JACE

Collaborators

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In today's fast-paced, technology-driven world, traditional physical menus are becoming a hindrance to both consumers and restaurants, slowing down efficiency and creating a less seamless dining experience (save for fine dining). The need for a solution that allows customers to effortlessly order, pay, and access relevant information is more apparent than ever. This concept already exists in some capacity, in establishments like sushi and KBBQ restaurants, proving the value of modernizing the dining process.

JACE, also known as Javascript And Croissant Express, is a powerful full-stack web application that provides restaurants with a complete solution for managing in-house orders, customer authentication, order history, and payment processing. With JACE, restaurant owners can easily utilize a front-end interface for their customers to place orders, as well as track the status of orders in the kitchen, pulling information from data stored in the server. Whether you're a small cafe or a large restaurant chain, JACE can help you streamline your operations and provide your customers with a streamlined ordering experience.

Pros

- Efficient and convenient service
- Easy to use platform
- Fits the current needs for a variety of restaurant types (fast food, breakfast, etc)
- Can be styled to the needs of almost any brand, if used as a template

Cons

- Requires an account to operate
- Does not work for some restaurants (modernizing does not fit the theme of every restaurant)
- Styling for other brands/chains still requires a lot of manual work, as does replacing the current menu items

User Story

AS A customer,
I WANT TO be able to see the menu and pay for my order online,
SO THAT I can have an quick and efficient experience without grabbing the server’s attention

AS A cook and server,
I WANT TO see customer’s orders when they pay for their order,
SO THAT I can update the customers on the status of their order

Tasks

Cezar

- Back-end creation
- Heroku Deployment
- Incorporated Apollo Server & GraphQL
- Helped with user-end react component creation/modification
- Kitchen-end react component creation/modification

Joshua

- User-end react component creation/modification
- Helped with back-end creation
- Helped with front-end styling (responsive)
- README creation
- Helped with slide creation

Anthony

- PWA creation
- Helped with README
- QR code creation
- Helped with slide creation

Esther

- Wireframe design
- Front-end styling (responsive)
- Seed information
- Icon and logo creation
- Helped with slide creation

Technologies Used

- MERN stack
  - Basic foundation of application
- GraphQL and Apollo Server
  - Queries & Mutations
- Email.js
  - Contact form & sending customers receipts
- QR code
  - Connect in-house users to their orders (through table route)
- Stripe
  - Processing payments

Success

- Functional full-stack application
- Fully responsive, native CSS styling
- Functional QR code implementation
- EmailJS implementation for contact and receipts
- Merging of GitHub branches

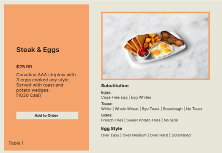
Challenges

- Heroku deployment
- Service Worker connection
- Package version changes
- EmailJS and destructuring objects and formatting issue (mostly fixed)
- Lots of features, not a lot of time!

Wireframe

User-side

Desktop



Steak & Eggs

$25.99

Canadian AAA striploin with 3 eggs cooked any style. Served with toast and potato wedges.
[1030 Cals]

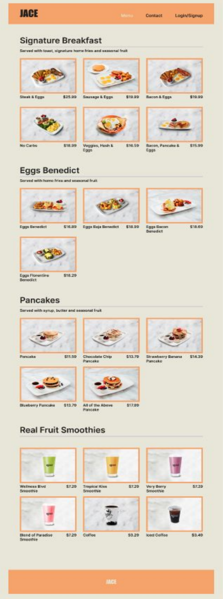
Substitution

Eggs:
Cage Free Egg | Egg Whites

Toast:
White | Whole Wheat | Rye Toast | Sourdough | No Toast

Sides:
French Fries | Sweet Potato Fries | No Side

Egg Style
Over Easy | Over Medium | Over Hard | Scrambled



Signature Breakfast

Served with toast, signature home fries and seasonal fruit

Steak & Eggs	$25.99
Sausage & Eggs	$19.99
Bacon & Eggs	$19.99
No Carbs	$18.99
Veggies, Hash & Eggs	$16.59
Bacon, Pancake & Eggs	$15.99

Eggs Benedict

Served with home fries and seasonal fruit

Eggs Benedict	$16.89
Eggs Baja Benedict	$18.99
Eggs Bacon Benedict	$18.69
Eggs Florentine Benedict	$18.29

Pancakes

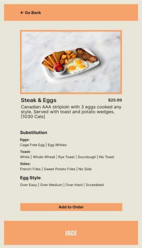
Served with syrup, butter and seasonal fruit

Pancake	$11.59
Chocolate Chip Pancake	$13.79
Strawberry Banana Pancake	$14.39
Blueberry Pancake	$13.79
All of the Above Pancake	$17.89

Real Fruit Smoothies

Wellness Blvd Smoothie	$7.29
Tropical Kiss Smoothie	$7.29
Very Berry Smoothie	$7.29
Blend of Paradise Smoothie	$7.29
Coffee	$3.29
Iced Coffee	$3.49

Tablet



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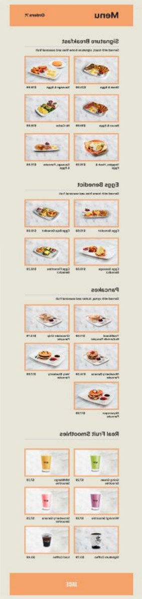
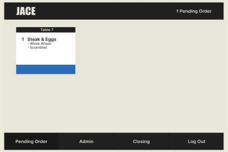
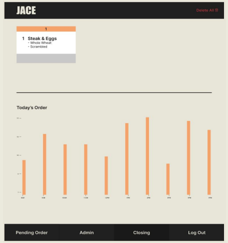


Phone

Kitchen-side



1 Steak & Eggs
- Whole Wheat
- Scrambled



1 Steak & Eggs
- Whole Wheat
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Demo Activity

✋ We need 4 volunteers! ✋

Volunteer 1

Volunteer 2

Volunteer 3

Volunteer 4

Demo

Future Development

- User-side (at-home)
    - Implement pro-consumer features like reserving a table at a certain time, favoriting menu items, ratings and reviews, etc.
- User-side (in-house)
    - Integrate an order status using ProgressBar,js, Simple-ETA, etc.
    - Add more detail regarding seed information to include ingredients, major food allergens, etc.
    - Implement substitution checkbox for sides, sauces, etc.
    - Add comment section at checkout for direct messages to the kitchen
    - Pay-at-the-end option for users to order multiple times then, pay at the end
- Kitchen-side
    - Integrate a graph showing revenue, items sold/hour, etc. using Graph.js

Links

Heroku

(at-home use) https://jace1971.herokuapp.com/
(in-house use) https://jace1971.herokuapp.com/tables/1
(kitchen use) https://jace1971.herokuapp.com/admin

GitHub

https://github.com/cdennis27/JACE

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