**A table to store user details:**

CREATE TABLE User (

UserID INT PRIMARY KEY AUTO\_INCREMENT,

Username VARCHAR(50) NOT NULL UNIQUE,

Password VARCHAR(255) NOT NULL,

Email VARCHAR(100) NOT NULL UNIQUE,

DateCreated TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

**The Profile table includes number of left and right swipes, and number of Barters for each.**

CREATE TABLE Profile (

ProfileID INT PRIMARY KEY AUTO\_INCREMENT,

UserID INT,

FirstName VARCHAR(50),

LastName VARCHAR(50),

Age INT,

Gender VARCHAR(10),

ProfessionalDetails VARCHAR(255),

Bio TEXT,

Barters INT DEFAULT 0, -- New field for number of successful connections

LeftSwipes INT DEFAULT 0, -- New field for number of left swipes

RightSwipes INT DEFAULT 0, -- New field for number of right swipes

FOREIGN KEY (UserID) REFERENCES User(UserID) ON DELETE CASCADE

);

**Interest Table**

CREATE TABLE Interest (

InterestID INT PRIMARY KEY AUTO\_INCREMENT,

UserID INT,

Type ENUM('Hobby', 'Like', 'Dislike'),

Description VARCHAR(255),

FOREIGN KEY (UserID) REFERENCES User(UserID) ON DELETE CASCADE

);

**Primary Location of User**

CREATE TABLE Location (

LocationID INT PRIMARY KEY AUTO\_INCREMENT,

UserID INT,

Country VARCHAR(50),

State VARCHAR(50),

City VARCHAR(50),

Area VARCHAR(100),

FOREIGN KEY (UserID) REFERENCES User(UserID) ON DELETE CASCADE

);

**Connections Table**

CREATE TABLE Connections (

ConnectionID INT PRIMARY KEY AUTO\_INCREMENT,

ProfileID1 INT,

ProfileID2 INT,

DateConnected TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (ProfileID1) REFERENCES Profile(ProfileID) ON DELETE CASCADE,

FOREIGN KEY (ProfileID2) REFERENCES Profile(ProfileID) ON DELETE CASCADE

);

**Swipes**

CREATE TABLE Swipes (

SwipeID INT PRIMARY KEY AUTO\_INCREMENT,

FromProfileID INT,

ToProfileID INT,

SwipeType ENUM('Left', 'Right'),

SwipeSubtype ENUM('Red', 'Blue', 'Green') DEFAULT NULL,

DateSwiped TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (FromProfileID) REFERENCES Profile(ProfileID) ON DELETE CASCADE,

FOREIGN KEY (ToProfileID) REFERENCES Profile(ProfileID) ON DELETE CASCADE

);

**WATCHTIME**

**Major YouTube Domains**

1. Technology
2. Entertainment
3. Sports
4. Health
5. Education
6. News
7. Music
8. Lifestyle

CREATE TABLE YouTubeWatchTime (

WatchTimeID INT PRIMARY KEY AUTO\_INCREMENT,

UserID INT,

Domain ENUM('Technology', 'Entertainment', 'Sports', 'Health', 'Education', 'News', 'Music', 'Lifestyle'),

TimeSpent INT, -- Time spent in minutes

DateRecorded DATE,

FOREIGN KEY (UserID) REFERENCES User(UserID) ON DELETE CASCADE

);

**Example query 1:** Record Time Spent

INSERT INTO YouTubeWatchTime (UserID, Domain, TimeSpent, DateRecorded)

VALUES (1, 'Technology', 30, '2024-06-06');

**Example query 2**: Total Time Spent by a User on Each Domain

SELECT Domain, SUM(TimeSpent) AS TotalTime

FROM YouTubeWatchTime

WHERE UserID = 1

GROUP BY Domain;

**Example query 3:** Time Spent by All Users on a Specific Domain

SELECT UserID, SUM(TimeSpent) AS TotalTime

FROM YouTubeWatchTime

WHERE Domain = 'Entertainment'

GROUP BY UserID;