CS 325 - Fall 2023

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**Group Name:**

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**Database Schema Relation Structures**

User(USER\_ID, fname, name, passw, email, phone\_num, is\_admin, is\_customer)

Admins(USER\_ID)

foreign key (user\_id) references user

Customer(USER\_ID)

foreign key (user\_id) references user

Shipping\_address(SHIPPING\_ADD\_ID, user\_id, bldg\_number, apt\_num, street, city, state, zip\_code)

foreign key (user\_id) references customer

Billing\_address(BILLING\_ADD\_ID, user\_id, bldg\_number, apt\_num, street, city, state, zip\_code)

foreign key (user\_id) references customer

Payment\_Info(PAY\_ID, USER\_ID, card\_type, cardholder\_lname, cardholder\_fname, card\_number, exp\_date, cvv)

foreign key (user\_id) references customer

Subscription(SUB\_ID, user\_id, sub\_plan, start\_date, expir\_date, sub\_status, pay\_id, payment\_status)

foreign key (user\_id) references customer

Subscription\_Order(SUB\_ORDER\_ID, sub\_id, sub\_order\_date, sub\_order\_status, sub\_order\_total, shipping\_add\_id, billing\_add\_id, shipping\_method, shipping\_cost, tracking\_num)

foreign key (sub\_id) references subscription

foreign key (shipping\_add\_id) references shipping\_address

foreign key (billing\_add\_id) references billing\_address

Shipment(SHIPMENT\_ID, order\_id, sub\_order\_id, shipping\_date, shipping\_method, tracking\_num, shipment\_status, shipping\_carrier, est\_delivery, delivery\_date)

foreign key (order\_id) references order

foreign key (sub\_order\_id) referenced subscription\_order

Customer\_Order\_Hist(USER\_ID, order\_id)

foreign key (user\_id) references user

foreign key (order\_id) referenced order

Order(ORDER\_ID, user\_id, order\_date, order\_status, shipping\_add\_id, billing\_add\_id, shipping\_method, shipping\_cost, order\_total, payment\_id, payment\_status, tracking\_num)

foreign key (user\_id) references user

foreign key (shipping\_add\_id) referenced shipping\_address

foreign key (billing\_add\_id) references billing\_address

Catalog(PRODUCT\_ID, product\_name, product\_descr, product\_category, product\_condition, release\_date, price, stock, manufacturer, platform)

Line\_Item(LINE\_ITEM\_ID, ORDER\_ID, product\_id, quantity, unit\_price, total\_price, discount, tax, shipping\_cost)

foreign key (order\_id) references order

foreign key (product\_id) referenced catalog