**Parker Broadnax**

**Little Lemon database schema**

**Database Engineering**

Table: Products

- product\_id (int, PK)

- name (varchar)

- price (decimal)

- quantity (int)

Table: Bookings

- booking\_id (int, PK)

- product\_id (int, FK to Products)

- customer\_name (varchar)

- customer\_email (varchar)

- date\_booked (date)

- quantity\_booked (int)

- status (varchar)

Procedure: GetMaxQuantity()

- Input: product\_id (int)

- Output: max\_quantity (int)

- Description: Returns the maximum quantity available for a given product.

Procedure: ManageBooking()

- Input: booking\_id (int)

- Output: None

- Description: Changes the status of a booking to "in progress".

Procedure: UpdateBooking()

- Input: booking\_id (int), quantity\_booked (int)

- Output: None

- Description: Updates the quantity booked for a given booking.

Procedure: AddBooking()

- Input: product\_id (int), customer\_name (varchar), customer\_email (varchar), date\_booked (date), quantity\_booked (int)

- Output: booking\_id (int)

- Description: Adds a new booking to the database and returns the booking ID.

Procedure: CancelBooking()

- Input: booking\_id (int)

- Output: None

- Description: Cancels a booking and updates its status to "cancelled"