Computer Science Department

Database Management Systems 333

Phase 4

Group No 26

[1190186, 1190100, 1190515]

[MalekAboTouq, MajdMasri, Abdallah Mohammad]

Phase 0
Data Requirements

Our client is **Mohammad Salama**"محمد سلامة". He owns a new sweets shop. He cannot make all kinds of sweets at the same time, so maybe some of his costumers don't find what they want. Also, Mohammad gets some urgent orders, but some of these orders need more time to be prepared or he might not have some of the ingredients needed at that moment. By using our website, he can take orders online, which means he can meet the needs of his customers and lessen the risk of having his sweets being spoiled as a resultof staying too long without being sold. Also, the website will [1.] display the list of sweets, marked as ***available now*** or ***unavailableat the moment***, [2.] the time at which the product can be picked up from the shop, depending on the time needed to get the ingredients, if they are not on hand, and the time needed to prepare the sweets, and will also [3.] display the prices. This will give the customer a full picture of the shop's services and will let him/her know what he/she can get faster if he has an urgent issue. Also, the website is an advertisement for his new business, where he might get more customers from farther areas in the country.

Technology

- o Hardware: ThinkPad E480, 8 RAM, core i7 8th Gen, Radeon (TM) RX 550
- o Operating system: windows 10
- o Database System: MySQL
- o Programming languages: **back-end**: python, **front-end**: html, css, js, sass, reactjs

Summery

This project is a Website for **Mohammad Salama** Sweet shop to make his customers able to make orders online and to make them know how much the time that order need to be done.
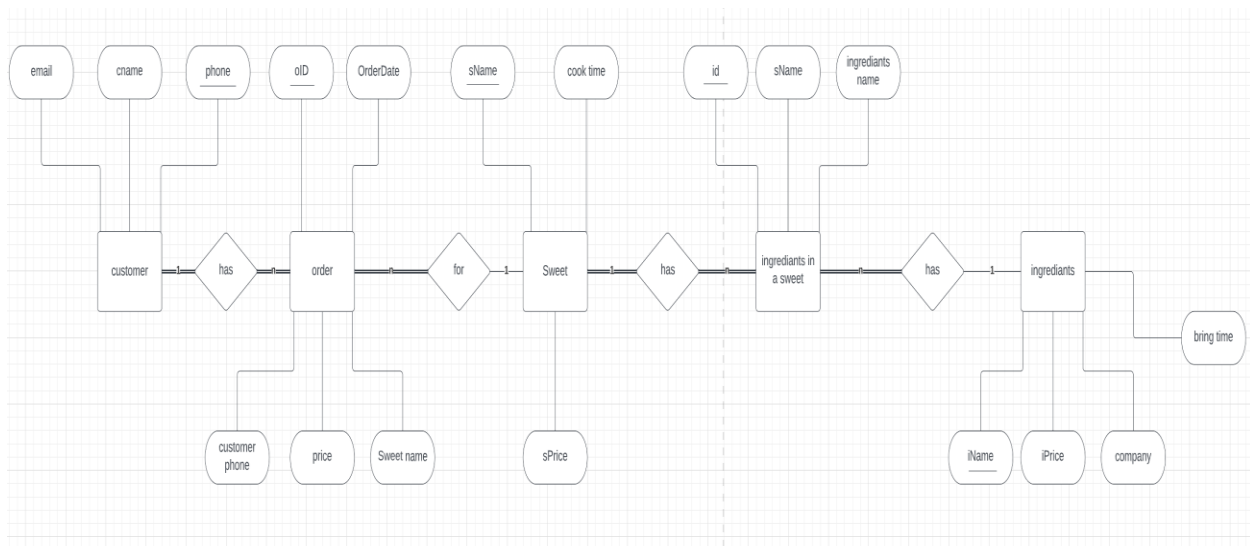
Phase 1
Data Requirements

1.Store has a name, phone, email and address.

2. Store has many sweets.

3. Customers have a name, phone and may have email address.

4. Each customer can order many kinds of sweets.

5. Each order has an id, price, name, date of the ordered sweet and the customer phone.

6. Sweet has a name, price, time to be cooked and time to be available.

7. Sweet contains many of ingredients and it is made of many ingredients.

8. Ingredients can be bought from many companies.

9. Ingredients can be available on the store or from a company, time to be bring, price and name.

10. Ingredients in a sweet have an id, sweet name and the ingredient name.

Phase 2
ER DIAGRAM

Phase 3 & Phase 4 in source code and SQL file.