Users

PK	user_id	Integer
N	name	Text (Not Null)
N	email	Text (Not Null)
N	password	Text (Not Null)
N	profile_image	Text
N	location	Text
N	rating	Integer (Not Null)

Messages

PK	message_id	Integer
FK	sender_id	Integer
FK	receiver_id	Integer
N	content	Text (Not Null)
N	timestamp	Text (Not Null)

Resources

PK	resource_id	Integer
FK	user_id	Integer
N	title	Text (Not Null)
N	description	Text
N	images	Text
N	category	Text
N	availability	Text
N	date_posted	Text (Not Null)

Reviews

PK	review_id	Integer
FK	user_id	Integer
FK	reviewer_id	Integer
N	rating	Integer (Not Null)
N	comment	Text
N	timestamp	Text (Not Null)

Backend Development for Authentication

Implement user registration, login, and authentication functions within the **Flask backend**:

User Registration
- **Endpoint**: POST /register
- **Process**:
  - Accepts input fields like name, email, password, and location.
  - Hashes the password for security.
  - Inserts a new user into the **Users** table if the email is unique.

User Login
- **Endpoint**: POST /login
- **Process**:
  - Verifies email and password.
  - If correct, creates a session token (or JWT for more secure handling) to authenticate the user.

Authentication Middleware
- **Purpose**: Protects routes that require login.
- **Process**:
  - Checks for a valid token in requests to secured endpoints.
  - Allows access if the token is valid; otherwise, returns an authentication error.