

Project Features List

FUNCTIONAL - USER SIDE

1. Table Status Information
 - a. Tracks the statuses of tables for the management and consumer.
2. Restaurant Information
 - a. Stores name, location, size, phone, url, specials, hours, holidays
 - i. The application should store and display Restaurant Information for use by managers and employees for quick reference.
 1. Store - on database - edit function
 2. Display - web app
 3. Quick - instant access from other pages
3. Floor Layout
 - a. Grid layout with click and draggable tables for management to setup the layout of their restaurant floor and tables.
4. Bill Tracking
 - a. Track orders per table and calculate the final bill with tax.
5. Employee Tracking / Manager in charge
 - a. Tracks which employees are in and the manager on a timesheet.

NON-FUNCTIONAL - DEV SIDE

1. Database Querying
 - a. Ability to query database from UI
2. Onclick/Ondrag logic
 - a. Javascript functions to handle a user's clicks correctly based on the component
3. Information Storing
 - a. Database contains employee, customer, product, table information
4. Hashed Login Process
 - a. Hash passwords with secure algorithm before checking against hashed PWs in a database. Some kind of encryption we haven't decided on yet.
5. AWS
 - a. Hosting the website.
6. Grid/Matrix for UI
 - a. Layout capable of working with the draggable functions for moving tables

Features Completed:

1. Basic homepage, login page, and header for basic website navigation.
2. Tables for backend servers (SQL).
3. Backend integration with frontend (basic).
4. React app set up
5. Began looking into and setting up AWS infrastructure for webapp.

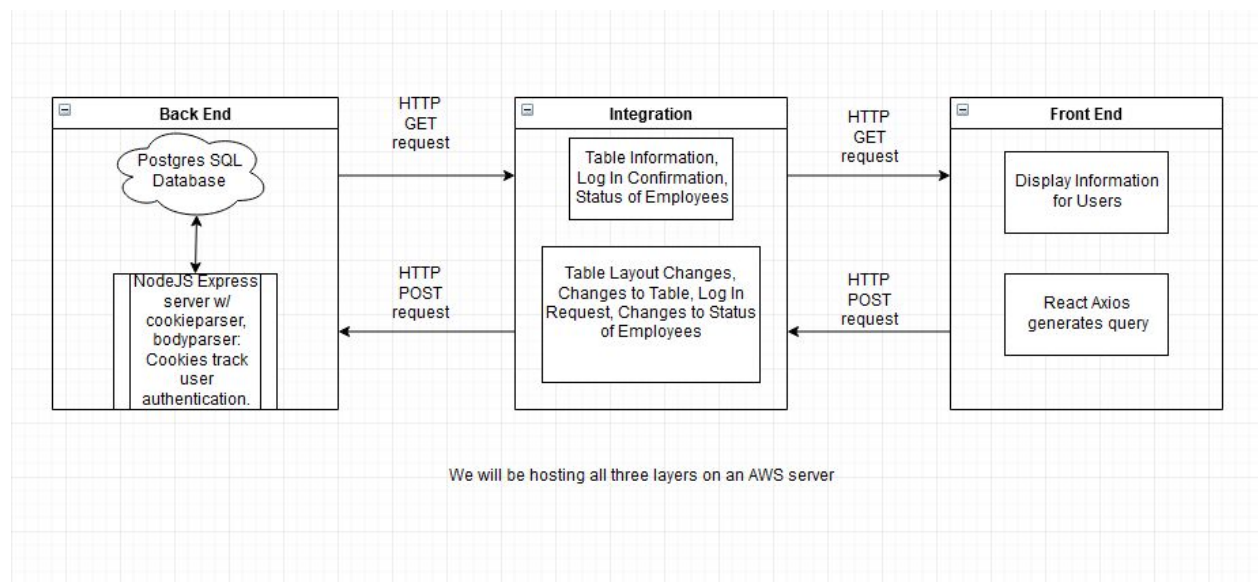
Issues faced during development:

1. Determining what we wanted to pick for things like website and backend integration.
2. Obsoleted functions/features in tutorials causing need for searching modern equivalents.

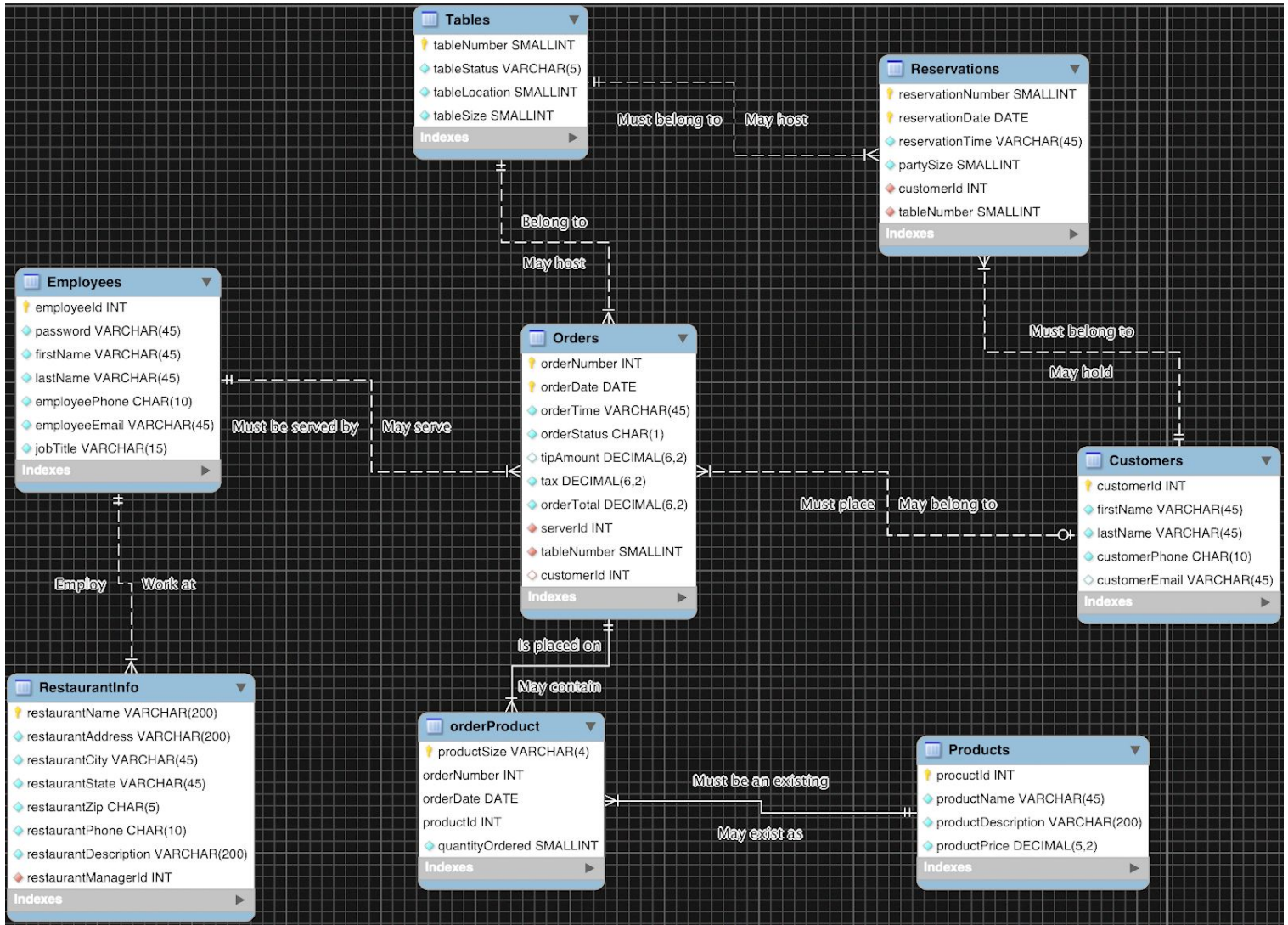
Suggestions Offered by TA:

1. Draggable Matrix for our floor layout will likely be the hardest part of our web app, so be careful.
2. Create a product demo that can show information first then go on to more advanced features (create barebones features first and work off of those).

Architecture Diagram



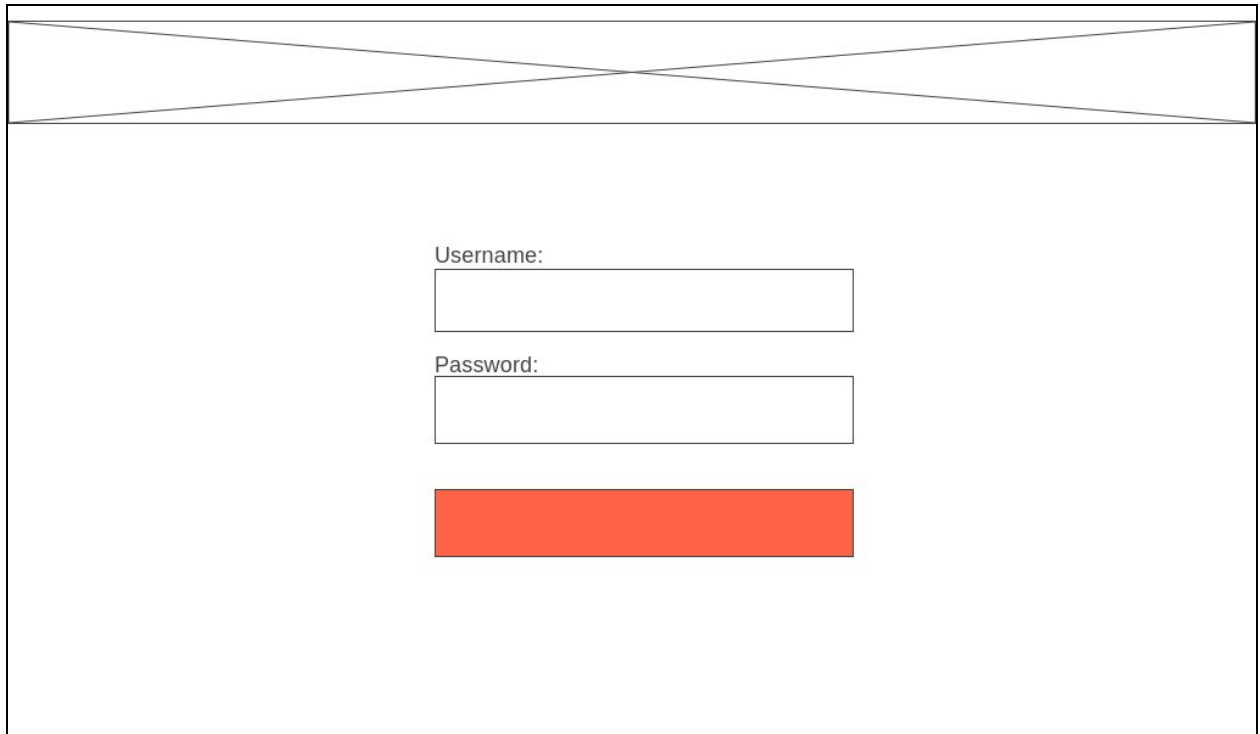
Database Design



- DBMS Technology: PostgreSQL

Front End Design

Login Page Wireframe



A wireframe for a login page. It features a header area at the top, crossed out with a large 'X'. Below the header, the page is mostly blank, with a central form area. The form consists of three elements: a label 'Username:' followed by a text input field, a label 'Password:' followed by a text input field, and a solid red rectangular button below the password field.

Username:

Password:

Home Page Wireframe

