

Entities:

Employee- A table of employees is necessary to be included in order to store there data, and give them a way to uniquely login to an "employee view" of the website.

Attributes: EmpID, Password

Products- Data on different kinds of products, quantity, and other descriptors would be necessary to keep track of, making this a crucial entity.

Attributes: Price, inventory, Description, productNo

User- Information on the user will need to be stored for checkout/delivery purposes.

Attributes:PhoneNo, Email, Name

Order- All information from an order will need to be kept for records and inventory. Past orders should be able to be accessed.

Attributes: Address, Total, BillingInfo, OrderID, Date

Relationships:

User-Order: Orders will be placed on the website by users, many different orders can be placed by one user. An instance of a user placing an order creates a tracking number.

Products-Order: There will be many orders placed on the website containing many different products. Products attempting to be ordered will be placed into an order.

Schema:

Employee(EmpID, Password)

User(Email, Phone, Name)

Product(ProductID, Quantity, Description, Price)

Order(OrderID, Address, Total, BillingInfo, Date, ItemCount, *Email)

PlacedOrder(*Email, *OrderID, TrackingNo)

ProductStored(*OrderID, *ProductID)

*Foreign key