Assignment 2

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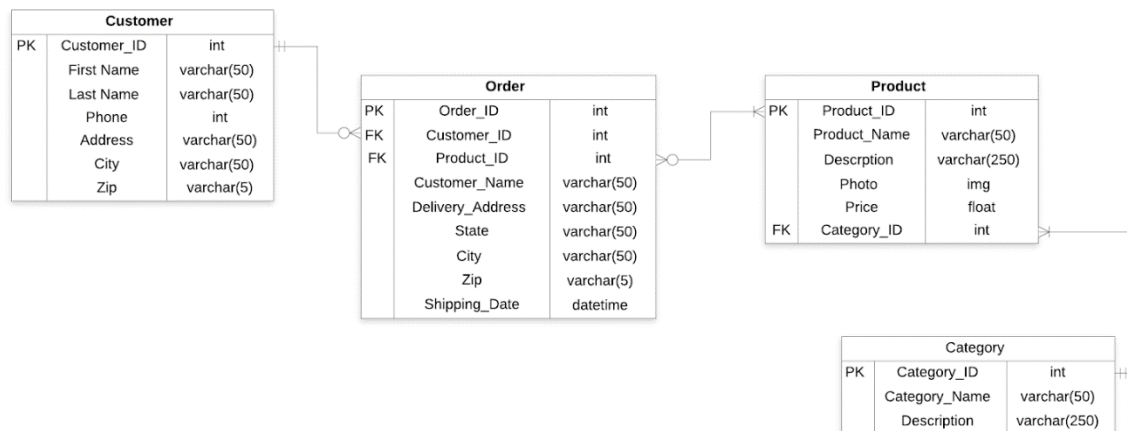
Course:

Databases and Webservices

Functionality

E-commerce has been promptly growing in the business world as a paradigm. The number of businesses that are implementing websites for the purpose of performing transactions online has been increasing. The new lifestyle implanted due to Covid-19, is turning the process of shopping on the web into a mainstream.

The functionality of this project is developing an e-commerce website where customers can purchase laptops based on their needs and preference online from the comfort of their house.

Online shopping is essentially a virtual store on the web, where customers have the possibility of browsing through all items and choosing the products, they're interested in. This shop consists of a cart in which the customer can collect the products they wish to purchase. When it is time for the checkout, the site demonstrates the items as an order and then it requires the user to input their personal, payment and shipping information. When orders are placed, a confirmation email is sent automatically to the customer.

ER Diagram

User interaction

- Create account/ login/ search products
- Filter products by any specification (specific size, model, color, price, etc)
- Add/remove products to/from cart
- Go to detailed page of a selected product
- Proceed to checkout if registered only