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CS166
Sec: 022

Phase 2 Report

Based off of the specifications for the project, I made multiple assumptions during the design process for Phase 2 when creating the tables:

- For the ISA, I made 3 separate tables to reference the Reservation entity, and I assumed that users will be inserted into one of the following three: waitlist, reserved, or confirmed. Once they are inserted into either of these 3 entities, then they will be ultimately inserted in the Reservation table to avoid accidentally adding the same customer to multiple waitlist, reserved, or confirmed tables.
- I also assumed that we did not need to use triggers for the key constraints and that we would be able to represent the ER diagrams without them.
- I also assumed that the plane and technician must be present in order for a pilot to make a maintenance request due to them being an aggregate. Thus, resulting in my design choice when deciding what action to perform on the keys in regards to cascading or no action upon a delete.
- I assume the user will pipe the file in twice so that errors from tables not existing can be ignored from the first pipe.