

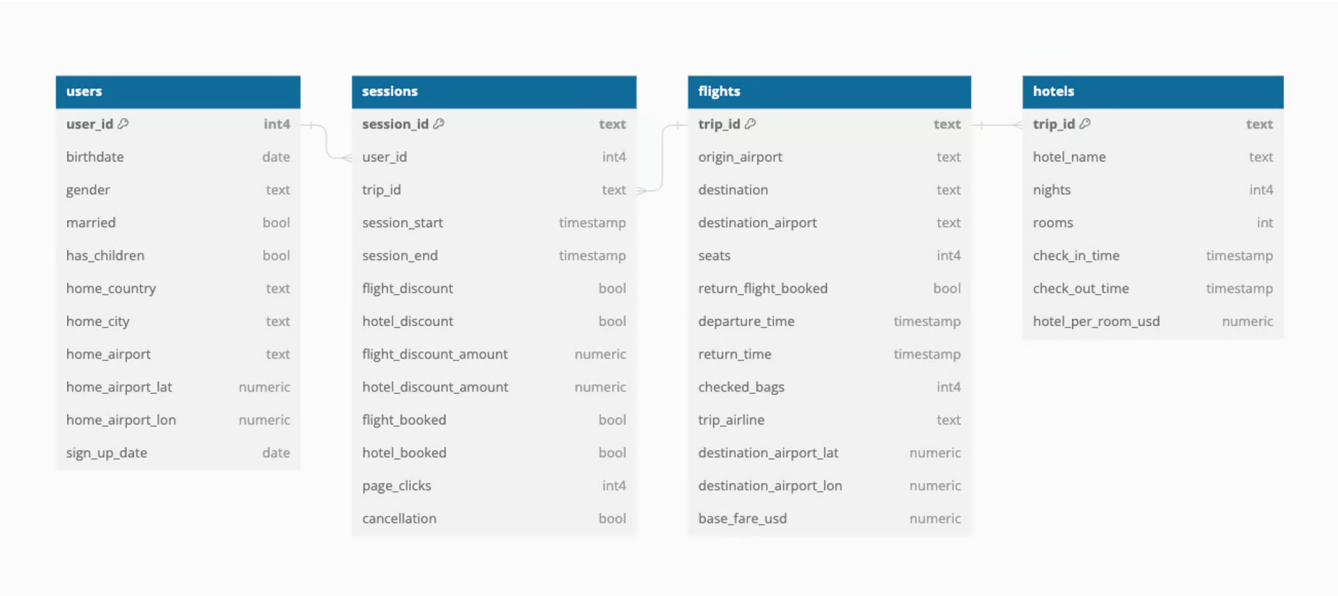


TravelTide DB

Connection String

 `postgresql://Test:bQNxVzJL4g6u@ep-noisy-flower-846766.us-east-2.aws.neon.tech/TravelTide?sslmode=require`

Entity Relationship Diagram (ERD)



Data Dictionary

- **users:** user demographic information
 - **user_id:** unique user ID (key, int)
 - **birthdate:** user date of birth (date)
 - **gender:** user gender (text)
 - **married:** user marriage status (bool)
 - **has_children:** whether or not the user has children (bool)
 - **home_country:** user's resident country (text)
 - **home_city:** user's resident city (text)
 - **home_airport:** user's preferred hometown airport (text)
 - **home_airport_lat:** geographical north-south position of home airport (numeric)
 - **home_airport_lon:** geographical east-west position of home airport (numeric)
 - **sign_up_date:** date of TravelTide account creation (date)

- **sessions:** information about individual browsing sessions (note: only sessions with at least 2 clicks are included)
 - **session_id:** unique browsing session ID (key, text)
 - **user_id:** the user ID (foreign key, int)
 - **trip_id:** ID mapped to flight and hotel bookings (foreign key, text)
 - **session_start:** time of browsing session start (timestamp)
 - **session_end:** time of browsing session end (timestamp)
 - **flight_discount:** whether or not flight discount was offered (bool)
 - **hotel_discount:** whether or not hotel discount was offered (bool)
 - **flight_discount_amount:** percentage off base fare (numeric)
 - **hotel_discount_amount:** percentage off base night rate (numeric)
 - **flight_booked:** whether or not flight was booked (bool)
 - **hotel_booked:** whether or not hotel was booked (bool)
 - **page_clicks:** number of page clicks during browsing session (int)
 - **cancellation:** whether or not the purpose of the session was to cancel a trip (bool)

- **flights:** information about purchased flights

- **trip_id**: unique trip ID (key, text)
 - **origin_airport**: user's home airport (text)
 - **destination**: destination city (text)
 - **destination_airport**: airport in destination city (text)
 - **seats**: number of seats booked (int)
 - **return_flight_booked**: whether or not a return flight was booked (bool)
 - **departure_time**: time of departure from origin airport (timestamp)
 - **return_time**: time of return to origin airport (timestamp)
 - **checked_bags**: number of checked bags (int)
 - **trip_airline**: airline taking user from origin to destination (text)
 - **destination_airport_lat**: geographical north-south position of destination airport (numeric)
 - **destination_airport_lon**: geographical east-west position of destination airport (numeric)
 - **base_fare_usd**: pre-discount price of airfare (numeric)
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- **hotels**: information about purchased hotel stays
 - **trip_id**: unique trip ID (key, text)
 - **hotel_name**: hotel brand name (text)
 - **rooms**: number of rooms booked with hotel (int)
 - **check_in_time**: time user hotel stay begins (timestamp)
 - **check_out_time**: time user hotel stay ends (timestamp)
 - **hotel_per_room_usd**: pre discount price of hotel stay (numeric)