**Users, Roles and Privileges**

**Procese aplicatie**

1. Comanda
2. Preluare comanda
3. Vizualizare istoric comenzi
4. Recomandare
5. Vizualizare feedback
6. Trimitere feedback
7. Trimitere tips
8. Primire tips
9. Restaurantul publica comanda primita pentru a fi preluata de un driver

**Operatii premise pentru fiecare USER / ROLE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Customer | Driver | Restaurant | Admin |
| Orders | I,S | S | S | I,U,D,S |
| Review | I,S | S | S | I,U,D,S |
| Product | S | S | I,U,D,S | I,U,D,S |
| DriverRating | I | S | S | I,U,D,S |
| Address | I,U,S | S | I,U,S | I,U,D,S |
| Geographic Location | I,U,S | S | I,U,S | I,U,D,S |
| PromoCode | S | S | I,U,S | I,U,D,S |

**Cod SQL**

-- TABLESPACES / USERS  
CREATE TABLESPACE default\_ts  
 DATAFILE 'default\_ts\_data.dbf'  
 SIZE 10 m;  
  
CREATE TEMPORARY TABLESPACE temp\_ts  
 TEMPFILE 'temp\_ts\_data.dbf'  
 SIZE 10 m;  
  
CREATE USER restaurant  
 IDENTIFIED BY restaurant  
 DEFAULT TABLESPACE default\_ts  
 QUOTA 2 M ON default\_ts  
 TEMPORARY TABLESPACE temp\_ts;  
  
CREATE USER customer  
 IDENTIFIED BY customer  
 DEFAULT TABLESPACE default\_ts  
 QUOTA 4 M ON default\_ts  
 TEMPORARY TABLESPACE temp\_ts;  
  
CREATE USER driver  
 IDENTIFIED BY driver  
 DEFAULT TABLESPACE default\_ts  
 QUOTA 3 M ON default\_ts  
 TEMPORARY TABLESPACE temp\_ts;  
  
-- ROLES  
-- ADMINISTRATOR  
CREATE ROLE administrator\_role;  
GRANT INSERT ANY TABLE TO administrator\_role;  
GRANT SELECT ANY TABLE TO administrator\_role;  
GRANT UPDATE ANY TABLE TO administrator\_role;  
GRANT DELETE ANY TABLE TO administrator\_role;  
  
-- DRIVER  
CREATE ROLE driver\_role;  
GRANT SELECT ANY TABLE TO driver\_role;  
  
-- CUSTOMER  
CREATE ROLE customer\_role;  
  
GRANT INSERT ON ORDERS TO customer\_role;  
GRANT INSERT ON REVIEW TO customer\_role;  
GRANT INSERT ON DRIVER\_RATING TO customer\_role;  
GRANT INSERT ON ADDRESS TO customer\_role;  
GRANT INSERT ON GEOGRAPHIC\_LOCATION TO customer\_role;  
  
GRANT SELECT ON ORDERS TO customer\_role;  
GRANT SELECT ON REVIEW TO customer\_role;  
GRANT SELECT ON PRODUCT TO customer\_role;  
GRANT SELECT ON ADDRESS TO customer\_role;  
GRANT SELECT ON GEOGRAPHIC\_LOCATION TO customer\_role;  
GRANT SELECT ON PROMO\_CODE TO customer\_role;  
  
GRANT UPDATE ON ADDRESS TO customer\_role;  
GRANT UPDATE ON GEOGRAPHIC\_LOCATION TO customer\_role;  
  
-- RESTAURANT  
CREATE ROLE restaurant\_role;  
GRANT SELECT ON ORDERS TO restaurant\_role;  
GRANT SELECT ON REVIEW TO restaurant\_role;  
GRANT SELECT ON PRODUCT TO restaurant\_role;  
GRANT SELECT ON DRIVER\_RATING TO restaurant\_role;  
GRANT SELECT ON ADDRESS TO restaurant\_role;  
GRANT SELECT ON GEOGRAPHIC\_LOCATION TO restaurant\_role;  
GRANT SELECT ON PROMO\_CODE TO restaurant\_role;  
  
GRANT UPDATE ON PRODUCT TO restaurant\_role;  
GRANT UPDATE ON ADDRESS TO restaurant\_role;  
GRANT UPDATE ON GEOGRAPHIC\_LOCATION TO restaurant\_role;  
GRANT UPDATE ON PROMO\_CODE TO restaurant\_role;  
  
GRANT INSERT ON PRODUCT TO restaurant\_role;  
GRANT INSERT ON ADDRESS TO restaurant\_role;  
GRANT INSERT ON GEOGRAPHIC\_LOCATION TO restaurant\_role;  
GRANT INSERT ON PROMO\_CODE TO restaurant\_role;  
  
GRANT DELETE ON PRODUCT TO restaurant\_role;  
  
GRANT administrator\_role TO administrator;  
GRANT restaurant\_role TO restaurant;  
GRANT driver\_role TO driver;  
GRANT customer\_role TO customer;  
  
SELECT \* FROM DBA\_ROLE\_PRIVS WHERE grantee LIKE '%\_ROLE';