

# Backend: Express

## Node JS – Simple Login and Register Endpoints

The following exercise contains the following subjects:

- Express
- User Registration
- User Login

### Instructions

Let's create a minimal Express server with two endpoints for user registration and login.

#### 1. Setup Express Server:

- Initialize a new Node.js project.
- Install the necessary dependencies, including `express`.

#### 2. Create User Schema: (if mongoose)

- Define a simple user schema with fields such as `username`, `email`, and `password` for storing user information.

#### 3. Implement Register Endpoint:

- Create an Express endpoint ( `/register` ) for user registration.
- Write the logic to handle user registration, including validation and avoiding duplicate users.
- If the registration is successful, respond with a message "User registered successfully."
- If there are validation errors or the user already exists, respond with an appropriate error message.

#### 4. Implement Login Endpoint:

- Create another Express endpoint ( `/login` ) for user login.
- Write the logic to handle user login, including validating credentials and generating a simple login success message.
- If the login is successful, respond with a message "User logged in successfully."
- If the user does not exist or the provided credentials are incorrect, respond with a login error message.

#### 5. Test Endpoints:

- Use tools like Postman or `curl` to test the `/register` and `/login` endpoints.

- Verify that the registration and login functionality work as expected.