

## 1. Introduction

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This project aims to create a simple in-house web-based Airline Reservation System by using PHP. There are 2 types of entities that can run operations on the system: Admins and Employees. In this system,

Admins can:

- Add/Edit/Delete Employees
- Add/Edit/Delete Flights
- Add/Edit/Delete Pilots

Employees can:

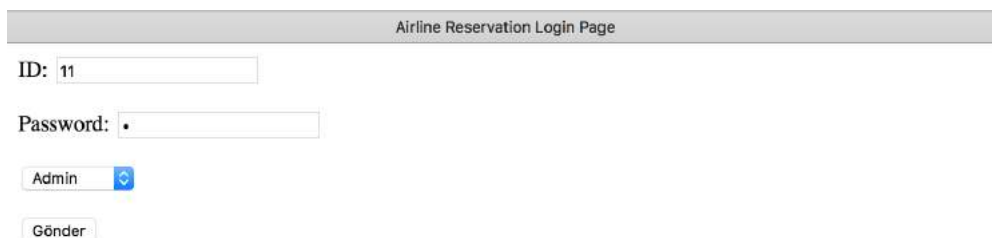
- Add/Edit/Delete Reservations

And also it is possible to see past & future flights (by pilot or all) by calling stored procedures for past flights and future flights.

## 2. Interface

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### 1. Login Interface



The screenshot shows a web form titled "Airline Reservation Login Page". It contains the following elements: a text input field for "ID:" with the value "11"; a password input field with a masked character "•"; a dropdown menu currently showing "Admin"; and a "Gönder" (Send) button.

### 2. Admin Homepage



The screenshot shows a web page titled "Airline Admin Homepage". It displays a welcome message "Welcome, 11." followed by a list of links for administrative actions: "Click [here](#) to log out.", "Click [here](#) to edit or delete an employee.", "Click [here](#) to add employee.", "Click [here](#) to edit or delete a flight.", "Click [here](#) to add flight.", "Click [here](#) to edit or delete a pilot.", "Click [here](#) to add pilot.", "Click [here](#) to check past flights.", and "Click [here](#) to check future flights."

### 3. Admin Add Employee

Airline Admin

First name:

Last name:

Password:

Click [here](#) to log out.  
Click [here](#) to return home page.

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### 4. Admin Employee List to perform edit/delete

Employee List			
Operations	ID	FNAME	LNAME
<a href="#">Delete</a> <a href="#">Edit</a>	16	emp411	empo5
<a href="#">Delete</a> <a href="#">Edit</a>	18	emp455	dne
<a href="#">Delete</a> <a href="#">Edit</a>	20	emp78	kk
<a href="#">Delete</a> <a href="#">Edit</a>	21	John	New
<a href="#">Delete</a> <a href="#">Edit</a>	22	Mustafa	Kos

Click [here](#) to log out.  
Click [here](#) to return home page.

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### 5. Admin Add Flight

Airline Admin

Pilot ID:

Depart From:

Target To:

Flight Date:

Click [here](#) to log out.  
Click [here](#) to return home page.

## 6. Admin Flight List to perform Edit/Delete

Flight List					
Operations	Flight ID	Pilot ID	Departure	Target	Flight Date
<a href="#">Delete</a> <a href="#">Edit</a>	1	1	ist	izm	2017-08-04
<a href="#">Delete</a> <a href="#">Edit</a>	4	1	edr	izmir	2017-08-01
<a href="#">Delete</a> <a href="#">Edit</a>	5	4	edirne	corlu	2017-08-05
<a href="#">Delete</a> <a href="#">Edit</a>	9	1	edr	ist	2017-09-01
<a href="#">Delete</a> <a href="#">Edit</a>	10	4	ams	ber	2017-06-08
<a href="#">Delete</a> <a href="#">Edit</a>	11	4	Milano	İst	2017-12-08

Click [here](#) to log out.

Click [here](#) to return home page.

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## 7. Admin Add Pilot

Airline Admin	
Pilot Name:	<input type="text" value="murat"/>
<input type="button" value="Add Pilot"/>	

Click [here](#) to log out.

Click [here](#) to return home page.

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## 8. Admin Pilot List to perform Edit/Delete

Pilot List		
Operations	Pilot ID	Pilot Name
<a href="#">Delete</a> <a href="#">Edit</a>	1	kenan
<a href="#">Delete</a> <a href="#">Edit</a>	4	osman

Click [here](#) to log out.

Click [here](#) to return home page.

## 9. Employee Homepage

### Airline Employee Homepage

Welcome, 16.  
Click [here](#) to log out.  
Click [here](#) to edit or delete a reservation.  
Click [here](#) to add reservation.

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## 10. Employee Add Reservation

### Airline Employee

Flight ID:

Customer ID:

Seat Number:

Click [here](#) to log out.  
Click [here](#) to return home page.

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## 11. Employee Reservation List to perform Edit/Delete

### Reservation List

Operations	Flight ID	Customer ID	Seat Number
<a href="#">Delete</a> <a href="#">Edit</a>	10	11	04B
<a href="#">Delete</a> <a href="#">Edit</a>	4	13	02B
<a href="#">Delete</a> <a href="#">Edit</a>	5	13	01B
<a href="#">Delete</a> <a href="#">Edit</a>	5	15	03B
<a href="#">Delete</a> <a href="#">Edit</a>	4	20	01A
<a href="#">Delete</a> <a href="#">Edit</a>	10	130	09B

Click [here](#) to log out.  
Click [here](#) to return home page.

### 3. Database

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There are 6 tables in this database such that:

1. **Users**(ID, FNAME, LNAME, Password, Role)  
Contains Admins & Employees. Admins' role is 1 while Employees' role is 0.
2. **Pilots**(PilotID, PilotName)  
Created by Admins, it contains pilots in the system.
3. **Flights**(FlightID, PilotID, Departure, Target, FlightDate)  
Created by Admins, it contains flights in the system. PilotID is a foreign key.
4. **Customers**(CustomerID, CFName, CLName)  
Can be created on phpmyadmin or can be automatically created at its first reservation. CFName & CLName fields can be Null.
5. **Seats**(SeatNo)  
There are 20 rows in a plane starting from A to D.
6. **Reservations**(FlightID, CustID, Seat)  
Created by Employees, FlightID, CustID, Seat are foreign keys. FlightID & Seat is key.

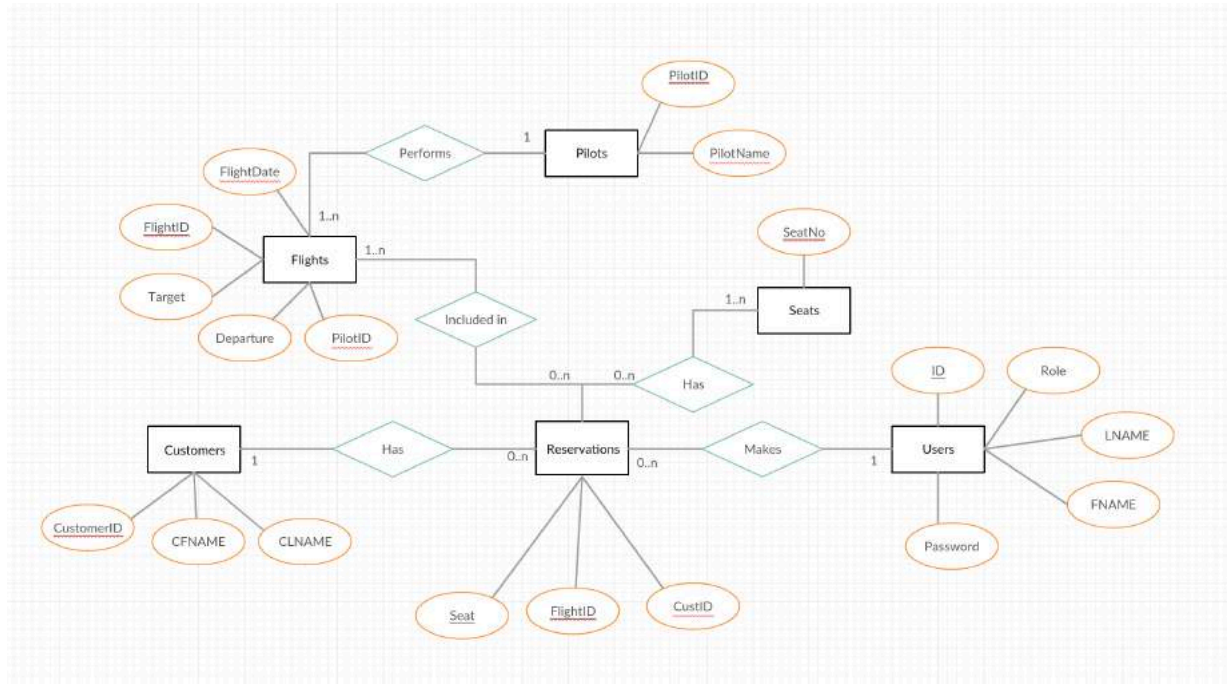


Table 3.1. E-R Diagram

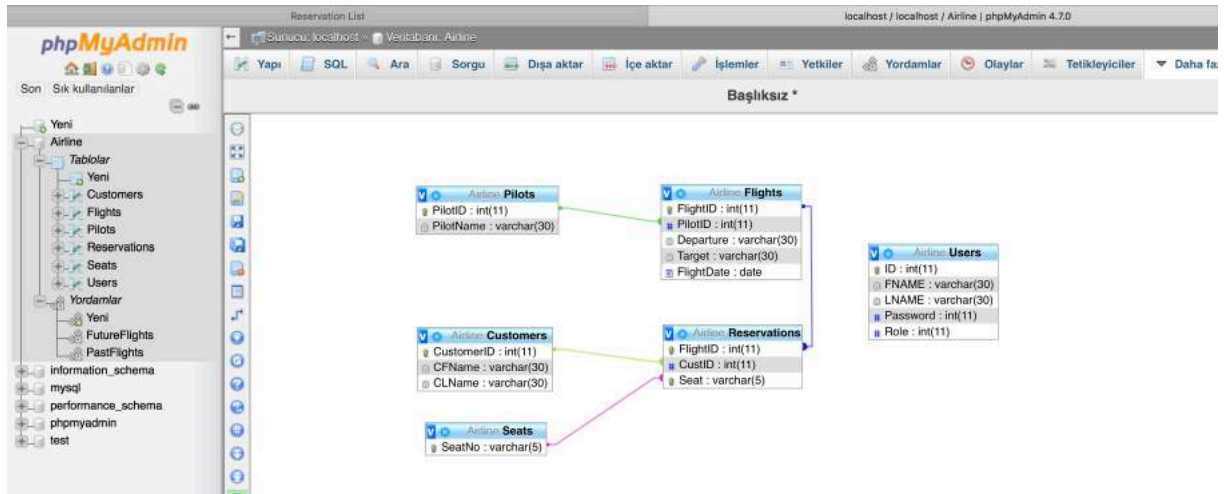


Table 3.2. phpmyadmin design view