Project Report

**Title**: Coffee & Tea Distributor

**Website Name**: Coffee & Tea Distributor

**Project Description**: This project enriched our knowledge of web design and extend our experiences. The project is designed into front end and back end with REST API. For the front-end design, we implemented with React framework, designed a single page application with several components with animations. There are two components, header and footer, which is always displayed, and six components separately shows homepage, list of product page, product detail page, cart page, about page, and contact page, all of them also managed by a main component. For our back-end design, we use express and node.js, with REST API, several functions are accomplished. For manage the users, people can either signup or login. The password field uses node module passport to enable hash password with salt. For manage products, REST API also applied and only admin user can modify. For cart storage, user can add product into their cart, which is accomplished by storing their id together.

**Database Design**: This project uses mongo-DB to store the data. There are seven collections, which is: users, dishes, comment, cart, feedback, leaders, promos.

**Languages / frameworks used for implementation**: This work uses JavaScript to program.

**Screenshots for main functionalities**:

Graphical user interface, website

Description automatically generated

Graphical user interface, website

Description automatically generated

Graphical user interface, application

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Graphical user interface, website

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Graphical user interface, application

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**Team Members**: Shengxuan Zhao, Miao Miao, Dayuan Chen

**Work division**:

Shengxuan Zhao: front-end: about-component, contact-component, home-component, back-end: comment-router, leader-router, mongo-DB

Miao Miao: front-end: dishdetail-component, menu-component, favorite-component, back-end: dish-router, favorite-router, mongo-DB

Dayuan Chen: front-end: main-component, header-component, footer-component, loading-component, back-end: upload-router, promo-router, mongo-DB