**W.A.K Manuscript**

Scenario: A Shoe Vender such as Nike has multiple Lines of shoe products. This vender has multiple products which can be separated into multiple Shoe lines. An example of this is the Nike Jordan product line, this line of shoes was created to honor Michael Jordan in the height of his career. When a customer buys the shoe product, they get sent an Invoice with all the products information, they can also get sent multiple invoices due to the fact that they can buy multiple things at different times.

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| Vendor | V\_CODE, V\_NAME, V\_CONTACT, V\_AREACODE, V\_PHONE, V\_STATE, and V\_ORDER |
| Products | P\_CODE, P\_DESCRIPT, P\_NDATE, P\_QOH, P\_MIN, P\_PRICE, V\_CODE, and P\_DISCOUNT |
| Line | LINE\_NUMBER, INV\_NUMBER, P\_CODE, LINE\_UNITS, LINE\_PRICE, and INV\_TOTAL |
| Customer | CUS\_CODE, CUS\_PHONE, CUS\_LNAME, CUS\_FNAME, CUS\_INITIAL, CUS\_AREACODE, CUS\_INSURE\_AMT, CUS\_INSURE\_TYPE, AGENT\_CODE, CUS\_RENEW\_DATE |
| Invoice | INV\_DATE, INV\_NUMBER, CUS\_CODE, INV\_SUBTOTAL, INV\_TAX, INV\_TOTAL |

They are 5 entities in this scenario: Vendor, Products, Line, Customer, and Invoice. The attributes that belong to these entities are listed above. These entities have relationships such as, there can be many Vendors to one Product, many products and have one line, there can be one Customer to many Invoices, and there can be only one Invoice to many lines.