



Year 2 (Fall - 2020) - Database Systems 1 Project

Peristera Airlines

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INTRODUCTION

Around 400 BC, the Greek mathematician, astronomer, philosopher and statesman Architas designed the so-called oldest flying machine and built it in the shape of a bird and claimed to have flown with it for a distance of 200 meters. That instrument, which he called the dove (in Greek: Περιστέρα) "Peristera", might have been stuck on a rope or tube when flying.

This project is named as *Peristera* as an inspiration from "Peristera" the Greek island where the first idea of invention of a plane was created.

Aviation is considered the best, the fastest, and the more comfortable way to transport nowadays.

Most of the companies nowadays prefer to invest their businesses in airlines; and this inspired us to establish our database project about this idea, which is an airlines company.

SCOPE

This project scopes the daily workflow of an airline company (Peristera), it scopes only the workflow related to the airline company, employee in this

company, voyagers, and the daily routine expected to perform tasks and to help the voyagers to buy their tickets, not an airport.

We recommended (flight information, employee information, passengers' information, ticket information, plane information, the type of flight the passenger has selected, and the payment method the passenger has chosen to pay with).

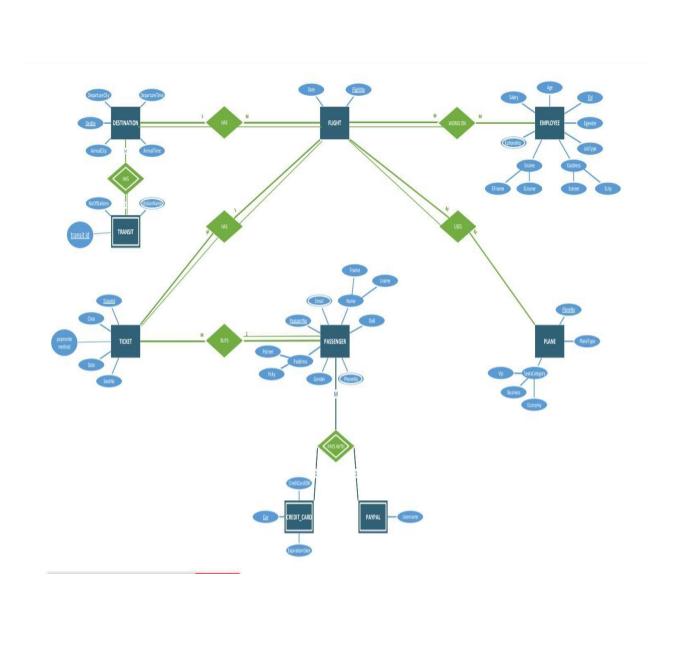
PURPOSE

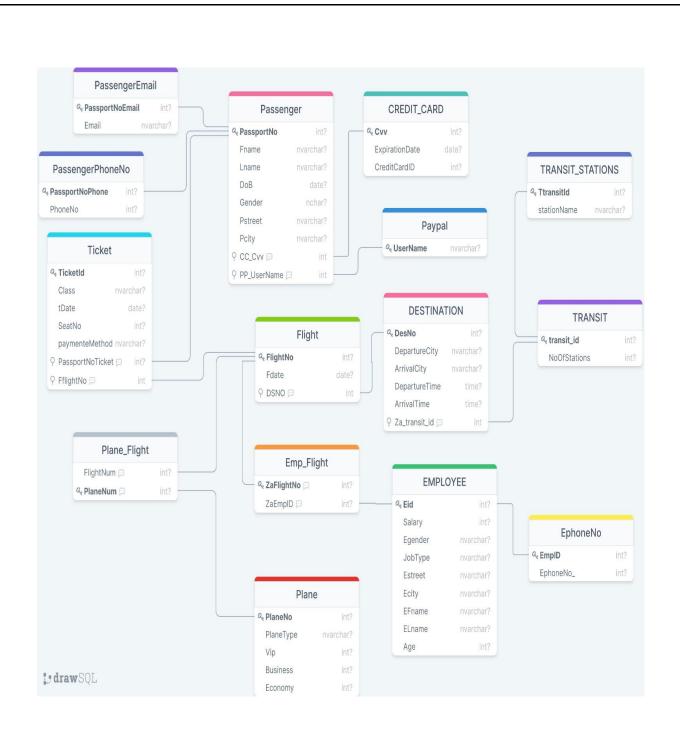
The purpose of this project is to improve the development and the services that are provided to the passenger plus detecting the errors and flaws of the previous systems and fixing it.

And we seek for a better service for the passenger to make his flight easier, more comfortable, and his registration is more flexible and precise.

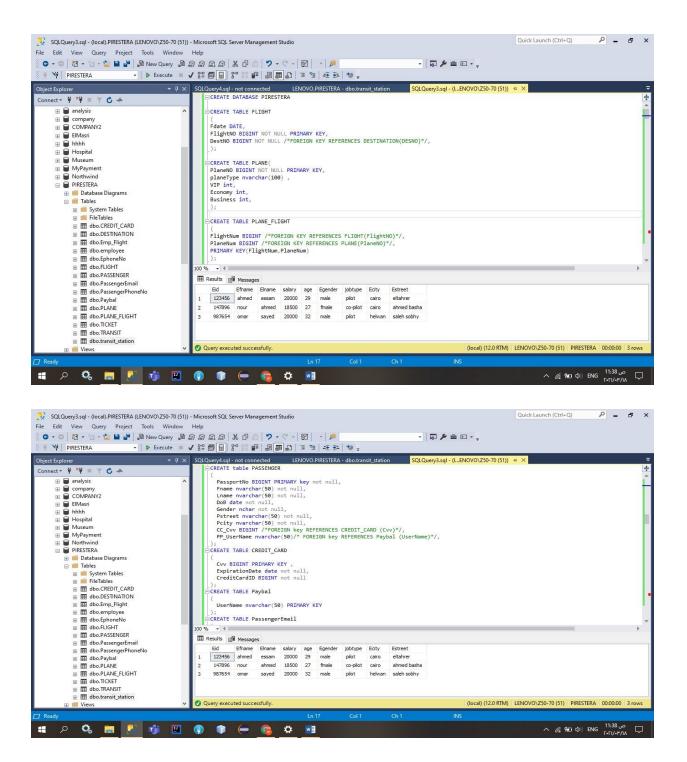
MODAL DESIGNS

Here are the ER diagram and the conceptual schema defining the project:

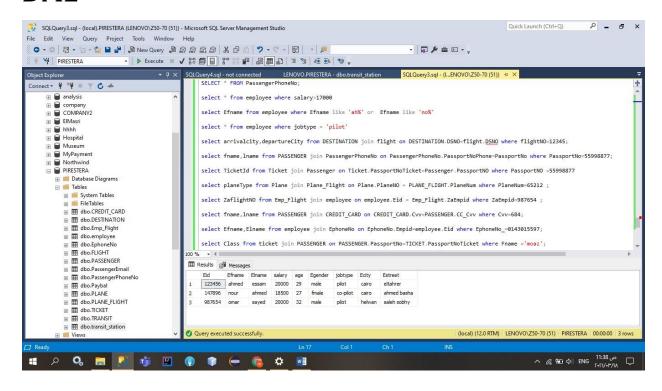


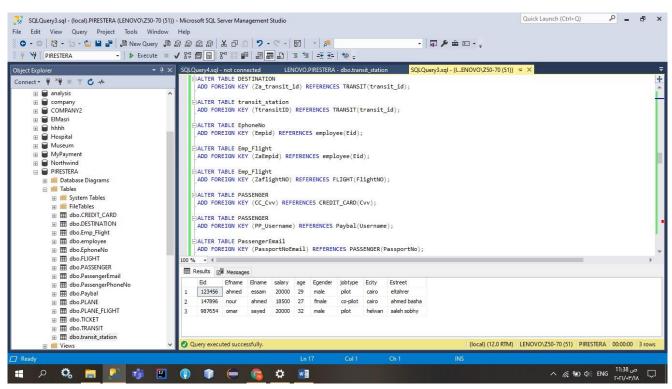


DDL



DML





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('moar_younis52@gmail.com',55998877),
('onaralsabahy357@gmail.com',56332255),
('nourl23@gmail.com',66332255),
('yorok8s.dou@gmail.com',44776611);

INSERT INTO Paybal (UserName)

VALUES ('maaky'),
('moar_younis'),
('onaralsabahy'),
('yorok6s'),
('nourl23');

INSERT INTO CREDIT_CARD (Cvv,ExpirationDate , CreditCardID)

VALUES (684, '2019-12-01',456789),
('512, '2020-07-15',541275),
('984, '2019-06-29',541372),
('356, '2020-08-04',542326),
(157, '2021-12-15',411785);

INSERT INTO PASSENGER ( PassportNo, Fname, Lname, DoB, Gender, Pstreet, Pcity, CC_cvv, PP_UserName )

VALUES (11554488, "mchamed', 'fawky', '2001-8-4', 'm', 'maadi', 'cairo',684, 'mfawky' ),
('55998877, 'maoar', 'younis', '2008-8-4', 'm', 'maadi', 'cairo',684, 'mfawky' ),
('66332255, 'omar', 'mohamed', '2001-8-8', 'm', 'faisal', 'haram',356, 'yorok6s' ),
('44776611, 'nour', 'shamed', '2001-6-8', 'm', 'faisal', 'haram',356, 'yorok6s' ),
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For code live:

https://github.com/Mohamed3bdelsatar/Peristera-Airline