Übeer Design Document

Abstract

Ubeer is an application that will make ordering at bars much quicker and easier by providing an interface for customers to order from their phone and receive notifications when their drinks are ready at the bar. It is similar to uber eats or Doordash with the exception that customers are already at the bar but will no longer need to crowd the bar constantly to just get their order placed.

This web application will be the business side of the app that will handle orders from customers, track orders made and maintain a log of transactions. It will employ user authentication as well as tracking which location that user works for by limiting database access to specific tables.

Glossary

Business – also referred to as Client or Employee side

Customer – patrons of bars

APIs

Data Storage

The data will be stored in the postgres SQL database that is provided by supabase by default. This is the best solution for the current problem as the data can be stored very well in a RDBMS.

ER diagramDiagram

Description automatically generated

Authentication

As seen in the ER diagram, the data will be grabbwd from Passwords. The authentication process will be done using supabase’s built-in auth functionality and the password will be stored and hashed using Bcrypt.

Design

Important design choices are that this will be used by bartenders at bars and this means alcohol is involved.

Functionality

There will be multiple webpages each controlling a different functionality.

The pages include but will not be limited to: a page controlling menu & specials including prices for the particular bar. A log all sales in a database and show table when loaded by query data subsets for the specific business. A login page that redirects to specific data for each business for each bar. Order handling page, confirm and notify + log sales into mentioned table this page will also include buttons to finish or refund orders. Each component will essentially as

Accessibility

The main accessibility issues will be that the website will need to be straightforward and legible specially to expedite the process. The font sizes will be larger than normal and black and white contrast will be used in order to make the website much clearer. Blue will be used to highlight all clickable components.

Mockups

While the main use will be on computers for bars, the website will be accessible for phone users.

Computer

Graphical user interface, text, application

Description automatically generated

**Login**. *Black and grey theme with blue accents.* This will be the general theme easy to read and keep organized.

Graphical user interface

Description automatically generated

**Main Screen** *The page user will arrive at once logging in.* Blue underlined components are links to their respective pages. Menu will be automatically generated based on restaurant data. Display the first 6, if there are not 6 menu items a default “item” will appear with just a shadow in place.

Graphical user interface, application

Description automatically generated

iPhone

The website will be organized vertically with each component.

The components will each take the user information that includes the bar which will allow the loading of the menu and log. The components are the financial page, the subscription page, the login/out page, the page of orders to be completed, the log. This may have the functionality to select by specific attribute of the table. And finally, the menu page.