

# CODE: IG Clone Users Schema

## Section 14, Lecture 237

```
CREATE TABLE users (  
    id INTEGER AUTO_INCREMENT PRIMARY KEY,  
    username VARCHAR(255) UNIQUE NOT NULL,  
    created_at TIMESTAMP DEFAULT NOW()  
);
```

# CODE: IG Clone Photos Schema

## Section 14, Lecture 239

```
CREATE TABLE photos (  
  id INTEGER AUTO_INCREMENT PRIMARY KEY,  
  image_url VARCHAR(255) NOT NULL,  
  user_id INTEGER NOT NULL,  
  created_at TIMESTAMP DEFAULT NOW(),  
  FOREIGN KEY(user_id) REFERENCES users(id)  
);
```

# CODE: IG Clone Comments Schema

## Section 14, Lecture 241

```
CREATE TABLE comments (  
  id INTEGER AUTO_INCREMENT PRIMARY KEY,  
  comment_text VARCHAR(255) NOT NULL,  
  photo_id INTEGER NOT NULL,  
  user_id INTEGER NOT NULL,  
  created_at TIMESTAMP DEFAULT NOW(),  
  FOREIGN KEY(photo_id) REFERENCES photos(id),  
  FOREIGN KEY(user_id) REFERENCES users(id)  
);
```

# CODE: IG Clone Likes Schema

## Section 14, Lecture 243

```
CREATE TABLE likes (  
    user_id INTEGER NOT NULL,  
    photo_id INTEGER NOT NULL,  
    created_at TIMESTAMP DEFAULT NOW(),  
    FOREIGN KEY(user_id) REFERENCES users(id),  
    FOREIGN KEY(photo_id) REFERENCES photos(id),  
    PRIMARY KEY(user_id, photo_id)  
);
```

# CODE: IG Clone Followers Schema

## Section 14, Lecture 245

```
CREATE TABLE follows (  
    follower_id INTEGER NOT NULL,  
    followee_id INTEGER NOT NULL,  
    created_at TIMESTAMP DEFAULT NOW(),  
    FOREIGN KEY(follower_id) REFERENCES users(id),  
    FOREIGN KEY(followee_id) REFERENCES users(id),  
    PRIMARY KEY(follower_id, followee_id)  
);
```

# CODE: IG Clone Hashtags Schema

## Section 14, Lecture 248

```
CREATE TABLE tags (  
  id INTEGER AUTO_INCREMENT PRIMARY KEY,  
  tag_name VARCHAR(255) UNIQUE,  
  created_at TIMESTAMP DEFAULT NOW()  
);  
CREATE TABLE photo_tags (  
  photo_id INTEGER NOT NULL,  
  tag_id INTEGER NOT NULL,  
  FOREIGN KEY(photo_id) REFERENCES photos(id),  
  FOREIGN KEY(tag_id) REFERENCES tags(id),  
  PRIMARY KEY(photo_id, tag_id)  
);
```

# CODE: Complete IG Clone Schema

## Section 14, Lecture 249

```
CREATE TABLE users (  
  id INTEGER AUTO_INCREMENT PRIMARY KEY,  
  username VARCHAR(255) UNIQUE NOT NULL,  
  created_at TIMESTAMP DEFAULT NOW()  
);  
  
CREATE TABLE photos (  
  id INTEGER AUTO_INCREMENT PRIMARY KEY,  
  image_url VARCHAR(255) NOT NULL,  
  user_id INTEGER NOT NULL,  
  created_at TIMESTAMP DEFAULT NOW(),  
  FOREIGN KEY(user_id) REFERENCES users(id)  
);  
  
CREATE TABLE comments (  
  id INTEGER AUTO_INCREMENT PRIMARY KEY,  
  comment_text VARCHAR(255) NOT NULL,  
  photo_id INTEGER NOT NULL,  
  user_id INTEGER NOT NULL,  
  created_at TIMESTAMP DEFAULT NOW(),  
  FOREIGN KEY(photo_id) REFERENCES photos(id),  
  FOREIGN KEY(user_id) REFERENCES users(id)  
);  
  
CREATE TABLE likes (  
  user_id INTEGER NOT NULL,  
  photo_id INTEGER NOT NULL,  
  created_at TIMESTAMP DEFAULT NOW(),  
  FOREIGN KEY(user_id) REFERENCES users(id),  
  FOREIGN KEY(photo_id) REFERENCES photos(id),  
  PRIMARY KEY(user_id, photo_id)  
);  
  
CREATE TABLE follows (  
  follower_id INTEGER NOT NULL,  
  followee_id INTEGER NOT NULL,  
  created_at TIMESTAMP DEFAULT NOW(),  
  FOREIGN KEY(follower_id) REFERENCES users(id),  
  FOREIGN KEY(followee_id) REFERENCES users(id),  
  PRIMARY KEY(follower_id, followee_id)  
);  
  
CREATE TABLE tags (  
  id INTEGER AUTO_INCREMENT PRIMARY KEY,  
  tag_name VARCHAR(255) UNIQUE,  
  created_at TIMESTAMP DEFAULT NOW()  
);
```

```
CREATE TABLE photo_tags (  
    photo_id INTEGER NOT NULL,  
    tag_id INTEGER NOT NULL,  
    FOREIGN KEY(photo_id) REFERENCES photos(id),  
    FOREIGN KEY(tag_id) REFERENCES tags(id),  
    PRIMARY KEY(photo_id, tag_id)  
);
```