

Create users table

```
CREATE TABLE users (  
  id SERIAL PRIMARY KEY,  
  username VARCHAR(255) NOT NULL,  
  password VARCHAR(255) NOT NULL  
);
```

Create posts table

```
CREATE TABLE posts (  
  id SERIAL PRIMARY KEY,  
  title VARCHAR(255) NOT NULL,  
  content TEXT NOT NULL,  
  image_url VARCHAR(255),  
  author_id BIGINT NOT NULL,  
  created_at TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,  
  updated_at TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,  
  CONSTRAINT fk_author  
    FOREIGN KEY(author_id)  
      REFERENCES users(id)  
);
```

Create comments table

```
CREATE TABLE comments (  
  id UUID PRIMARY KEY DEFAULT gen_random_uuid(),  
  post_id BIGINT NOT NULL,  
  content TEXT NOT NULL,  
  author_id BIGINT NOT NULL,  
  created_at TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,  
  updated_at TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,  
  CONSTRAINT fk_post  
    FOREIGN KEY(post_id)  
      REFERENCES posts(id),  
  CONSTRAINT fk_author  
    FOREIGN KEY(author_id)  
      REFERENCES users(id)  
);
```

Create indexes

```
CREATE INDEX idx_posts_author_id ON posts (author_id);  
CREATE INDEX idx_comments_post_id ON comments (post_id);  
CREATE INDEX idx_comments_author_id ON comments (author_id);
```