

# PROJECT PROPOSAL

## Project topic:

### Food Ordering and Delivery System

#### Description of the Project

- The system will support ordering of food by customers from one of many restaurants, along with the delivery of the ordered meals at the specified address.
- This database will store the details of customers, restaurants, items available at the different restaurants, orders placed by these customers, as well as details of the delivery persons.
- Each food item in a menu can belong to one of many different categories. This gives users an option to browse through items by categories as well (Drinks, Desserts, Appetizers, etc).

What a customer can do:

- Log in to the system or register themselves
- Update or delete contact details
- Browse through the menu of the restaurant of interest
- Select items to order
- Place order with comments if needed
- Apply coupons/offers to their order
- Make payment
- Cancel the order
- Provide feedback after receiving the order

There will be a list of different offers or discount coupons available to different customers. While placing the order, the customer can choose to apply the coupon code of their choice, provided that it's valid at that time.

What the system can/should do:

- Create and edit user accounts
- Authenticate logins
- Receive orders
- Authorize payments

- Process delivery

## Database Language

SQL

*Software:* MySQL Workbench

*Languages:*

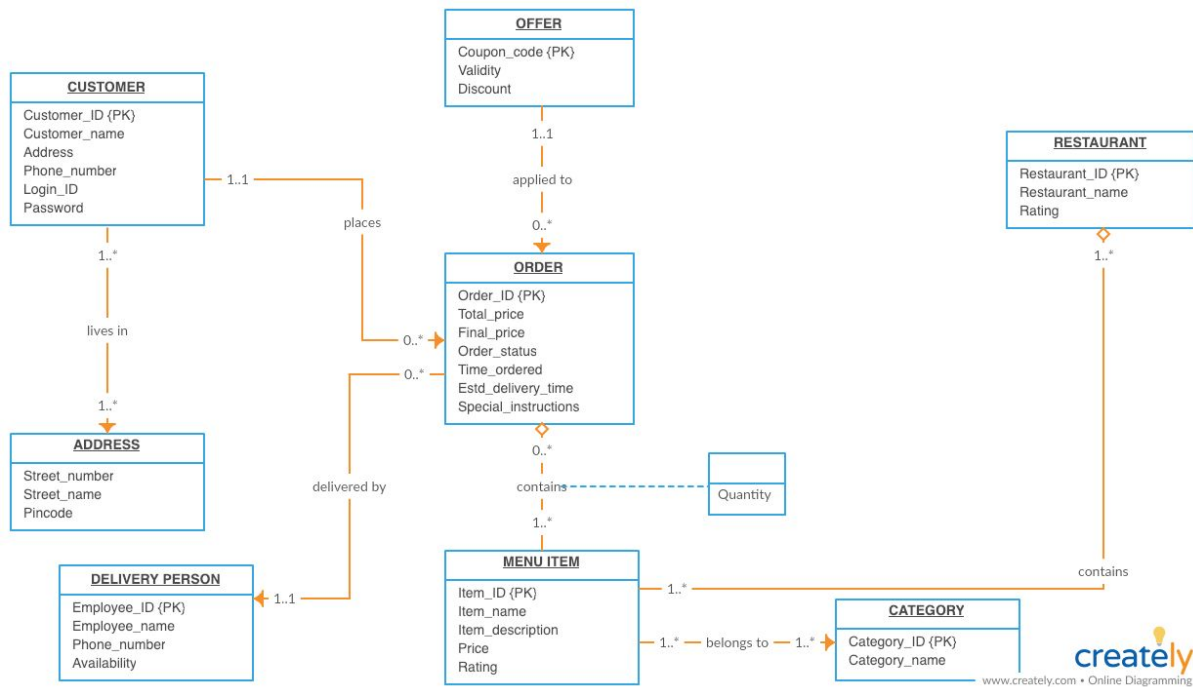
- JavaScript, HTML, CSS (To develop the application), Node.js (Back-end to connect with SQL database)
- SQL (To manage data in the DBMS)

There are no machine restrictions for the project.

## Why does this project or this data domain interest us?

This project is of interest to us mainly because as college students (specifically grad students), we tend to rely a lot on outside food as we don't always get time to cook meals at home. There is nothing better than getting the food of our choice delivered to our doorstep, without having to step out in the extreme weather conditions that Boston has to offer. This is why we believe that a good food delivery system is crucial for this student populated city.

## UML Diagram



## Activity Diagram

