How to PLAN a New App.

# Customer – Fast React Pizza Co.

* The pizza guys from our first project
* They want a simple way of allowing customers to **order pizza and get them delivered** to their home
* We are hired to build the application front-end

### From the ‘Thinking in React’ lesson, we had the initial 3 steps

### Break the desired UI into Components

### Build a static version (no state yet)

### Think about state management + data flow

### These steps work for small applications, but for a big, real-world application, we need to expand on the process

STEPS

## Gather application requirements and features

## Divide the application into pages

### Think about the **overall** and **page-level** UI

### Break the desired UI into components

### Design and build a static version (no state yet)

## Divide the application into feature categories

### Think about state management + data flow

## Decide which libraries we want to use (technology decisions)

Steps 1 by 1

# Project Requirements from the Business

* Very simple application, where users can order **one or more pizza from a menu**
* Requires **no user account and no login**: users just input their names before using the app
* The pizza menu can change, so it should be **loaded from an API** (already done – backend done)
* Users can add multiple pizzas to a **cart** before ordering
* Ordering requires
  + User’s name
  + Phone number
  + Address
* If possible, **GPS location** should also be provided, to make delivery easier
* Users should be able to **mark their orders as priority**, for an additional 20% of the cart price
* Orders are made by **sending a POST request** with the order data to the API
  + User data
  + Selected pizzas
* Payments are made on delivery, **no payment processing**
* Each order will get a **unique ID** that should be displayed, so the **user can later look up their order** based on the ID
  + API call based on ID
* The order can be **marked as “priority” even after the order has been placed**

# Features + Pages

* From the Requirements we can develop further and plan out what pages and features we need to implement