## What is Dyno-Dash?

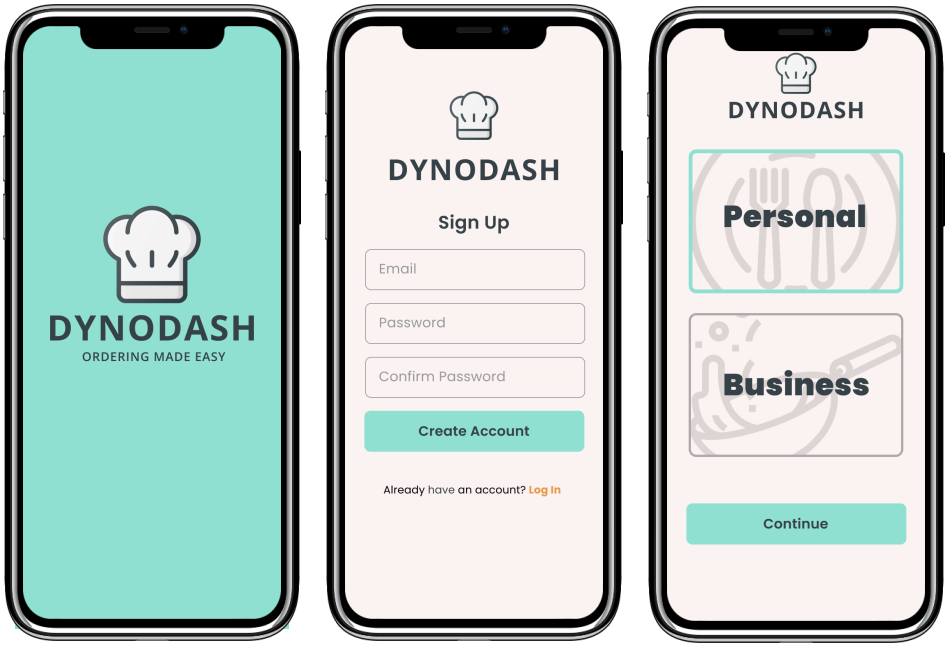
My proposal is an app that manages food orders inside a restaurant. Customers can scan a QR code or enter a code specific to the restaurant, view the menu, select what they would like to order and then send that order to the kitchen. The kitchen can then see the order and fulfil it.

## Motivations

- Plenty of large companies have this service in this place, requiring their customers to have several apps on their phone. What if this service could be unified into one app?
- Companies of a small and medium size can not afford to develop an inhouse solution to this, the app aims at being useful by restaurants of any size.
- The restaurant can either let the customers use the app, or let the app assist the waiters when taking orders.

Notifications will be sent to the kitchen device when an order is made, likewise the customer device will receive a notification when their order has been completed.

The UX designs below (made with Figma) demonstrate how the app will work.




When the user first uses the app, they are instructed to create an account. Upon entering a valid email username and password, they choose between making a personal account or business account.

When creating a personal account, they are directed to the customer dashboard. Every time they now login, they will be directed to the customer dashboard. If they create a business account, they will have to enter their business name, description and location. From there, they will be directed to the business dashboard.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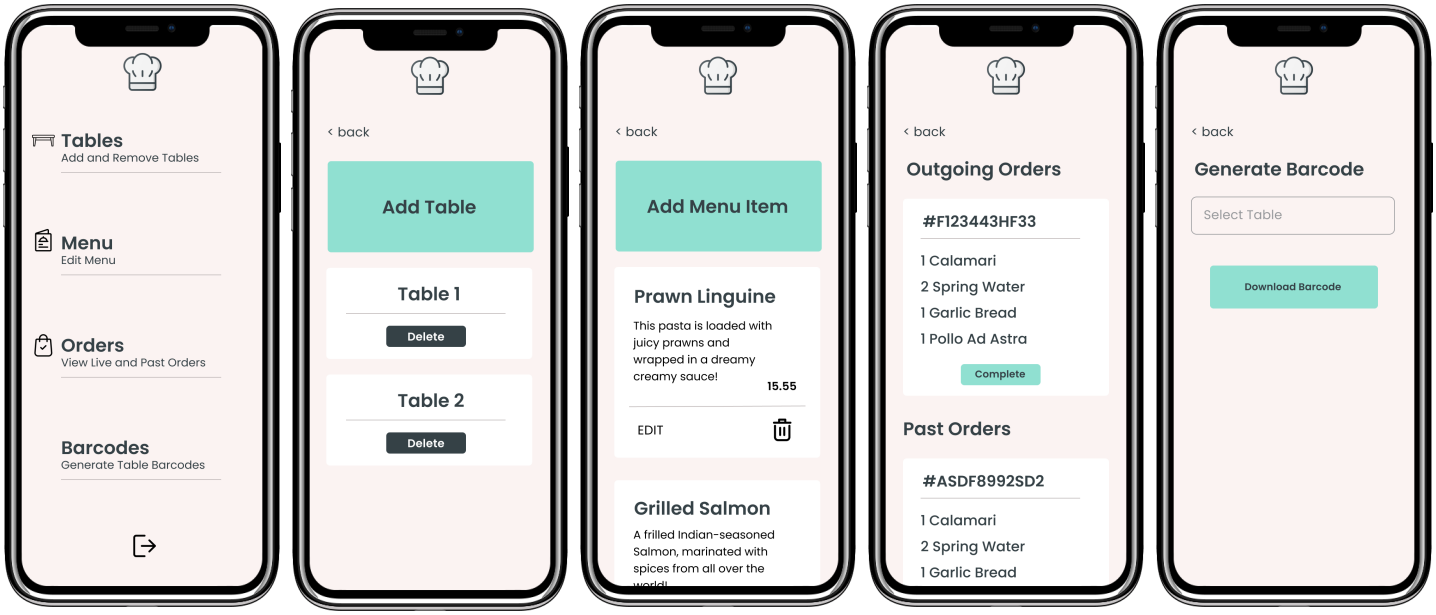
Below are the business owner frames.

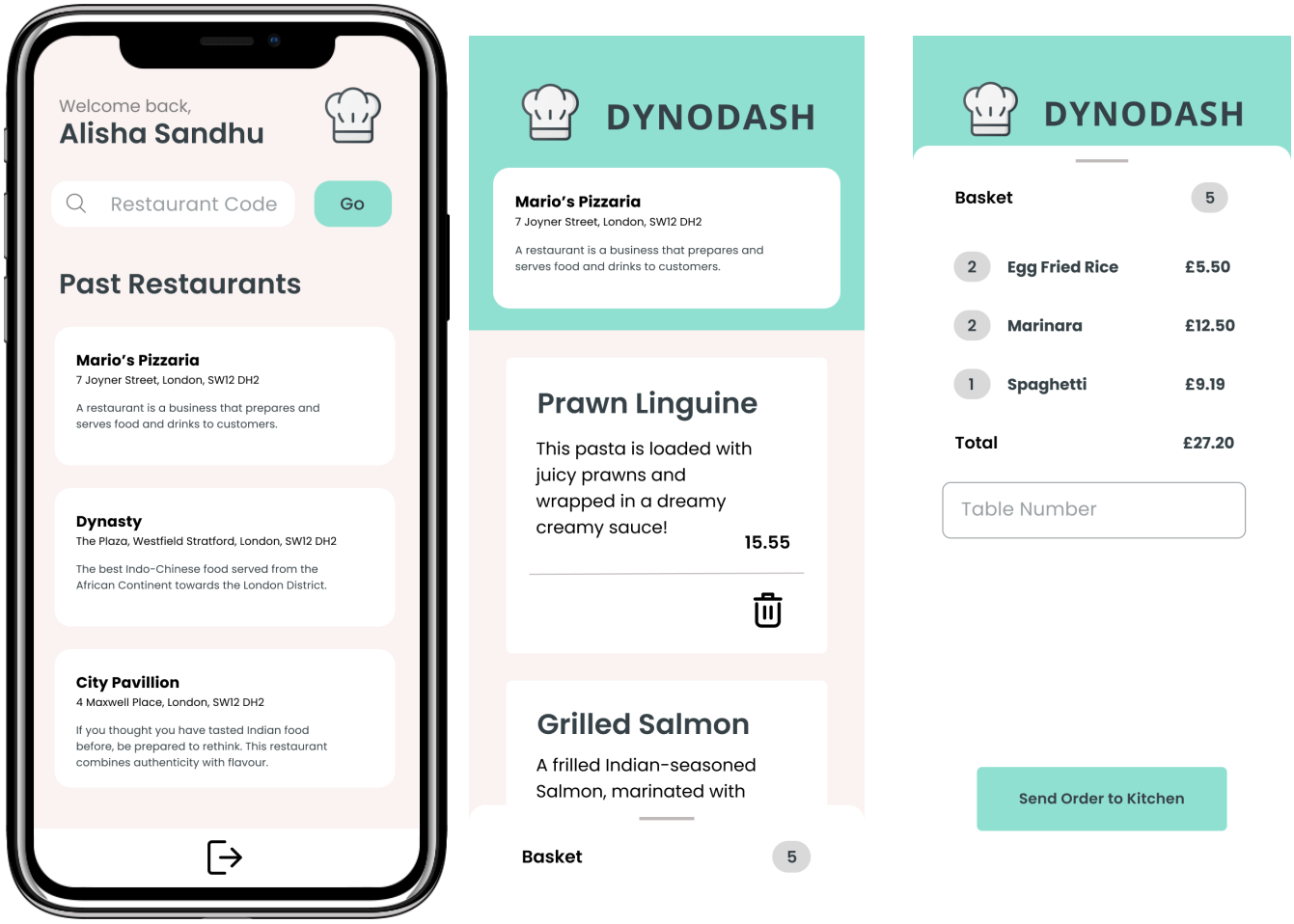



The first frame demonstrates all the available options to the business owner. The adjacent slides show the pages corresponding to these options.

- The owner can add and delete tables depending on how many tables they have in their restaurant.
- The owner can add to, edit and delete from the menu. Each menu item contains the name, description and price.
- The owner can view all orders, whether they are outgoing (to be completed) and past (completed) orders. Each order has a unique ID. Once an order becomes complete, the customer is notified.
- The owner can select a table and generate the barcode for this table and download it. The idea is that the owner can print the barcodes out and stick them to their respective tables, so that customers scan the barcode and are immediately taken to the menu.

The button at the bottom allows the owner to log out.

Below are the customer account-types frames.




The first frame shows the customer dashboard, the page they are directed to when they log in. They can input the restaurant code at the top, if they don't scan the barcode. Below the search bar the customer can see the past restaurants they have ordered at. This is useful as it means they don't have to enter the code or scan the barcode every time.

When they enter a valid code, they are taken to the middle slide, the menu. Here they select and order the items they would like to add to the basket. There is a navbar drawer at the bottom which can be swiped up, as shown in the third frame. This shows their order before they place it. They are shown the final price, and prompted to enter a table number. If they scanned the barcode, then the table number will already be filled in. Once everything checks out, they send the order to the kitchen. Once an order is sent, the kitchen device / business owner is notified of a new order to fulfil.