**CRYPTOCURRENCY TRADING APPLICATION**

**Group Name: CODE FOR FOOD**

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**Project Overview:**

A Cryptocurrency Trading Application is a financial application for trading cryptocurreny, exchange currency and finance advice. The Application will help an individual to trade in cryptocurrencies in the global market through various enterprises. Additionally, the application will allow government to track customers trading activity.  
  
**Application Key Functionalities:**

1. Dashboard to display recent cryptocurrency rate.
2. Trading - Buying and selling of coins.
3. Exchange - A system for dealing in the currency of different countries.
4. Price Alert - Notifications in case of fluctuations in market prices of cryptocurrencies.
5. Market History and Analysis of rate trends for cryptocurrencies.

**Proposed Entities:**

Enterprise – Third-Party Authorized Organization that manages trading/exchange of coins (Cryptocurrency) on behalf of Individual Customers and Government Enterprise calculates tax for each transaction and Bank consisting of all customer accounts. The Enterprise can be a Bank or Private or Government

Organization – Bank Enterprise will have two types of organizations - Checking Account and Saving Account. The Broker will deal with trading and exchange activities for the enterprise as well as provide advisory for the customer. while the government would calculate tax for each transaction and record their activities.

Individual Customer – Primary Entity, who can create a profile, Buy/Sell Coins and trade through an enterprise.

Admin - Manages the enterprises, customers and organization, send them alerts and notification regarding price rise in the market.

Employee- An employee is a part of enterprise. It can be associated with any one organization.

**Additional Features:**

1. Invoice Receipt - A receipt for customers and enterprises for their trading activities.