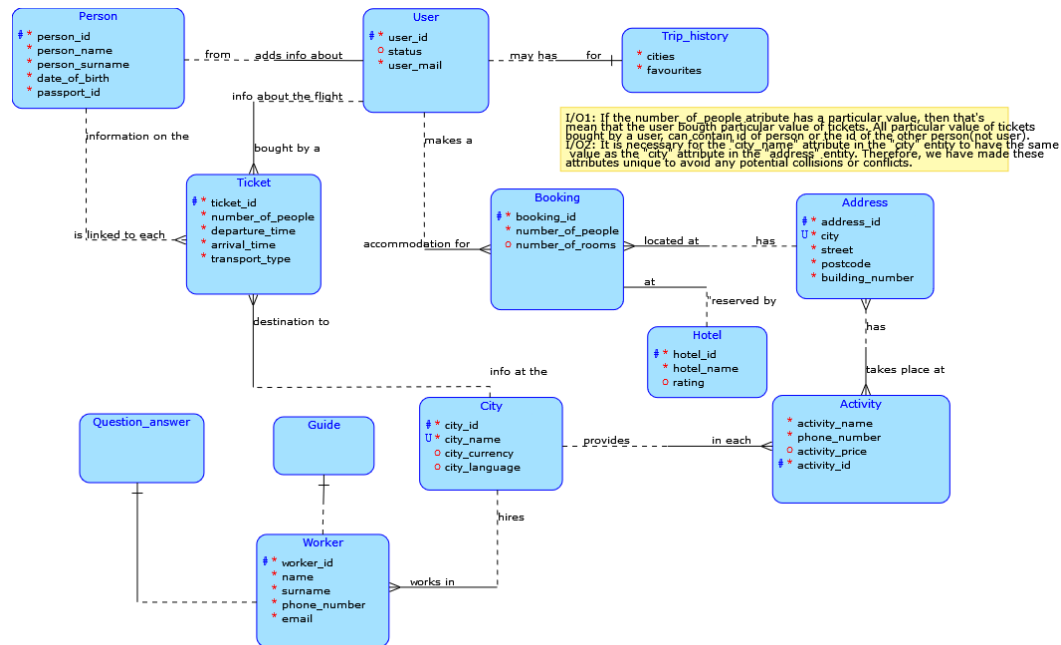# Travel Planning App

Description:

The travel planning application "Sapar" helps the user with buying tickets and booking. To register in the application, the user must enter his *email address*, after that user can choose his/her *status*. Each user will have access to his/her travel history, that contains information about *cities* user visited and *favourite cities* list . The user can buy several tickets at the same time, but the personal data of each person (*name, surname, date of birth, passport number*) must be filled. After purchase, the ticket will contain all the information related to the flight, i.e. the ticket will indicate the *number of people*, the*departure time*, the *arrival time* and the*transport type* on which the trip will be made. Booking entity provides the information about the *number of people* the hotel was booked for and *the number of rooms* will be available to the user, *hotel's name* and it's *rating* among other hotel will be available in hotel entity. The address of the booking in which the user moves will have the *city* in which he is located, the *post code* of the booking, the *street* and the *number of the building*. Basic information about the city, its *name*, the *currency* , as well as the *language* spoken in this city will be available. Each city has a worker who will be responsible for particular tasks. Worker's *name, surname, phone number and email* will be available for the additional information. Depending on your question you can either call Q/A for specific questions or you can call guide if you want a personal tour in city. The app will provide some tips and recommendations such as activity in each city. There are different *names of activities* of activities such as museums, theaters and various restaurants, each place is tied to its *price* and a *phone number* for consultation. Each activity has an address associated with it as well.

Conceptual Schema:

Person
- # * person_id
- * person_name
- * person_surname
- * date_of_birth
- * passport_id

from — adds info about

User
- # * user_id
- o status
- * user_mail

may has — for

Trip_history
- * cities
- * favourites

info about the flight

makes a

information on the

bought by a

is linked to each

Ticket
- # * ticket_id
- * number_of_people
- * departure_time
- * arrival_time
- * transport_type

accommodation for

Booking
- # * booking_id
- * number_of_people
- o number_of_rooms

located at — has

Address
- # * address_id
- U * city
- * street
- * postcode
- * building_number

at

reserved by

has

Hotel
- # * hotel_id
- * hotel_name
- o rating

takes place at

destination to

info at the

Question_answer

Guide

City
- # * city_id
- U * city_name
- o city_currency
- o city_language

provides — in each

Activity
- * activity_name
- * phone_number
- o activity_price
- # * activity_id

hires

Worker
- # * worker_id
- * name
- * surname
- * phone_number
- * email

works in

Relational Schema:

person
person_name	varchar(256)
person_surname	varchar(256)
date_of_birth	date
passport_id	integer
person_id	integer

user
person_id	integer
status	varchar(256)
user_mail	varchar(256)
user_id	integer

trip_history
cities	varchar(256)
favourites	varchar(256)
user_id	integer

ticket
city_id	integer
person_id	integer
user_id	integer
number_of_people	integer
departure_time	date
arrival_time	date
transport_type	varchar(256)
ticket_id	integer

booking
address_id	integer
hotel_id	integer
user_id	integer
number_of_people	integer
number_of_rooms	integer
booking_id	integer

address
city	varchar(256)
street	varchar(256)
postcode	integer
building_number	integer
address_id	integer

hotel
hotel_name	varchar(256)
rating	integer
hotel_id	integer

address_activity
| address_id | integer |
| activity_id | integer |

guide
| worker_id | integer |

question_answer
| worker_id | integer |

worker
city_id	integer
name	varchar(256)
surname	varchar(256)
phone_number	varchar(256)
email	varchar(256)
worker_id	integer

city
city_name	varchar(256)
city_currency	varchar(256)
city_language	varchar(256)
city_id	integer

activity
city_id	integer
activity_name	varchar(256)
phone_number	varchar(256)
activity_price	varchar(256)
activity_id	integer