Giai đoạn 2:

1. **Frontend React:**

- Tạo Login.jsx:

```jsx
import React, { useState } from 'react';
import { useHistory } from 'react-router-dom';
import { toast } from 'react-toastify';
import axios from 'axios';
import { useAuthContext } from '../../contexts/AuthContext';

const Login = () => {
  const { setAuthToken } = useAuthContext(); // AuthContext
  const history = useHistory();

  const [username, setUsername] = useState('');
  const [password, setPassword] = useState('');

  const handleSubmit = async (e) => {
    e.preventDefault();

    try {
      const response = await axios.post('/api/auth/login', {
username, password });
      setAuthToken(response.data.token); // Set token in context
      localStorage.setItem('authToken', response.data.token); //
Lưu vào localStorage
      toast.success('Đăng nhập thành công!');
      history.push('/dashboard'); // Chuyển hướng tới trang
dashboard sau khi login
    } catch (error) {
      toast.error('Đăng nhập thất bại, vui lòng thử lại!');
    }
  };

  return (
    <div className="max-w-md mx-auto p-6 bg-white shadow-lg
rounded-lg">
      <h2 className="text-2xl font-semibold text-center
mb-4">Đăng Nhập</h2>
      <form onSubmit={handleSubmit}>
        <div className="mb-4">
          <label htmlFor="username" className="block text-sm
font-medium text-gray-700">Tên đăng nhập</label>
          <input
```

```jsx
            type="text"
            id="username"
            className="w-full px-4 py-2 border border-gray-300
rounded-md focus:outline-none focus:ring-2 focus:ring-blue-500"
            value={username}
            onChange={(e) => setUsername(e.target.value)}
            required
          />
        </div>
        <div className="mb-6">
          <label htmlFor="password" className="block text-sm
font-medium text-gray-700">Mật khẩu</label>
          <input
            type="password"
            id="password"
            className="w-full px-4 py-2 border border-gray-300
rounded-md focus:outline-none focus:ring-2 focus:ring-blue-500"
            value={password}
            onChange={(e) => setPassword(e.target.value)}
            required
          />
        </div>
        <button type="submit" className="w-full py-2 bg-blue-500
text-white rounded-md hover:bg-blue-600">
          Đăng nhập
        </button>
      </form>
    </div>
  );
};

export default Login;
```

- Tạo Register.jsx:

```jsx
import React, { useState } from 'react';
import { useHistory } from 'react-router-dom';
import { toast } from 'react-toastify';
import axios from 'axios';

const Register = () => {
  const history = useHistory();
```

```jsx
  const [username, setUsername] = useState('');
  const [password, setPassword] = useState('');
  const [confirmPassword, setConfirmPassword] = useState('');

  const handleSubmit = async (e) => {
    e.preventDefault();

    if (password !== confirmPassword) {
      toast.error('Mật khẩu không khớp!');
      return;
    }

    try {
      await axios.post('/api/auth/register', { username, password
});
      toast.success('Đăng ký thành công!');
      history.push('/login'); // Sau khi đăng ký xong, chuyển đến
trang login
    } catch (error) {
      toast.error('Đăng ký thất bại, vui lòng thử lại!');
    }
  };

  return (
    <div className="max-w-md mx-auto p-6 bg-white shadow-lg
rounded-lg">
      <h2 className="text-2xl font-semibold text-center
mb-4">Đăng Ký</h2>
      <form onSubmit={handleSubmit}>
        <div className="mb-4">
          <label htmlFor="username" className="block text-sm
font-medium text-gray-700">Tên đăng nhập</label>
          <input
            type="text"
            id="username"
            className="w-full px-4 py-2 border border-gray-300
rounded-md focus:outline-none focus:ring-2 focus:ring-blue-500"
            value={username}
            onChange={(e) => setUsername(e.target.value)}
            required
          />
        </div>
        <div className="mb-4">
```

```jsx
          <label htmlFor="password" className="block text-sm
font-medium text-gray-700">Mật khẩu</label>
          <input
            type="password"
            id="password"
            className="w-full px-4 py-2 border border-gray-300
rounded-md focus:outline-none focus:ring-2 focus:ring-blue-500"
            value={password}
            onChange={(e) => setPassword(e.target.value)}
            required
          />
        </div>
        <div className="mb-6">
          <label htmlFor="confirmPassword" className="block
text-sm font-medium text-gray-700">Nhập lại mật khẩu</label>
          <input
            type="password"
            id="confirmPassword"
            className="w-full px-4 py-2 border border-gray-300
rounded-md focus:outline-none focus:ring-2 focus:ring-blue-500"
            value={confirmPassword}
            onChange={(e) => setConfirmPassword(e.target.value)}
            required
          />
        </div>
        <button type="submit" className="w-full py-2 bg-blue-500
text-white rounded-md hover:bg-blue-600">
          Đăng ký
        </button>
      </form>
    </div>
  );
};

export default Register;
```

- Tạo Unauthorized.jsx:

```jsx
import React from 'react';

const Unauthorized = () => {
  return (
```

```
    <div className="flex items-center justify-center h-screen
bg-gray-100">
      <div className="bg-white p-8 rounded-lg shadow-lg
text-center">
        <h1 className="text-4xl font-semibold
text-red-500">403</h1>
        <p className="mt-4 text-xl text-gray-700">Bạn không có
quyền truy cập trang này.</p>
      </div>
    </div>
  );
};

export default Unauthorized;
```