



Manao Meals Web Application

Manao Software

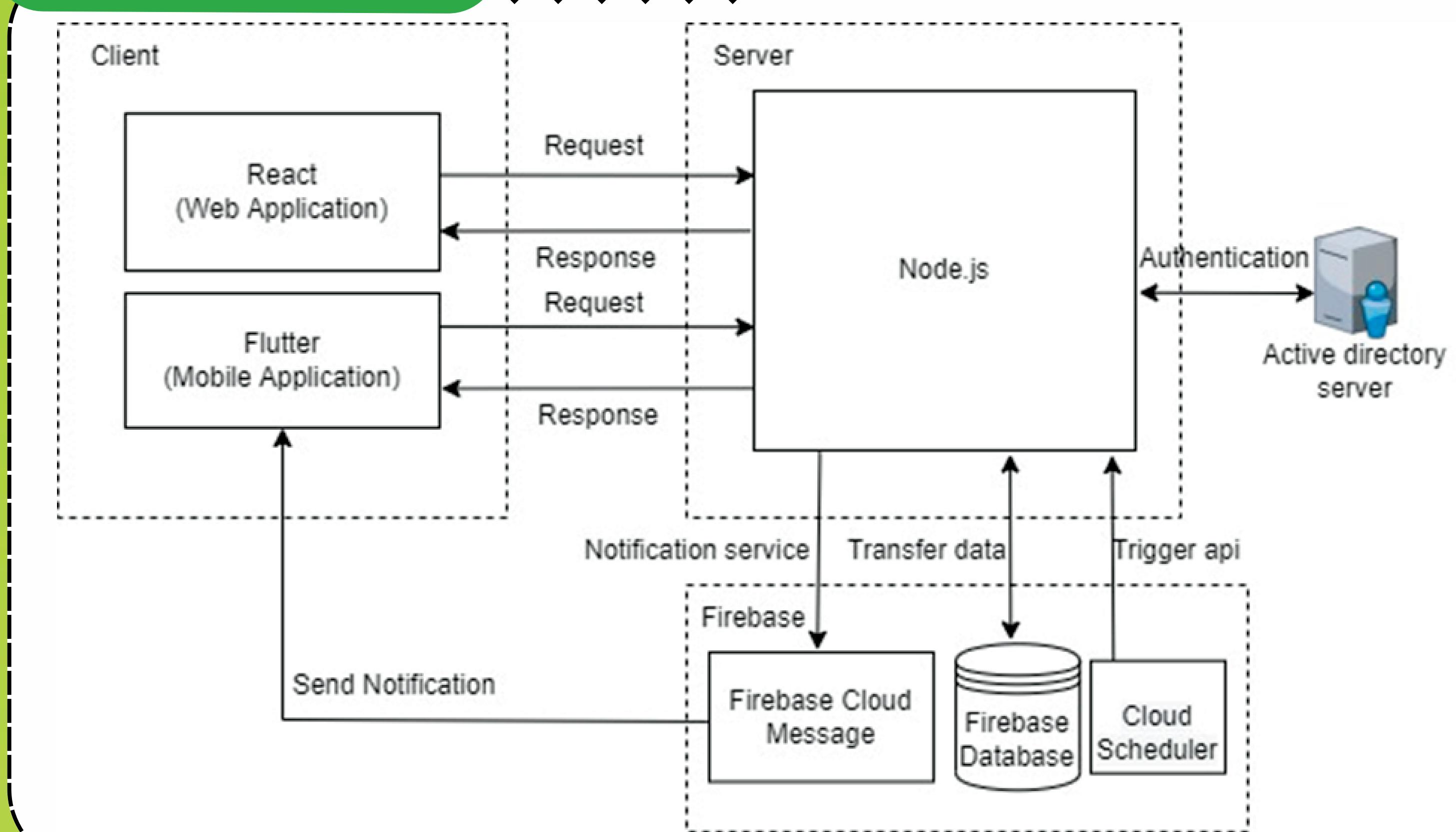
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Abstract ➤➤➤➤➤

Manao Software provides its employees with free lunch at the company-provided restaurants. Previously, administrators had to manually enter restaurant information into a Microsoft Excel spreadsheet every day and staffs had to fill out menu items they wanted. At the end of the day, administrators had to summarize the order items and place the order with the restaurant. This system was difficult to manage as it had to be repeated daily. To simplify the process, the company has developed a lunch order management system with a web application for managing food ordering information and a mobile application for ordering food. In this cooperative education, the focus is on the web application. In this development, the TypeScript language was used on the React framework. Firebase Firestore was applied as database management system. The test results shown that this web application can function properly for its intended purpose.

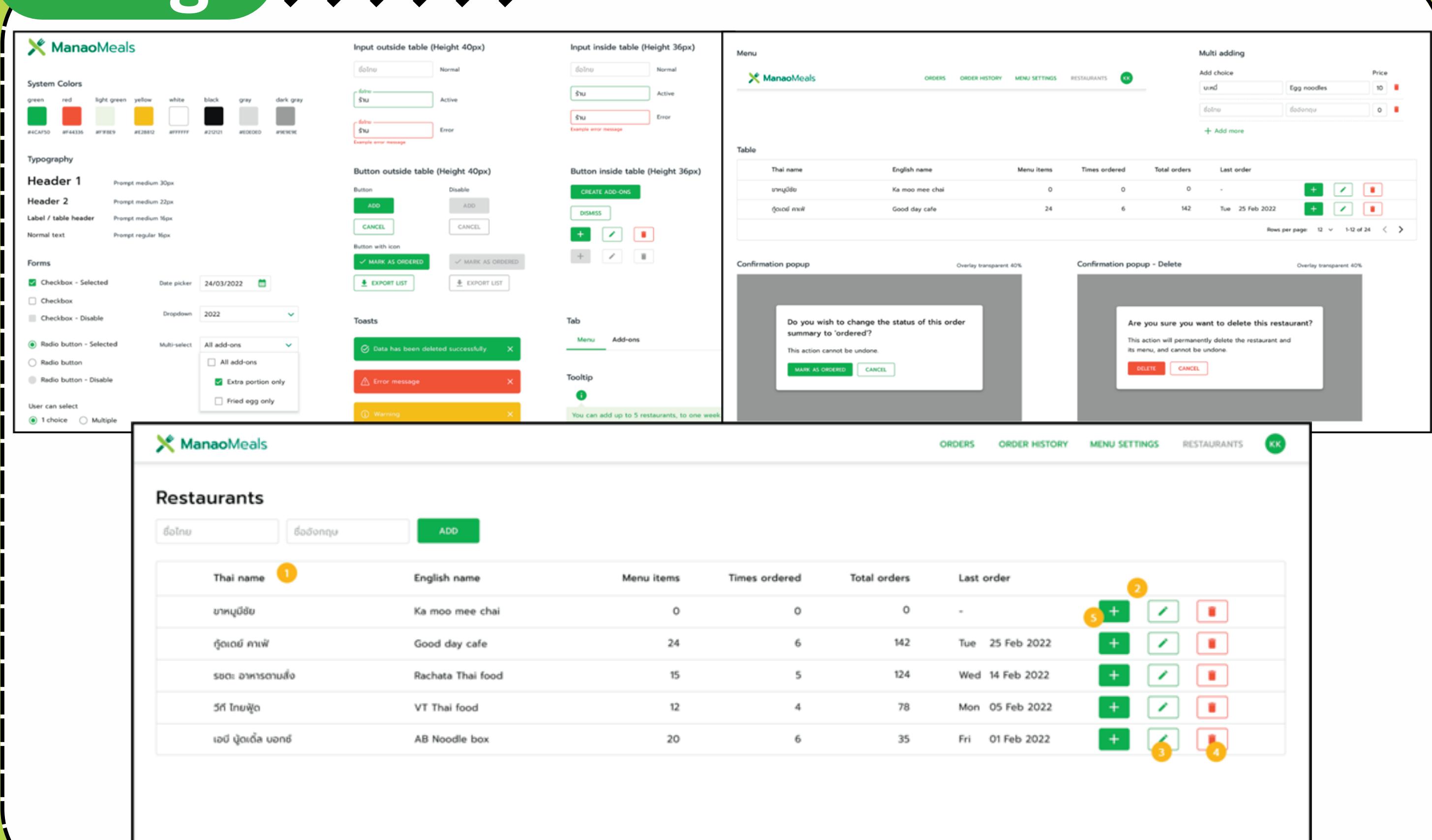
Architecture ➤➤➤➤➤



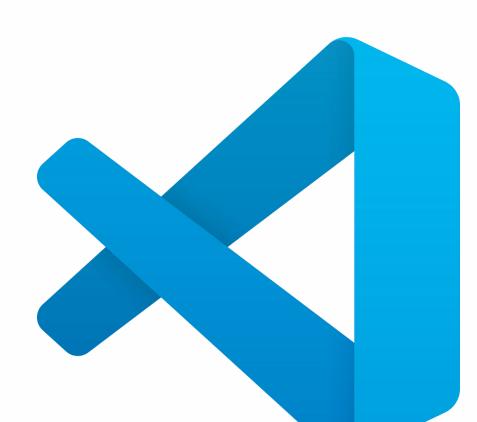
Introduction ➤➤➤➤➤

The Manao Meals Web Application is part of the company's in-house software development program. It is designed to simplify and facilitate the management of lunch order information within the company. With this web application, administrators can manage restaurant information, food item details, add-on items, select restaurants in advance for each day, summarize orders placed by employees, and view order history.

Design ➤➤➤➤➤



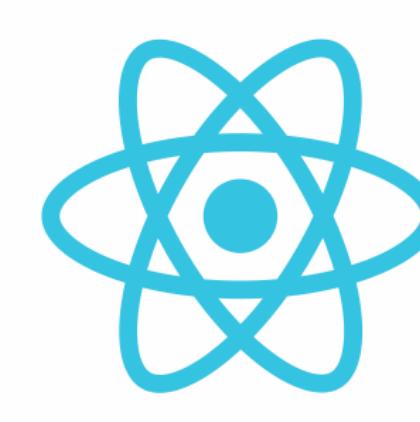
Technology ➤➤➤➤➤



Visual Studio Code



Version Control



React JS



Issue & Project Tracking Software



Material UI



Tailwindcss

Experiment ➤➤➤➤➤

Testing is divided into two categories

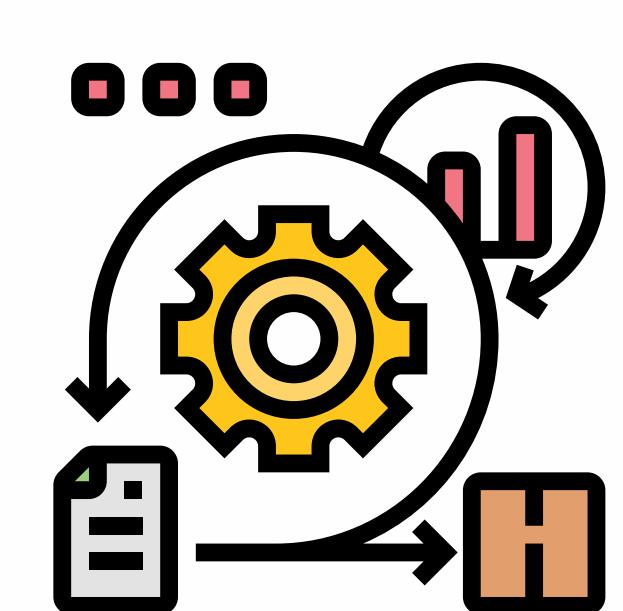
1. User Interface testing

Test to verify that the user interface created matches the design specifications, such as layout size, font size, and button color.

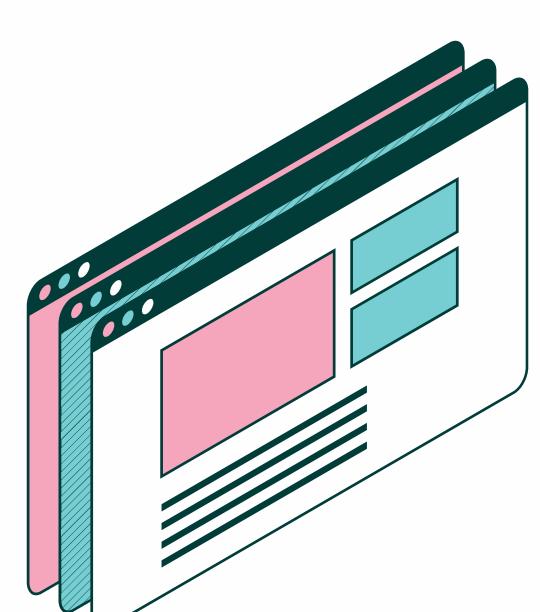
2. Integration testing

Ensure data are displayed correctly, After integrate the UI components to the API (Get, Put, Post, and Delete API).

Methodology ➤➤➤➤➤



Agile and Scrum



Design and Create UI



Integrate API to UI

Result ➤➤➤➤➤

Manao Meals Web Application was developed for providing convenience to administrators in managing information related to food orders for employees within the company. This system is capable of efficiently managing all information related to food orders within the company. The results of the system's development and testing have been positive, and the company has implemented the Manao Meals Web Application for managing food orders within the company.