CREATE TABLE AppUser (

User\_id INT PRIMARY KEY,

Name VARCHAR2(255) NOT NULL,

Email VARCHAR2(255) UNIQUE,

Birthdate DATE,

Created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE Post (

Post\_id INT PRIMARY KEY,

Content CLOB NOT NULL,

Created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

User\_id INT,

FOREIGN KEY (user\_id) REFERENCES AppUser(user\_id)

);

CREATE TABLE UserComment (

Comment\_id INT PRIMARY KEY,

Content CLOB NOT NULL,

Created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

Post\_id INT,

User\_id INT,

FOREIGN KEY (post\_id) REFERENCES Post(post\_id),

FOREIGN KEY (user\_id) REFERENCES AppUser(user\_id)

);

CREATE TABLE PostLike (

User\_id INT,

Post\_id INT,

Liked\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

PRIMARY KEY (user\_id, post\_id),

FOREIGN KEY (user\_id) REFERENCES AppUser(user\_id),

FOREIGN KEY (post\_id) REFERENCES Post(post\_id)

);

CREATE TABLE Friendship (

User\_id1 INT,

User\_id2 INT,

Since\_date DATE,

PRIMARY KEY (user\_id1, user\_id2),

FOREIGN KEY (user\_id1) REFERENCES AppUser(user\_id),

FOREIGN KEY (user\_id2) REFERENCES AppUser(user\_id)

);

CREATE TABLE Message (

Message\_id INT PRIMARY KEY,

Content CLOB NOT NULL,

Sent\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

Sender\_id INT,

Receiver\_id INT,

FOREIGN KEY (sender\_id) REFERENCES AppUser(user\_id),

FOREIGN KEY (receiver\_id) REFERENCES AppUser(user\_id)

);

CREATE TABLE AppGroup (

Group\_id INT PRIMARY KEY,

Name VARCHAR2(255) NOT NULL,

Description CLOB,

Created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

Admin\_id INT,

FOREIGN KEY (admin\_id) REFERENCES AppUser(user\_id)

);

CREATE TABLE Event (

Event\_id INT PRIMARY KEY,

Title VARCHAR2(255) NOT NULL,

Description CLOB,

Event\_date DATE,

Host\_id INT,

FOREIGN KEY (host\_id) REFERENCES AppUser(user\_id)

);

CREATE TABLE UserGroupMembership (

User\_id INT,

Group\_id INT,

PRIMARY KEY (user\_id, group\_id),

FOREIGN KEY (user\_id) REFERENCES AppUser(user\_id),

FOREIGN KEY (group\_id) REFERENCES AppGroup(group\_id)

);

CREATE TABLE UserEvent (

User\_id INT,

Event\_id INT,

PRIMARY KEY (user\_id, event\_id),

FOREIGN KEY (user\_id) REFERENCES AppUser(user\_id),

FOREIGN KEY (event\_id) REFERENCES Event(event\_id)

);