MAST5112

PORTFOLIO OF EVIDENCE

vanessa langa

ST10247842

Table of Contents

Documentation

Purpose

The purpose of this app is to help Chef Christoffel, a private chef. The chef has required a cross-platform solution compatible with both android and IOS devices. This is application is going to save time and make it easier for users to access the price and the meals. According to GAAP Point-of-Sale(2024), digital menu displays, as opposed to static menu boards, allow you to efficiently present a variety of marketing and promotional content to customers at the appropriate moment. Owners of businesses can educate clients about forthcoming occasions, exclusive discounts, menu items, and time-limited promotions.

Design Considerations for a restaurant app

It's critical to give user experience, aesthetics, and functionality first priority when creating a digital restaurant menu. High-quality photos and a unified colour scheme improve visual appeal, while a clean layout with discrete divisions (appetisers, main courses, etc.) and readable typefaces guarantees simple navigation. Customisation tools enable customised ordering, while search functionality and criteria (such as vegetarian or gluten-free) facilitate speedy option discovery. Support for high contrast settings, alt text for photos, and screen readers are all essential components of accessibility. The use of logos, colours, and themes should be constant throughout the design to represent the restaurant's branding. Interaction is smooth thanks to device compatibility and real-time availability or promotional updates. Adding features like item recommendations, nutrition information, and allergy information can improve the user experience.

The Home Screen – Average Price

```
// Sample menu data
const menuItems = [
  { id: '1', name: 'Soup', course: 'Starters', price: 5.0 },
  { id: '2', name: 'Salad', course: 'Starters', price: 7.0 },
  { id: '3', name: 'Steak', course: 'Main Course', price: 20.0 },
  { id: '4', name: 'Pasta', course: 'Main Course', price: 18.0 },
  { id: '5', name: 'Ice Cream', course: 'Desserts', price: 8.0 },
  { id: '6', name: 'Brownie', course: 'Desserts', price: 10.0 },
];

// Function to calculate averages by course
const calculateAveragePrices = (items) => {
  const courses = {};

  items.forEach((item) => {
    if (!courses[item.course]) {
      courses[item.course] = { total: 0, count: 0 };
    }
    courses[item.course].total += item.price;
    courses[item.course].count += 1;
  });

  return Object.entries(courses).map(([course, data]) => ({
    course,
    averagePrice: (data.total / data.count).toFixed(2),
  }));
};

```

This is a sample code. I used an array to store the name of the array and loops. I used an array to store the food items that we are going to be used to calculate the average. This is a screenshot from my code.

Installing the app

The first thing you will do is open a new terminal and type “npx react-native init restaurantApp – version 0.68.2

Running the App

I used Visual studio to code my app.

- Once you’ve completed the code for the app then you will open an integrated terminal the you will type the following:
- Npx react-native run android/ios

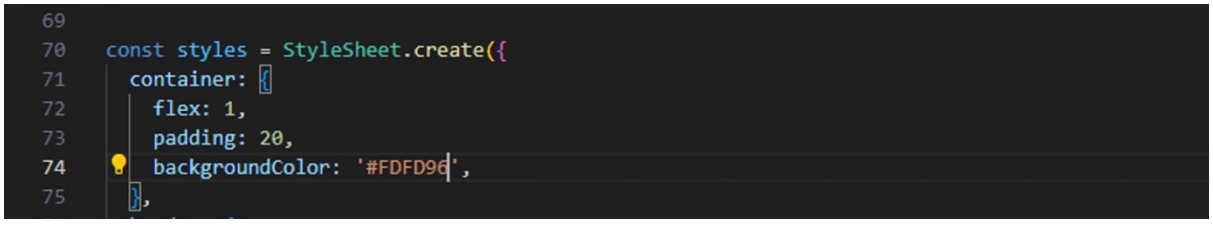
GitHub Actions

As we needed to push our code to GitHub follow the steps of:

1. Make a repository, which is initialized with a README file.
2. Then pushing my Android Application from Android studio to GitHub, through the file management. Opening the application file
    i. At the top where path is show, click file, type CMD
    ii. git init
    iii. git add .
    iv. git commit -m “final commit”
    v. git branch -M main
    vi. git remote add origin **repository URL**
    vii. git push -u origin main

IMPROVMENTS FROM PART 2

I changed the colours on my user interface because the feedback stated that more could have been done. I tried to make it look more fun and pleasing to the eye by using more primary colours. This is a sample code. The background changed from white to pastel yellow.



- I fixed the errors on my code but the code still didn’t run.
- I added another page that allows the guest to filter by course. (filter.js)

Github Link

https://github.com/ST102478422/POE

REFERENCE LIST

- GAAP. 2024. Digital Menu Boards, 22 November 2024. [Online]. Available at: https://www.gaap.co.za/digital-menu-boards-2/#:~:text=Unlike%20traditional%20static%20menu%20boards,%2C%20and%20limited%2Dtime%20offers. [Accessed 21 November 2024].

- OpenAI. 2024. *Chat-GPT* (Version 3.5). [Large language model]. Available at: https://chat.openai.com/ [Accessed: 22 November 2024].