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CS1555

PittAirways Project Limitations

1. The design of the database for this project is not ideal because many data types are varchars when what they contain are numbers. Other data types are also not ideal such as the schedule for flights.
2. The project calls for two menus for the administrator and for the customer but there is nowhere to store authentication. As such a customer could log in as an administrator and wreak havoc on the entire system by deleting the entire database. Ideally there would be login forms both for administrator and for customers. The customers should each have their own accounts such that it is impossible for one customer to view information on other customer’s reservations. This is a huge breach of privacy and in a real world situation would be unacceptable.
3. We ran out of time when using prepared statements. A few queries have the variables concatenated right in, leaving those methods open to SQL injections.
4. We were unable to handle the concurrency problem of two people making a reservation at the same time, as well as any other present concurrency problems.