



Swu-air

จัดทำโดย

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นายมนพล สงวนกลิ่น **62102010181**

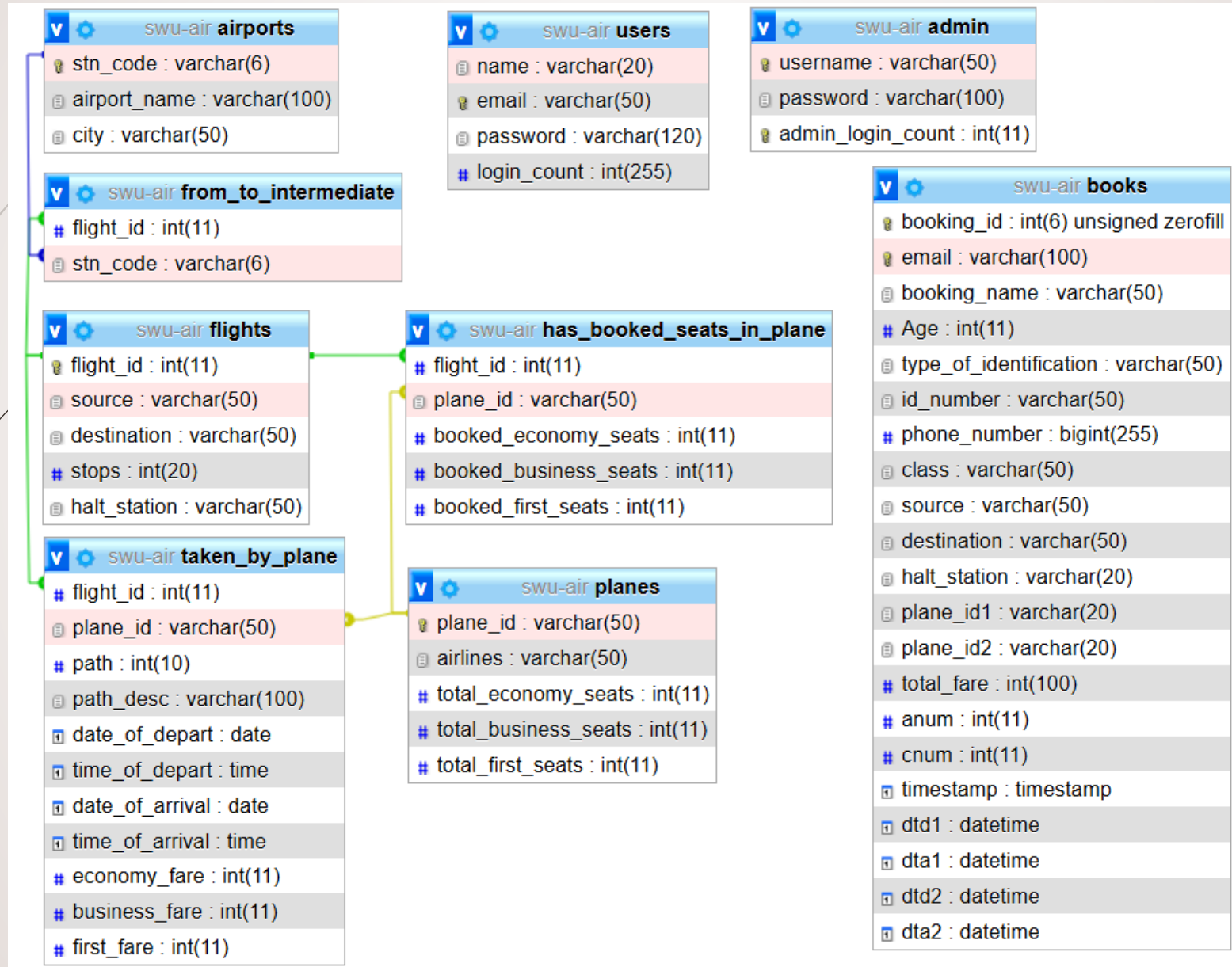
Admin สามารถ

- เพิ่ม/ลบสนามบิน
- เพิ่ม/ลบเครื่องบิน
- เพิ่ม/ลบ/อัปเดตเที่ยวบิน
- ลบการตั๋วที่จองไว้

User สามารถ

- สมัครสมาชิก
- จองตั๋วเครื่องบิน
- ดูประวัติการจอง

ERD ға



ERD ใหม่

การแก้ไข

- เพิ่ม foreign key ใน books
 - + plane_1 เป็น FK ของ plane_id จาก table planes
 - + source เป็น FK ของ stn_code จาก table airports
 - + flight_id เป็น FK ของ flight_id จาก table flights

swu-air admin
username : varchar(50)
password : varchar(100)
admin_login_count : int(11)

swu-air users
name : varchar(20)
email : varchar(50)
password : varchar(120)
login_count : int(255)

swu-air has_booked_seats_in_plane
flight_id : int(11)
plane_id : varchar(50)
booked_economy_seats : int(11)
booked_business_seats : int(11)
booked_first_seats : int(11)

swu-air planes
plane_id : varchar(50)
airlines : varchar(50)
total_economy_seats : int(11)
total_business_seats : int(11)
total_first_seats : int(11)

swu-air taken_by_plane
flight_id : int(11)
plane_id : varchar(50)
path : int(10)
path_desc : varchar(100)
date_of_depart : date
time_of_depart : time
date_of_arrival : date
time_of_arrival : time
economy_fare : int(11)
business_fare : int(11)
first_fare : int(11)

swu-air books
booking_id : int(6) unsigned zerofill
email : varchar(100)
booking_name : varchar(50)
Age : int(11)
type_of_identification : varchar(50)
id_number : varchar(50)
phone_number : bigint(255)
class : varchar(50)
source : varchar(6)
destination : varchar(50)
halt_station : varchar(20)
plane_id1 : varchar(20)
plane_id2 : varchar(20)
total_fare : int(100)
anum : int(11)
cnum : int(11)
timestamp : timestamp
dtd1 : datetime
dta1 : datetime
dtd2 : datetime
dta2 : datetime
flight_id : int(11)

swu-air flights
flight_id : int(11)
source : varchar(50)
destination : varchar(50)
stops : int(20)
halt_station : varchar(50)

swu-air from_to_intermediate
flight_id : int(11)
stn_code : varchar(6)

swu-air airports
stn_code : varchar(6)
airport_name : varchar(100)
city : varchar(50)

ประกอบด้วย 9 table

Table : Admin

username 🔑	varchar(50)
password	varchar(100)
admin_login_count 🔑	int(11)

Table : users

name	varchar(20)
email 🔑	varchar(50)
password	varchar(120)
login_count	int(255)

Table :from_to_intermediate

flight_id 🔑	int(11)
stn_code 🔑	varchar(6)

Table : flights

flight_id 🔑	int(11)
source	varchar(50)
destination	varchar(50)
stops	int(20)
halt_station	varchar(50)

Table : airports

stn_code 🔑	varchar(6)
airport_name	varchar(100)
city	varchar(50)

Table : books

booking_id 🔑	int(6)
email 🔑	varchar(100)
booking_name	varchar(50)
Age	int(11)
type_of_identification	varchar(50)
id_number	varchar(50)
phone_number	bigint(255)
class	varchar(50)
source	varchar(50)
destination	varchar(50)
halt_station	varchar(20)
plane_id1	varchar(20)
plane_id2	varchar(20)
total_fare	int(100)
anum	int(11)
cnum	int(11)
timestamp	timestamp
dtd1	datetime
dta1	datetime
dtd2	datetime
dta2	datetime

Table : planes

plane_id 🔑	varchar(50)
airlines	varchar(50)
total_economy_seats	int(11)
total_business_seats	int(11)
total_first_seats	int(11)

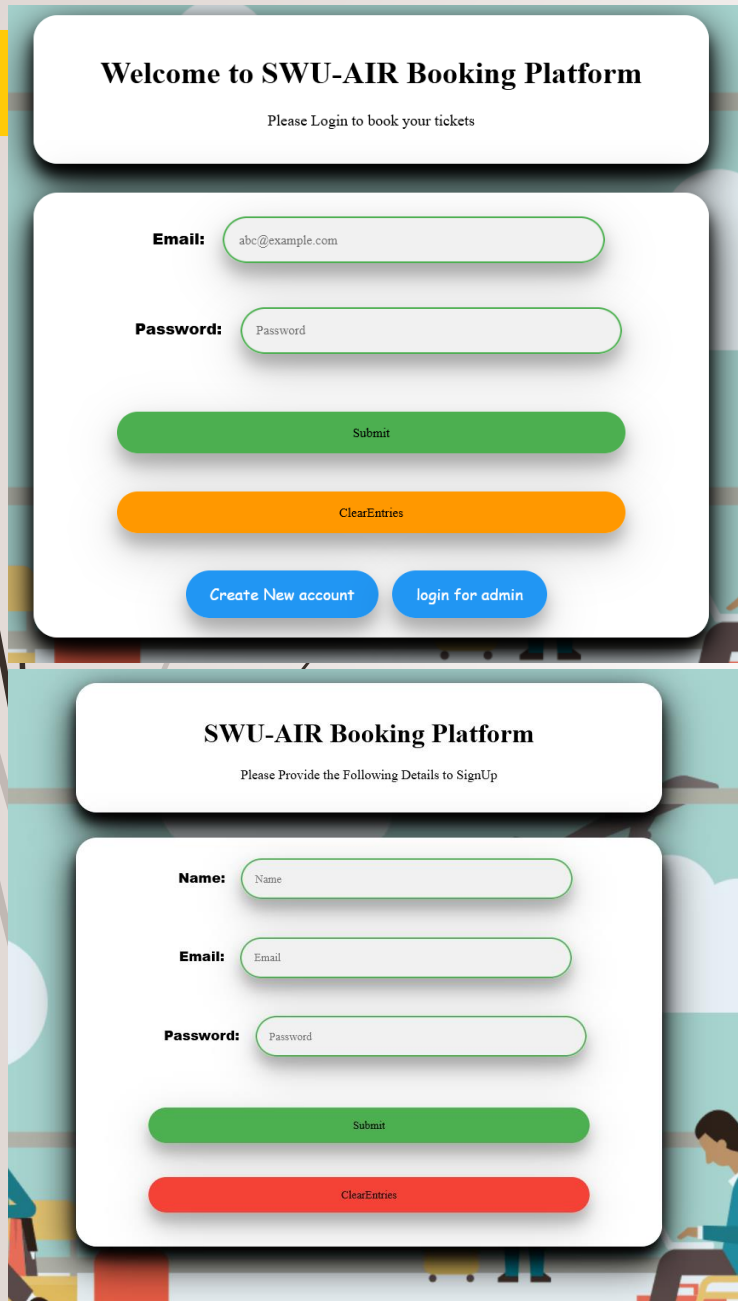
Table : has_booked_seats_in_plane

flight_id 🔑	int(11)
plane_id 🔑	varchar(50)
booked_economy_seats	int(11)
booked_business_seats	int(11)
booked_first_seats	int(11)

Table : taken_by_plane

flight_id 🔑	int(11)
plane_id 🔑	varchar(50)
path	int(10)
path_desc	varchar(100)
date_of_depart	date
time_of_depart	time
date_of_arrival	date
time_of_arrival	time
economy_fare	int(11)
business_fare	int(11)
first_fare	int(11)

ตัวอย่าง application



The image displays two user interface forms for the 'SWU-AIR Booking Platform'. The top form is the login page, featuring a title 'Welcome to SWU-AIR Booking Platform', a subtitle 'Please Login to book your tickets', and input fields for 'Email' (with placeholder 'abc@example.com') and 'Password' (with placeholder 'Password'). It includes a green 'Submit' button, an orange 'ClearEntries' button, and two blue buttons: 'Create New account' and 'login for admin'. The bottom form is the registration page, titled 'SWU-AIR Booking Platform' with the subtitle 'Please Provide the Following Details to SignUp'. It contains input fields for 'Name', 'Email', and 'Password' (all with placeholder text). It features a green 'Submit' button and a red 'ClearEntries' button. The background of the forms is a light blue and green pattern with a stylized illustration of a person sitting at a desk.

Welcome to SWU-AIR Booking Platform
Please Login to book your tickets

Email:

Password:

Submit

ClearEntries

Create New account **login for admin**

SWU-AIR Booking Platform
Please Provide the Following Details to SignUp

Name:

Email:

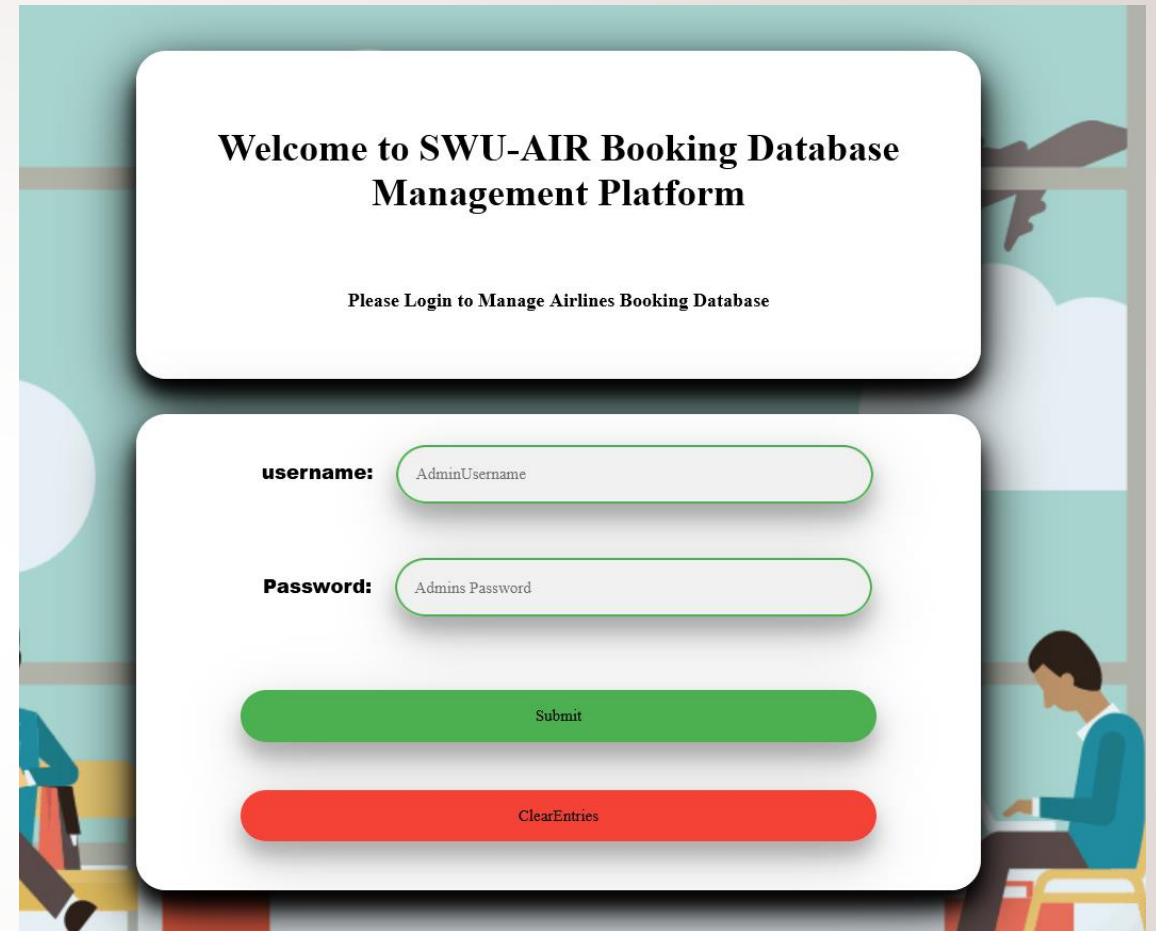
Password:

Submit

ClearEntries

หน้า login สำหรับ User

หน้าสมัครสมาชิกสำหรับ User



The image shows a login form for the 'SWU-AIR Booking Database Management Platform'. It has a title 'Welcome to SWU-AIR Booking Database Management Platform' and a subtitle 'Please Login to Manage Airlines Booking Database'. The form includes input fields for 'username:' (with placeholder 'AdminUsername') and 'Password:' (with placeholder 'Admins Password'). It features a green 'Submit' button and a red 'ClearEntries' button. The background is a light blue and green pattern with a stylized illustration of a person sitting at a desk.

Welcome to SWU-AIR Booking Database Management Platform
Please Login to Manage Airlines Booking Database

username:

Password:

Submit

ClearEntries

หน้า login สำหรับ Admin

SWU-AIR Database Management Platform
Manage Flights, Airports and Planes

Profile Home Manage Flights Manage Airports Manage Planes Manage Books

INSERT NEW PLANES

PlaneID:

AirLines Name:

Total Number of EconomyClass Seats:

Total Number of BusinessClass Seats:

Total Number of FirstClass Seats:

admin สามารถ
เพิ่ม / ลบ เครื่องบิน
และสนามบินได้

SWU-AIR Database Management Platform
Manage Flights, Airports and Planes

Profile Home Manage Flights Manage Airports Manage Planes Manage Books

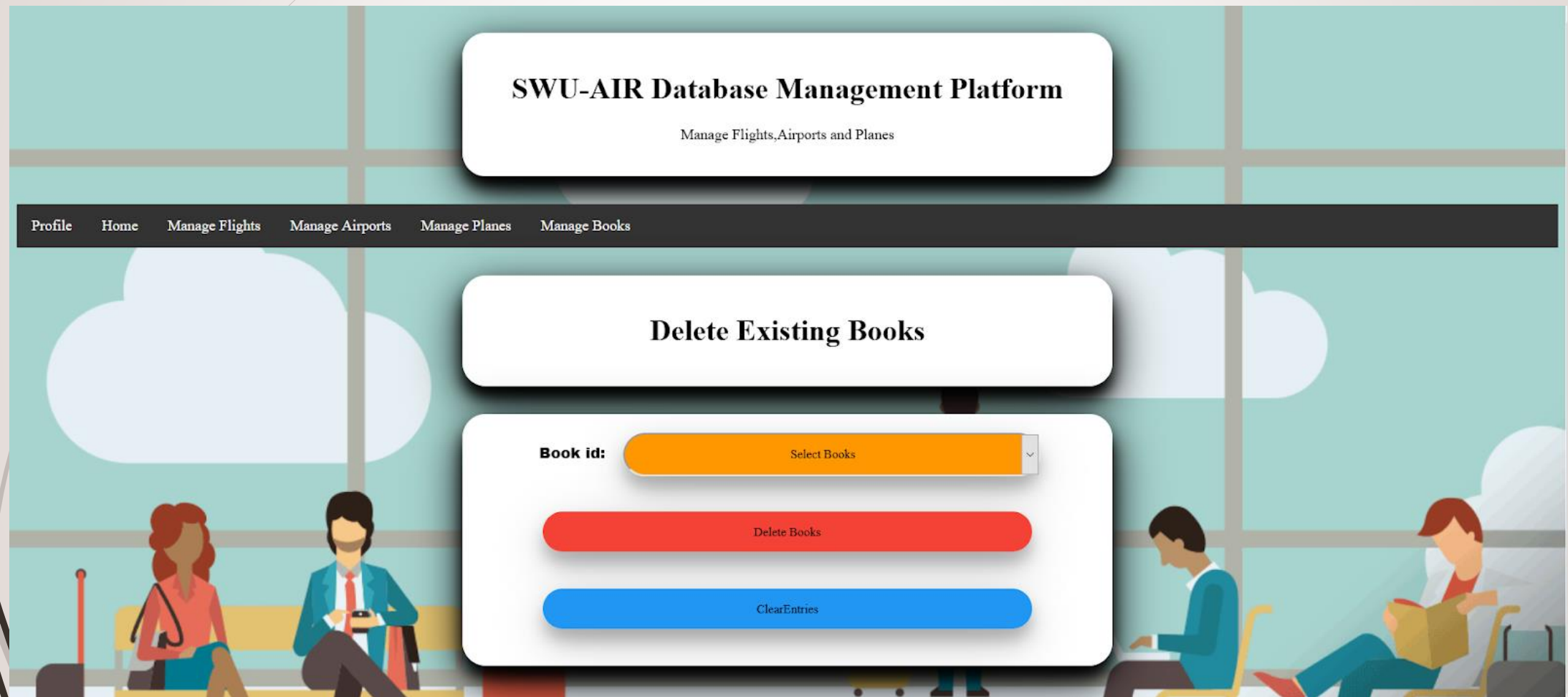
Enter New Airport Details

AirportCode:

AirportName:

City:

Manage Books ทำการลบตัวเครื่องบินที่ User จองไว้



SWU-AIR Booking Platform

Book Flight tickets and Keep track of your Booking History

Profile Home Book Flight Tickets Your Booking History

Plan Your Journey

Select Source Airport

Select Destination Airport

Economy Class

Date of Departure: 2021/04/26

Check Flights

Clear Entries

SWU-AIR Booking Platform

Book Flight tickets and Keep track of your Booking History

Profile Home Book Flight Tickets Your Booking History

Direct Flights from SWU-1 to SWU-2

flight_id	stops	plane_id	path	path_desc	Date_of_Depart	time_of_depart	Date_of_arrival	time_of_arrival	Class	Seats_Available	Price	BOOK_this_flights
90	0	SWU_plane1	0	Direct	2021-04-26	12:00:00	2021-04-27	11:11:00	business	20	12	Book

Indirect Flights from SWU-1 to SWU-2

flight_id	stops	plane_id	path	path_desc	Date_of_Depart	time_of_depart	Date_of_arrival	time_of_arrival	Class	Seats_Available	Price	BOOK_this_flights
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Passenger Details

BookingName: Name of the traveler

Choose Identification:

ID card

ID_Number:

Age:

PhoneNumber: 10 Digit Number

Number of Adults

Number of infants

Proceed to Pay

หน้าจองตัวเครื่องบิน

SWU-AIR Booking Platform

Book Flight tickets and Keep track of your Booking History

Profile Home Book Flight Tickets Your Booking History

Direct Flight from SWU-1 to SWU-2 on 2021-04-26 12:00:00

▼ รายละเอียด

Booking Number : 000056 Booking Name : Manapon Age : 20

Type of ID : IDcard IDcardNumber : 1103100683389 PhoneNumber:897691622

Class of Ticket : business

Plane from SWU-1 to SWU-2 : SWU_plane1

-----Date and Time of Depature 2021-04-26 12:00:00

-----Date and Time of Arrival 2021-04-27 11:11:00

Number of Adults : 1 Number of Infants : 0

Total Fare : 12

User สามารถดูประวัติการจองได้ใน Booking History



**Thank You
For Watching**