Yap Jun Cheng

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PROJECTS

- **Cross Platform Food Ordering Mobile Application**
  - ➢ Developed a cross-platform mobile application using React Native and Expo that enables customers to browse restaurant menus, place orders, and track order status in real time, while also providing vendors with tools to manage menus and orders.
    - o **Real-Time Order Management**:
      - Implemented order placement, status updates, and live tracking using Firebase Firestore with onSnapshot listeners.
      - Integrated dynamic filtering and search capabilities for efficient order processing.
    - o **User and Vendor Interfaces**
      - Designed distinct interfaces for customers and vendors, including menu browsing, cart management, and order history.
      - Provided vendor tools for adding items, editing menus, and handling cancellations.
    - o **Enhanced User Experience**
      - Employed Expo Router for smooth navigation and gesture handling with React Native's SafeAreaView, ScrollView, and VirtualizedLists.
      - Integrated map views for delivery locations and utilized image upload, manipulation, and Base64 conversion for payments and delivery proofs.

- **Regional Educational Resource Management Platform**
  - ➢ Developed TVPSSHub, a web-based educational resource management system with role-based access control with Java, SpringMVC for schools, teachers, and administrators.
    - o **User and Role Management** : Secure authentication and authorization using Spring Security, with clearly defined roles (Admin, Teacher, Student) that control access to activities, resources, and school details.
    - o **Resource Request Workflow** : An integrated module that allows users to request, track, and manage educational resources (e.g., hardware, supplies) with status updates (e.g., Pending, Approved, Rejected) and detailed views.
    - o **Activity Management** : Tools for teachers and administrators to add, edit, and view educational activities (programs) along with features for managing feedback, pagination, and document generation.
    - o **School Information System** : A dedicated section that stores detailed school profiles, including facilities, representatives, and district data, also supporting updates and filtering for enhanced administrative oversight.

- **Food Ordering System**
  - ➢ Developed a full-stack web application for a food ordering system using PHP and MySQL.
    - o **User Authentication**: Secure login, registration, and session management.
    - o **Dynamic Menu**: Users can browse, sort, and filter food items using a responsive interface built with Bootstrap and JavaScript.
    - o **Cart & Order Processing**: Customers can add items to a cart, view order summaries, and place orders with real-time calculations.
    - o **Admin Dashboard**: Management of menu items, orders, and user accounts with functionalities for editing, deleting, and updating information.
    - o **Database Integration**: Implemented robust SQL queries for data manipulation and retrieval across multiple tables.

- **Stack:** React Native, Typescript, Java, Spring MVC, Firebase, PHP, MySQL, CSS, HTML

EDUCATION

University Technology Malaysia (CGPA: 3.78/4.0)	**Aug 2022 - Present**
Bachelor of Software Engineering	*Johor, Malaysia*
Kolej Matrikulasi Labuan (CGPA: 4.0/4.0)	**Oct 2021 - Aug 2022**
Physical Science Stream	*Labuan, Malaysia*
SMK Sungai Maong(SPM: 5As / 11As)	**2016 - 2020**
Secondary School Science Stream	*Kuching, Malaysia*

LANGUAGE & INTERESTS

- **Tools :** VSCode, XAMPP, Android Studio, GitHub, Git Desktop, Notion

- **Language :** Chinese (Primary Language), English (MUET Band 4.0), Malay (SPM B+)

- **Interests :** Gym, Investment, Solving Problem, Exploring and Learning New Things