

Technical Specification

Date: 16 October 2021

Team members: Junxian Li, Weairan Zou, Yicong Li, Tran Khac Hung

Overview:

The project is about an Android application using React-Native which can be logged into with a Tanda Account. Once logged in, it should be able to refresh on demand a list of discounts available to the employee. When you select one, the application should display a screen which clearly communicates to the cashier the employee is eligible for the discount.

Requirements to achieve project:

- Strong sense of problem solving when working in the mobile development space
- Enthusiasm to process and implement an enterprise API

Approach:

We will develop an application using react-native to fetch user data. Then we use the data to allow user login with Tanda account. After that, we create a function to fetch the available discount of the user. The user can choose which type of discount can be used to communicate to the cashier. The discount will be displayed in the different sections: clock-in, clock-out, multiple-job user, single-job user.

Mesuring impact:

- __ Create test for each function to ensure it works properly.
- __ Run application on different mobile to check the compatibility

Security and Privacy:

- The account of the user will be protected on the Tanda database.

Designer team:

- Design prototype
- Design screen responsive for many sizes of mobile

Developer team:

- Write function to fetch data for application
- Develop application base on the design
- Write test case for application

Project manager:

- __ Assign work for each member
- __ Support other member to finish tasks