**DB Project Notes**

Make a reservation:

The search for all the flights selected is stored in a temporary table that we will call ‘Displayed\_Flights’ (haven’t done this yet, happens later)

First, user inputs:

|  |  |
| --- | --- |
| **Input (variable)** | **Type** |
| Flight type (round, one way etc.) | **Varchar()** |
| Direct or Indirect | **Varchar()** |
| Departure airport | **Varchar(3)** |
| Destination airport | **Varchar(3)** |
| Depart date | **Datetime** |
| Arrival/Destination date | **Datetime** |
| Seat class | **Varchar(1)** |
| Flexibility | **Flexible/Not Flexible** |

Get the Flights\_Info query from those specific things the user wants:

\*\*Before this query is made, have to insert the correct fare

Create temporary table if not exists Flight\_Info

SELECT

fo.airline\_id, fo.flight\_number, fo.depart\_time, fo.arrival\_time,

fo.departure\_airport, fo.destination\_airport,

t.booking\_fee + fo.“(the correct fare whether that be economy or whatever based on the seat class)” as 'total price',

hs.seat\_class

FROM Flight\_Operates fo join (Tickets t, Has\_Seats hs)

ON fo.aircraft\_id = t.aircraft\_id and hs.aircraft\_id = t.aircraft\_id

WHERE ….. (all the things they requested)

\*\* now start the reserving

first create a ticket, if possible:

if possible…

then, once ticket is created:

add an entry to the reserves table of that ticket

if not possible…

\*\*ask if they would like to be added to the wait list\*\*

Waitlist: account# and flight#

* If someone drops a flight, then swap ids

if yes

add them to waitlist

if no

do nothing

1. join Flight\_Operates, Tickets and Has\_Seats on aircraft\_id (the common attribute between all of them
2. Get the class of seat and store it into a java variable
   1. Retrieve the correct flight price, from Flight Operates, for the seat class that has been filtered by
   2. Update/assign ticket price as the price of the ticket (based on the class from flight operates), then update the Flight\_Info table with that price … before this table is to be displayed to the user
   3. Now, display this table to the user -> it now has the accurate information for the user to see

* Once a user has clicked ‘reserve’ (on a certain row), here is what needs to happen:
  + We have to create the ticket
    - We take the following information from the flight that they have selected to create a new ticket:
      * aircraft\_id (Flight\_Operates)
      * airline\_id (Flight\_Info)
      * airport\_id (Flight\_Operates)
      * flight\_number (Flight\_Info)
      * ticket\_number generate it
  + Then we have to make the reservation
    - If possible, create the reservation
      * (Query)
    - If not possible, ask if they would like to be added to the waitlist
      * (Query)
      * If they do want to be added then add them
        + (Query)
      * If they do not want to be added, then do nothing