

*Primary keys are **bold and underlined**, foreign keys are underlined

SECURITY
<u>Securitynum</u>
Securityq

USER
<u>Uemail</u>
Uname (Lname, Fname)
Upassword
Usecuritya
<u>Securitynum</u>

ORDERLINE
<u>OLID</u>
<u>OID</u>
OLquantity
OLprice
<u>Pnumber</u>
<u>Ptype</u>

AUTHOR
<u>AuthID</u>
Aname (Lname, Fname)

ORDER
<u>OID</u>
Odate
{ <u>Pnumber</u> }
{ <u>Ptype</u> }
<u>Uemail</u>

PRODUCT
<u>Pnumber</u>
<u>Ptype</u>
Ptitle
{Pgenre}
[Prating]
Pprice
Ppages
<u>AuthID</u>
<u>PubID</u>

PUBLISHER
<u>PubID</u>
Pubname

RATING
Rscore
{Rtags}
<u>Uemail</u>
<u>OID</u>
<u>Pnumber</u>
<u>Ptype</u>

ASSUMPTIONS:
-each rating must correlate with an instance of user, order, and product
-some products may not have an author (ex: magazines), but all products have a publisher

answers

places

contains

contains

listed in

writes

publishes

gives

required for

is given

= Pprice in
PRODUCT x
OLquantity

Avg of Rscore
column in
RATING