HABIB UNIVERSITY

Database Systems

CS/CE 355/373 Fall 2023

Instructor: Maria Samad

Design a Relational Database

Student 1: _____
Student 2: _____
Student 3: _____
Student 4: _____

Assume you have the following database systems:

- Bank Management System
- Airline Reservation System
- Inventory Management System

Choose any one of the above examples (or if you want, you can pick any other of your own choice as well), and design a relational database system for it with the following minimum requirements

1. Your DBS should at least have 3 tables/relations relevant to the chosen idea
2. Define Metadata for the relations (from part 1), by making sure there are at least 2 attributes in each table
3. Specify the ***key*** in each of the tables – remember, keys are fields with unique values that are used for accessing a particular record in each table
4. Create and populate the tables with at least 3 records by following the constraints, as specified in part 2
5. Define at least **ONE** master transaction for the chosen database, by specifying which data item is being accessed from which table – this is like writing a query, but as we don't know the syntax yet, so use simple statements to explain