C#.NET LAB: Grand Circus Trip Planner

NOTE: Points should be awarded for items that are written correctly in themselves, but don't actually work because other things are broken. There are a total of 10 points available for this lab.

Task: We're going to build a trip planner! Our first step is to design the database for our project. Follow the steps below to draw out your ER Diagram. You'll then create your database using queries in SSMS.

Your database should include the following tables:

1. **User** Table - should store contact information (address, phone number, DOB) and anything else you might find useful to know about the user.
2. **Passport** Table - will store specific passport information (like passport number, expiration date, address on passport)
3. **Trip** Table - should store information specific to a trip like budget, starting destination, ending destination, travel mode, start date, and end date.
4. **Hotel** Table - Include things like check-in and check-out dates, cost per night, contact information (address, phone number)
    a. A user should be able to plan to stay at more than one hotel on each trip. For instance, I want to stay at the Five-Star Grand Circus Hotel for one night of the trip and then go economy at the Grant Chirpus Hostel for the rest of the nights.

Each table should have its own unique Primary Key. Each of the SQL Relationships we talked about in class are represented between the tables-- 1:1, 1:M, M:M. Place the Foreign Keys accordingly.

1. This is a trip planning tool, so assume that a User can plan multiple trips at once.
2. Assume that there's not dual-citizenship in this trip planning app.
3. A user can plan for multiple hotel stays within one trip. A hotel booked by User1 can also be booked by User2.

Once you've finished designing your database and have your E-R Diagram drawn up, go ahead and write the SQL queries to create the database.

To submit your work, put the ER diagram and SQL queries in a folder and push that folder to its own GitHub repository. Post that repository link in the Lab Submission in the LMS.

E: 10-9 **M:** 6 - 8 **D:** 0 - 5