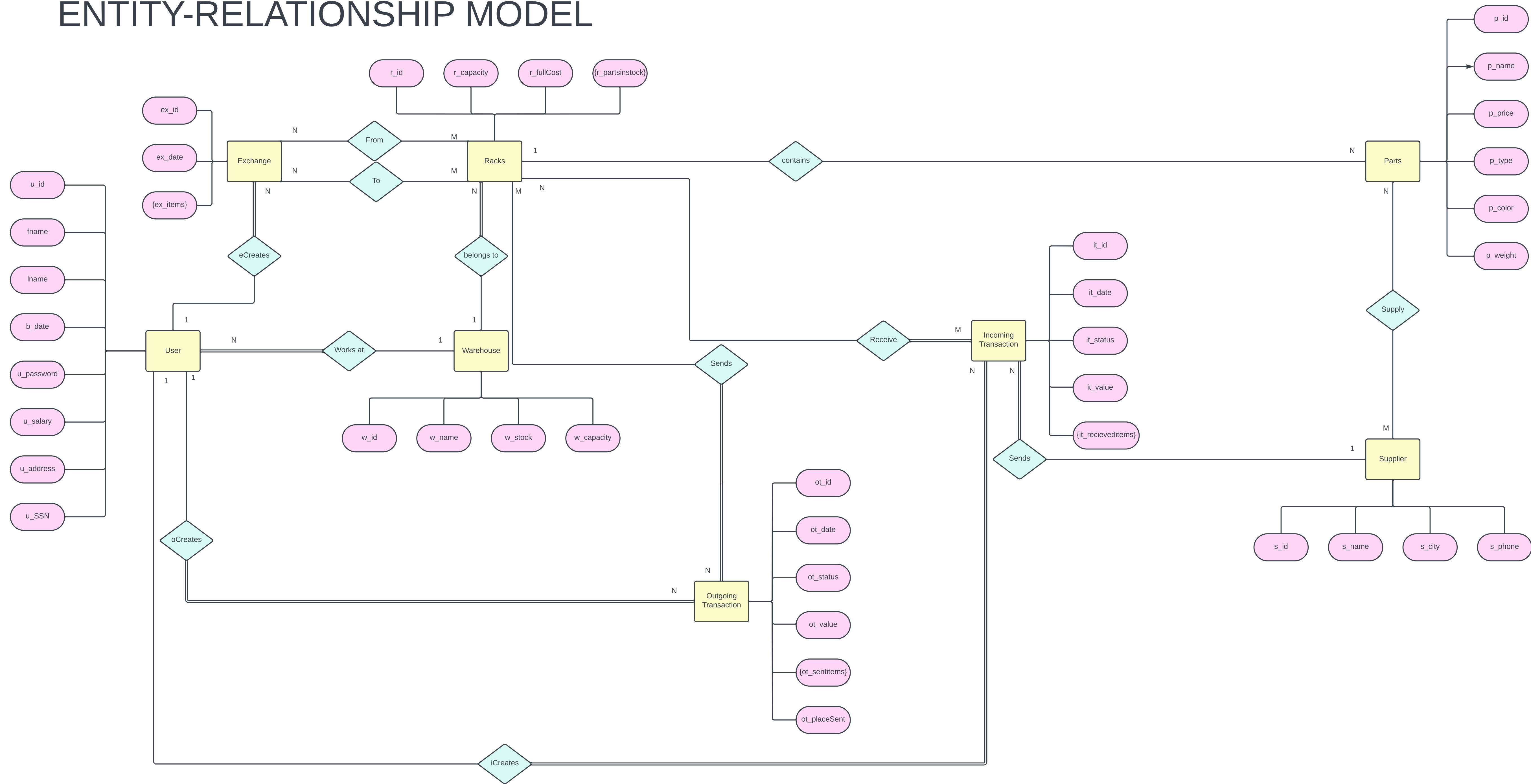# ENTITY-RELATIONSHIP MODEL

TABLE DIAGRAM

ex_items

exi_id(PK)	serial
p_id(FK)	varchar
ex_id(FK)	integer

Exchange

ex_id(PK)	serial
ex_date	date
u_id(PK)	integer

To

ex_id (FK)	integer
r_id(FK)	integer
(ex_id,r_id)(PK)	integer

From

ex_id (FK)	integer
r_id (FK)	integer
(ex_id,r_id)(PK)	integer

r_partinstock

pis_id(PK)	serial
p_id(FK)	integer
r_id(FK)	integer

User

u_id(PK)	serial
fname	varchar
lname	varchar
b_date	date
u_password	varchar
u_salary	float
u_address	varchar
u_SSN	Integer
w_id(FK)	integer

Warehouse

w_id (PK)	serial
w_name	varchar
w_stock	integer
w_capacity	integer

Racks

r_id (PK)	serial
r_capacity	integer
r_fullCost	float
w_id(FK)	integer

contains

r_id(FK)	integer
p_id(FK)	integer
(r_id,p_id)(PK)	integer

Parts

p_id (PK)	serial
p_name	varchar
p_price	float
p_type	varhcar
p_color	varchar
p_weight	float

Sends

ot_id(FK)	integer
r_id(FK)	integer
(ot_id,rt_id)(PK)	integer

Outgoing Transaction

ot_id (PK)	serial
ot_date	date
ot_status	varchar
ot_value	integer
ot_placeSent	varchar
u_id(FK)	integer

sent_items

sent_id(PK)	serial
p_id(FK)	integer
ot_id(FK)	integer

Recieves

r_id(FK)	integer
it_id(FK)	integer
(r_id,it_id)(PK)	integer

Supply

p_id(FK)	integer
s_id(FK)	integer
(p_id,s_id)(PK)	integer

Incoming Transaction

it_id (PK)	serial
it_date	date
it_status	varchar
it_value	integer
u_id(FK)	integer
s_id(FK)	integer

Supplier

s_id (PK)	serial
s_name	varchar
s_city	varhcar
s_phone	varchar

receiveditems

re_id(PK)	serial
p_id(FK)	varchar
it_id(FK)	integer