Database For Souq.com

1. Users Table

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| userID (PK) | username | First Name | Last Name | Birthdate | Password | Job | Email | Credit Limit | balance | Address | Interests | isAdmin |

1. Products Table

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Product Id (PK) | Category\_ID (FK) | Product Name | Price | Quantity of product | Description | Image as URL | IS Available |

1. Category

|  |  |
| --- | --- |
| CategoryID (PK) | Category Name |

1. User-Cart

|  |  |  |  |
| --- | --- | --- | --- |
| Cart ID (PK) | UserID (PK) | Is Submitted | Submitted Date |
| 1 | 1 | False |  |

1. Cart-Saved

|  |  |  |  |
| --- | --- | --- | --- |
| Cart ID (PK) | Product ID (PK) | Quantity | Price After Buying |
| 1 | 1 | 1 |  |

Functions

1. create table users ( uId serial primary key, uName text, fName text , lName text, bd text , password text , job text , email text, creditLimit float, balance float, address text , interests text, isAdmin boolean);

CREATE OR REPLACE FUNCTION createadmin (userName text ,firstName text, lastName text, birthDate text,userPass text, userJob text, userEmail text,userAddress text,userInterests text) RETURNS boolean AS $$

DECLARE

Isuser boolean;

BEGIN

Select checkuser(username) into isuser;

IF Isuser = true THEN

INSERT INTO users (uname,fname,lname,bd,password,job,email, creditlimit, balance, address, interests,isAdmin) VALUES (username, firstName, lastName, birthdate, userPass, userJob,userEmail,0,0, userAddress,userInterests,true);

RETURN true;

ELSE RETURN false;

END IF;

END;

$$ LANGUAGE plpgsql;

\*\* select createadmin ('qazs','amr','walid','13-12-1993','123456','dev','amrwsk@gmail.com','agouza','sports');

1. Create a client profile

CREATE OR REPLACE FUNCTION createclient (userName text ,firstName text, lastName text, birthDate text,userPass text, userJob text, userEmail text,userAddress text,userInterests text) RETURNS boolean AS $$

DECLARE

Isuser boolean;

BEGIN

Select checkuser(username) into isuser;

IF Isuser = true THEN

INSERT INTO users (uname,fname,lname,bd,password,job,email, creditlimit, balance, address, interests, isAdmin) VALUES (username, firstName, lastName, birthdate, userPass, userJob,userEmail,0,0, userAddress,userInterests,false);

RETURN true;

ELSE RETURN false;

END IF;

END;

$$ LANGUAGE plpgsql;

\*\* select createclient ('qazs','amr','walid','13-12-1993','123456','dev','amrwsk@gmail.com','agouza','sports');

1. CREATE OR REPLACE FUNCTION checkUser (UserName text) RETURNS boolean AS $$

DECLARE

numberOfUsers int;

BEGIN

SELECT COUNT(\*) into numberOfUsers FROM users WHERE uname = UserName;

IF numberOfUsers = 0 THEN RETURN true;

ELSE RETURN false;

END IF;

END;

$$ LANGUAGE plpgsql;