API Endpoint: User Registration

# Endpoint Details

* **URL:** http://localhost:5000/api/user/register
* **Method:** POST
* **Description:** This endpoint registers a new user. It takes email, password, and

name as form data and returns a success message upon successful registration.

# Request Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Type** |  | **Required** | **Description** |
| email | string | Yes |  | User's email address |
| password | string | Yes |  | User's password |
| name | string | Yes |  | User's name |

**Test Cases**

1. **Successful Registration**
   * **Description:** Verify that a user can register with valid data.

## Input:

* + - email: [valid@example.com](mailto:valid@example.com)
    - password: validpassword
    - name: Valid Name

## Expected Response:

* + - **Status Code:** 201 Created
    - **Body:** JSON object containing a success message

1. **Missing Email**
   * **Description:** Verify that the API returns an error when the email is missing.

## Input:

* + - password: validpassword
    - name: Valid Name

## Expected Response:

* + - **Status Code:** 400 Bad Request
    - **Body:** JSON object containing an error message about the missing email

1. **Missing Password**
   * **Description:** Verify that the API returns an error when the password is missing.

## Input:

* + - email: [valid@example.com](mailto:valid@example.com)
    - name: Valid Name

## Expected Response:

* + - **Status Code:** 400 Bad Request
    - **Body:** JSON object containing an error message about the missing password

1. **Missing Name**
   * **Description:** Verify that the API returns an error when the name is missing.

## Input:

* + - email: [valid@example.com](mailto:valid@example.com)
    - password: validpassword

## Expected Response:

* + - **Status Code:** 400 Bad Request
    - **Body:** JSON object containing an error message about the missing name

1. **Invalid Email Format**
   * **Description:** Verify that the API returns an error when the email format is invalid.

## Input:

* + - email: invalidemail
    - password: validpassword
    - name: Valid Name

## Expected Response:

* + - **Status Code:** 400 Bad Request
    - **Body:** JSON object containing an error message about the invalid email format