

#### 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 for inventory and delivery purposes.

Attributes: ProductID, Price, Quantity, Description, Name

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: OrderID, Address, Total, BillingInfo, ItemCount, Date, \*Email

#### 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 and a status that can be updated.

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

#### Schema:

Employee(EmpID, Password)

User(Email, Phone, Name)

Product(ProductID, Name, Quantity, Description, Price)

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

PlacedOrder(\*Email, \*OrderID, TrackingNo, Status)

ProductStored(\*OrderID, \*ProductID, Quantity)

\*Foreign key