**Scenario**

A shoe shop, has been operating manually for several years. However, recently, the business encountered significant operational challenges that prompted the need for automation. These challenges included difficulty in managing inventory, inefficiencies in tracking sales and customer data, and inadequate supplier management. Recognizing the need for change, the Owner decides to convert the manual shoe shop into an automated business.

**Entities.**

Shoe [ Shoe\_ID, Brand, Style, Size, Price]

Inventory [Shoe\_ID, Stock\_Quantity]

Sales [Sale\_ID, Shoe\_ID, Customer\_ID, Sale\_Date]

Customer [ Customer\_ID, Name, Contact\_Information]

Supplier [ Supplier\_ID, Name, Contact\_Information]

Purchase Order [ Purchase\_Order\_ID, Supplier\_ID, Shoe\_ID, Quantity, Order\_Date, Delivery\_Date]