select * to choose all of the columns)

FROM the table this admin page works on

WHERE a selected column (select one column name among all the column names of the table) equals to a value entered.

After choosing which rows to be returned and deciding the specification at the "WHERE" line, we can search the query by clicking "SEARCH" button. After clicking the search button, the search_theNameOfTheTable (e.g. search_passengers for admin_passengers) web page is called, these pages this time do not return back to admin_theNameOfTheTable immediately after it executes its operations, but it prints out the values found corresponding to the values queried from the database. The output of the query is displayed in table format.

For all of the delete_thenameofthetable, add_thenameofthetable, and search_thenameofthetable web pages, the default message when these pages are called outside their corresponding admin page is "the form is not yet set". And other than the search_thenameofthetable pages, these pages do not print anything else out.

The names of every web page can be seen here:

FOLDERS
▼ 📁 project
　📄 add_airlines.php
　📄 add_airports.php
　📄 add_flights.php
　📄 add_passengers.php
　📄 add_tickets.php
　📄 admin.php
　📄 admin_airlines.php
　📄 admin_airports.php
　📄 admin_flights.php
　📄 admin_passengers.php
　📄 admin_tickets.php
　📄 config.php
　📄 delete_airlines.php
　📄 delete_airports.php
　📄 delete_flights.php
　📄 delete_passengers.php
　📄 delete_tickets.php
　📄 search_airlines.php
　📄 search_airports.php
　📄 search_flights.php
　📄 search_passengers.php
　📄 search_tickets.php

SEARCH_ THENAMEOFTHETABLE.PHP PAGES

These pages just print out "This form is not yet set." if they are called without using "SEARCH" button.

But when they are called with the "SEARCH" button it works in the following way:

I will show it by using 1 example on admin_flights.php page, the others also work in the same way

First, this is the current state of the table:

THE CURRENT STATE OF THE FLIGHTS TABLE:

ID	DATE	TIME	ARRIVAL TIME	DEPARTURE AIRPORT ID	DESTINATION AIRPORT ID	AIRLINE ID
27366-EXD	0000-00-00	22:11:00	03:03:00	3	3	2
7EHS-XW	2021-12-03	11:00:00	15:00:00	3	3	2
HJAHS-32G	0000-00-00	00:00:00	00:00:00	3	3	2

When I choose * as the selected column (I want to return every column) and select lineID and = 2

TO DELE [fid / take_off_date / take_off_time / arrival_time / take_off_place / destination / lineID / *] **N(**

[27366-EXI]

TO SEAR lineID **IF**

SELECT [fid ▾]

TO SEARC [fid / take_off_date / take_off_time / arrival_time / take_off_place / destination / lineID] **RED ROWS AND COLUMN**

SELECT [fic ...]

FROM fligh destination

WHERE F. [fid ▾] = [I can write anything here]

TO SEARCH THE REQUIRED ROWS AND COLUMNS FROM THE TABLE:
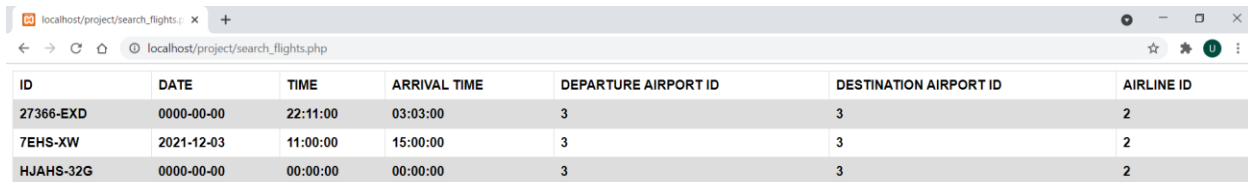
SELECT [* ▾]

FROM flights F

**WHERE F.** [lineID ▾] = [2]

[SEARCH]

The state of the search_flights.php table becomes:

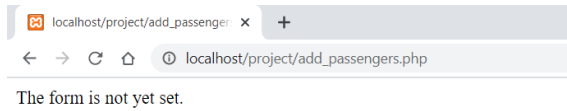| ID	DATE	TIME	ARRIVAL TIME	DEPARTURE AIRPORT ID	DESTINATION AIRPORT ID	AIRLINE ID
27366-EXD	0000-00-00	22:11:00	03:03:00	3	3	2
7EHS-XW	2021-12-03	11:00:00	15:00:00	3	3	2
HJAHS-32G	0000-00-00	00:00:00	00:00:00	3	3	2

THE CONFIG.PHP PAGE:

This page is just for connecting to the database and it does not have any other function, it does not print out anything
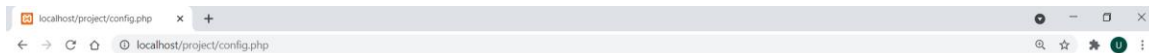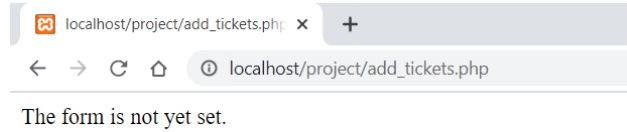
THE SCREENSHOTS OF EVERY ADD_THENAMEOFTHETABLE.PHP PAGES (FOR THE SAKE OF COMPLETENESS)
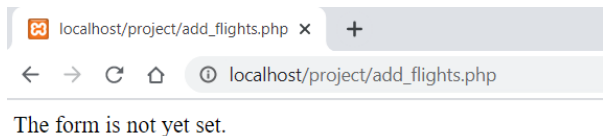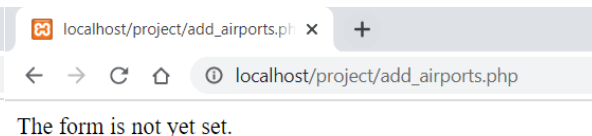
add_passengers.php

localhost/project/add_passenger ×   +

← → C ⌂ ⓘ localhost/project/add_passengers.php

The form is not yet set.

add_tickets.php

localhost/project/add_tickets.php ×   +

← → C ⌂ ⓘ localhost/project/add_tickets.php

The form is not yet set.

add_flights.php

localhost/project/add_flights.php ×   +

← → C ⌂ ⓘ localhost/project/add_flights.php

The form is not yet set.

add_airports.php

localhost/project/add_airports.ph ×   +

← → C ⌂ ⓘ localhost/project/add_airports.php

The form is not yet set.

add_airlines.php

localhost/project/add_airlines.ph ×   +

← → C ⌂ ⓘ localhost/project/add_airlines.php
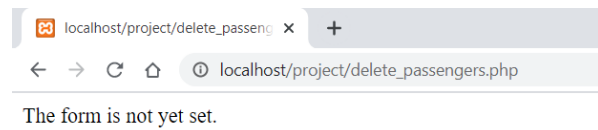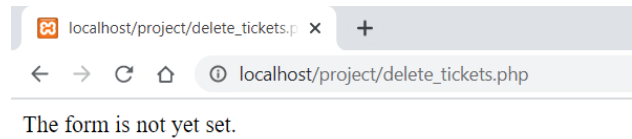
The form is not yet set.

THE SCREENSHOTS OF EVERY DELETE_THENAMEOFTHETABLE.PHP PAGES (FOR THE SAKE OF COMPLETENESS)

delete_passengers.php

localhost/project/delete_passeng ×   +
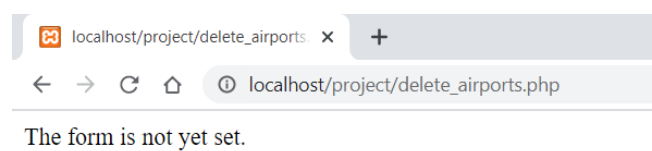
← → C ⌂   ⓘ localhost/project/delete_passengers.php

The form is not yet set.

delete_tickets.php

localhost/project/delete_tickets.p ×   +

← → C ⌂   ⓘ localhost/project/delete_tickets.php

The form is not yet set.

delete_flights.php

localhost/project/delete_flights.p ×   +

← → C ⌂   ⓘ localhost/project/delete_flights.php

The form is not yet set.

delete_airports.php

localhost/project/delete_airports. ×   +

← → C ⌂   ⓘ localhost/project/delete_airports.php

The form is not yet set.

delete_airlines.php

localhost/project/delete_airlines.p ×   +

← → C ⌂   ⓘ localhost/project/delete_airlines.php

The form is not yet set.