

## DeToSa Boutique

Our software application uses a database for a bridal gown rental boutique. The software keeps track of the boutique's gowns and clients. This allows the owner to keep track of upcoming appointments, which gowns are available, which gowns are being rented, and when rented gowns will be returned.

We created a database using MySQL and a UI using Javascript. UI is connected to the database with a web API using Flask and Python. We have three tables in our database namely Customers, Dresses, and Reservations, all of them are in 3rd Normal Form. The schemas and ER diagram of which are seen below.

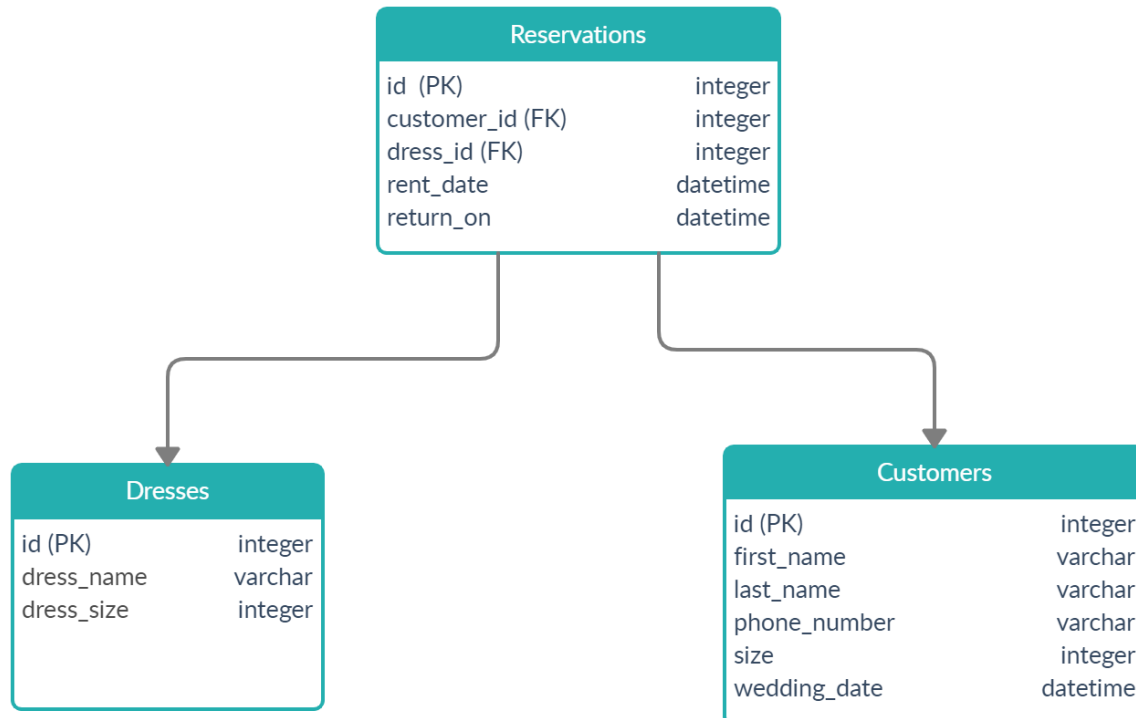
Once the UI is run, the user can create a new customer or a dress by entering the information needed. New reservations can also be created entering the customer id, dress id and rent date information. Similarly, a reserved dress can be returned by giving the reservation id and return date information. The app allows the user to see all the customers, reservations, or dresses. It also provides a filtering bar for dresses to see which ones are available and which ones are rented currently.

### Schemas

Customers (id, first\_name, last\_name, phone\_number, size, wedding date)

Dresses (id, dress\_name, dress\_size)

Reservations (id, customer\_id : Customers.id , dress\_id : Dresses.id, rent\_date, return\_on)



Sami Ali  
Tova Schwartz  
Nur Deniz Turhan

ER Diagram

