**Please enter your name. (user table)**

**Please enter your age. (user table)**

**How would you describe your skin type? (skin\_type table)**

Oily, dry, combination, normal, sensitive

**How often do you experience breakouts? (break\_out table)**

Never, Rarely, Sometimes, Frequently

**What is your top skin concern?** **(concerns table)**

Acne, Dark spots, Redness, Wrinkles, Fine lines, Dryness, Oiliness, Large pores, Uneven texture

**What areas would you like to target with our products? (target\_areas table)**

Hands, Body, Face, Lips, Eyes

**Do you experience drier skin in the winter?**

Yes, No

**Do you spend a lot of time in the sun?**

Yes, No

CREATE TABLE **users** (

id SERIAL PRIMARY KEY,

name VARCHAR(100) NOT NULL,

age INT,

);

CREATE TABLE **products** (

id SERIAL PRIMARY KEY,

name VARCHAR(100) NOT NULL,

description TEXT,

image\_url TEXT,

);

// For question: **How would you describe your skin type?**

CREATE TABLE **skin\_types** (

id SERIAL PRIMARY KEY,

name VARCHAR(50) NOT NULL

);

INSERT INTO skin\_types (name) VALUES

('Oily'),

('Dry'),

('Combination'),

('Normal'),

('Sensitive');

// To combine the product with all the skin types it is used for

CREATE TABLE **product\_skin\_types** (

product\_id INT REFERENCES products(id) ON DELETE CASCADE,

skin\_type\_id INT REFERENCES skin\_types(id) ON DELETE CASCADE,

PRIMARY KEY (product\_id, skin\_type\_id)

);

// For question: **How often do you experience breakouts?**

CREATE TABLE **breakouts** (

id SERIAL PRIMARY KEY,

name VARCHAR(50) NOT NULL

);

INSERT INTO breakouts (name) VALUES

('Never'),

('Rarely'),

('Sometimes'),

('Frequently');

// To combine products with whether they are used to treat acne

CREATE TABLE **product\_breakouts** (

product\_id INT REFERENCES products(id) ON DELETE CASCADE,

breakout\_id INT REFERENCES breakouts(id) ON DELETE CASCADE,

PRIMARY KEY (product\_id, breakout\_id)

);

// For question: **What is your top skin concern?**

CREATE TABLE **concerns** (

id SERIAL PRIMARY KEY,

name VARCHAR(100) NOT NULL

);

INSERT INTO concerns (name) VALUES

('Acne'),

('Dark spots'),

('Redness'),

('Wrinkles'),

('Fine lines'),

('Dryness'),

('Oiliness'),

('Large pores'),

('Uneven texture');

// To combine products with the skin concerns they treat

CREATE TABLE **product\_concerns** (

product\_id INT REFERENCES products(id) ON DELETE CASCADE,

concern\_id INT REFERENCES concerns(id) ON DELETE CASCADE,

PRIMARY KEY (product\_id, concern\_id)

);

For question: **What areas would you like to target with our products?**

CREATE TABLE **target\_areas** (

id SERIAL PRIMARY KEY,

name VARCHAR(50) NOT NULL

);

INSERT INTO target\_areas (name) VALUES

('Hands'),

('Body'),

('Face'),

('Lips'),

('Eyes');

// To combine products with the areas they target

CREATE TABLE product\_target\_areas (

product\_id INT REFERENCES products(id) ON DELETE CASCADE,

target\_area\_id INT REFERENCES target\_areas(id) ON DELETE CASCADE,

PRIMARY KEY (product\_id, target\_area\_id)

);

// To save user responses

CREATE TABLE user\_responses (

id SERIAL PRIMARY KEY,

user\_id INT REFERENCES users(id) ON DELETE CASCADE,

skin\_type\_id INT REFERENCES skin\_types(id) ON DELETE SET NULL,

breakout\_id INT REFERENCES breakouts(id) ON DELETE SET NULL,

concern\_id INT REFERENCES concerns(id) ON DELETE SET NULL,

target\_area\_id INT REFERENCES target\_areas(id) ON DELETE SET NULL,

dry\_in\_winter BOOLEAN,

spends\_time\_in\_sun BOOLEAN

);

\*just an example

INSERT INTO product\_skin\_types (product\_id, skin\_type\_id)

VALUES

(1, 1), -- Hydrating Serum suitable for Dry skin

(1, 2), -- Hydrating Serum suitable for Oily skin

(1, 3), -- Hydrating Serum suitable for Combination skin

(1, 4); -- Hydrating Serum suitable for Normal skin