

Route Group

A Route Group allows us to logically organize our routes and project files without altering the URL path structure. It's a way to group related routes and files together for better organization and management.

Implementing Authentication Routes

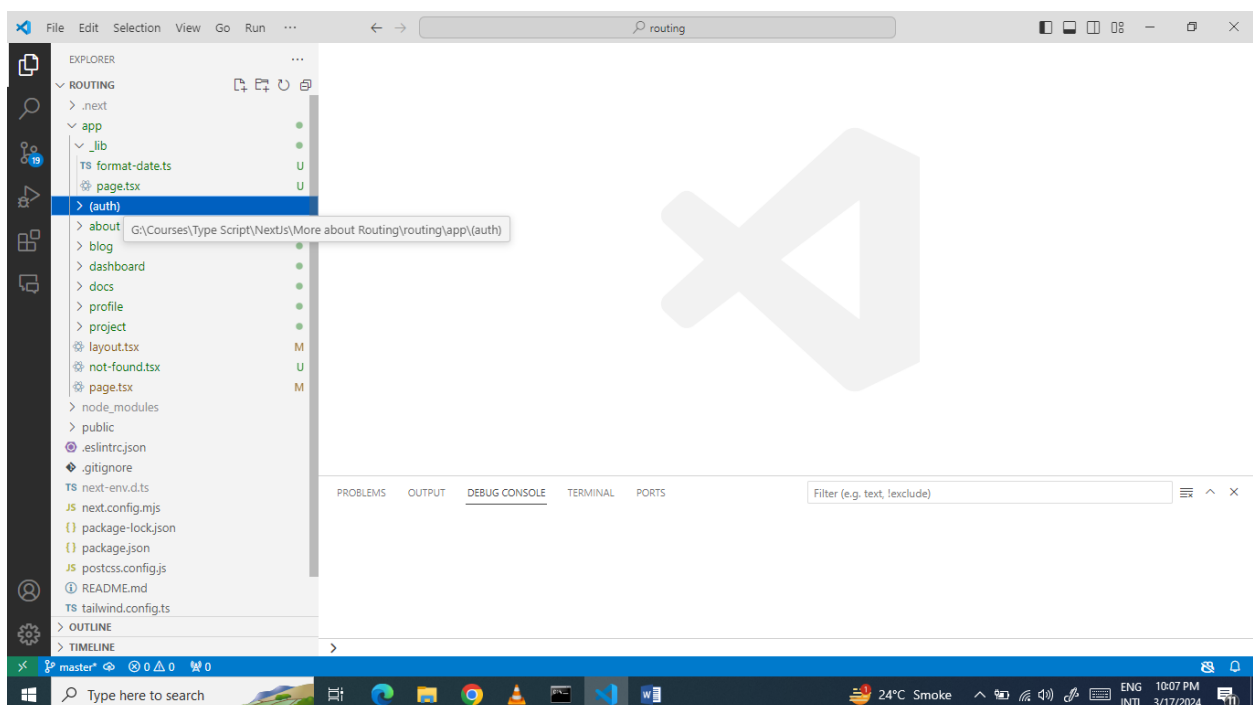
To implement authentication routes, we'll create several endpoints for actions like registering, logging in, and recovering forgotten passwords.

Register Route: This route will handle user registration. Users will provide necessary information to create an account.

Login Route: This route will authenticate users by verifying their credentials against stored data. Upon successful authentication, users will gain access to protected resources.

Forgot Password Route: This route will allow users to reset their passwords if they forget them. It typically involves a verification process to ensure the security of the account.

To implement these routes, we'll create a dedicated folder named "auth" inside app folder. The parentheses around "auth" signify that it's a Route Group, and its name won't be reflected in the URL directly. This means that accessing files within this group won't require including "auth" in the URL path.



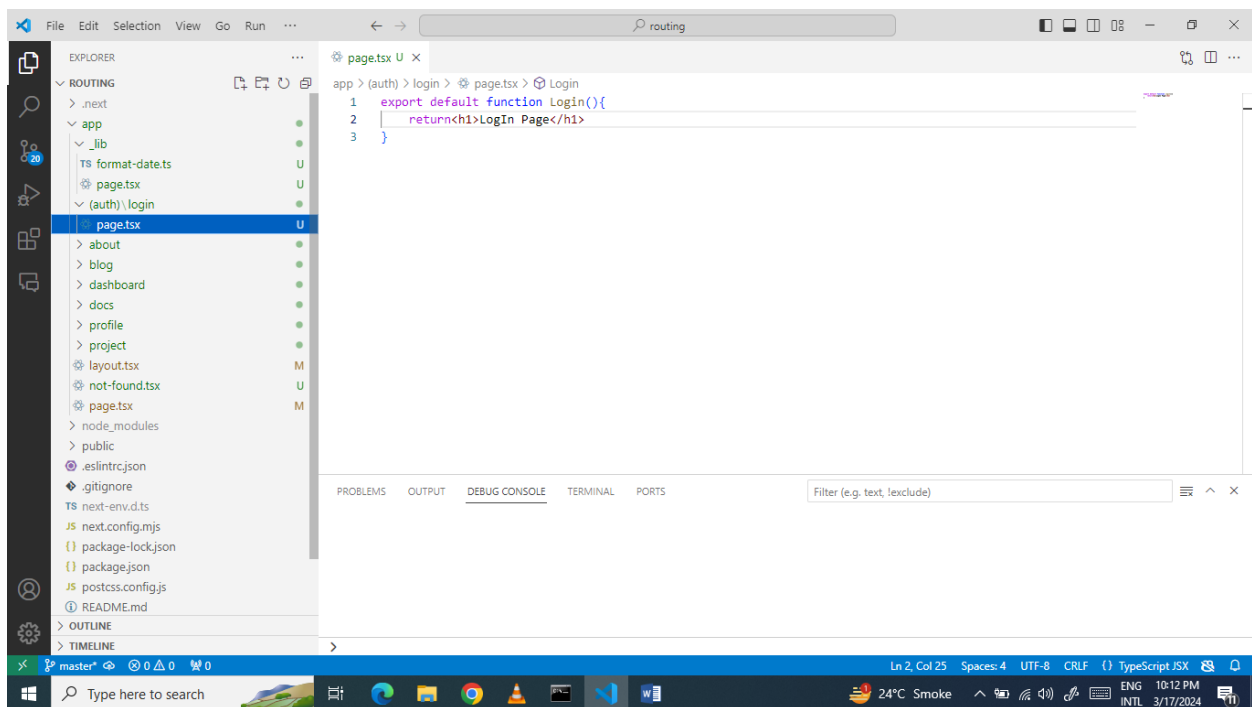
Organizing Authentication Components

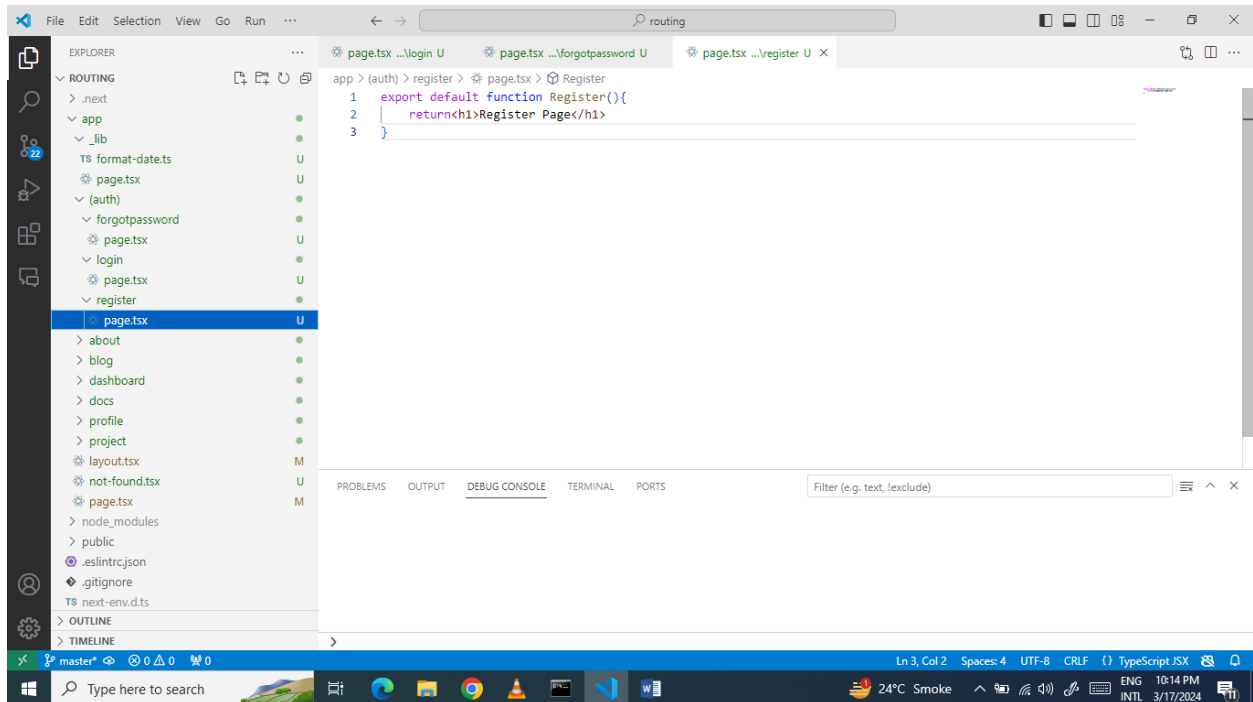
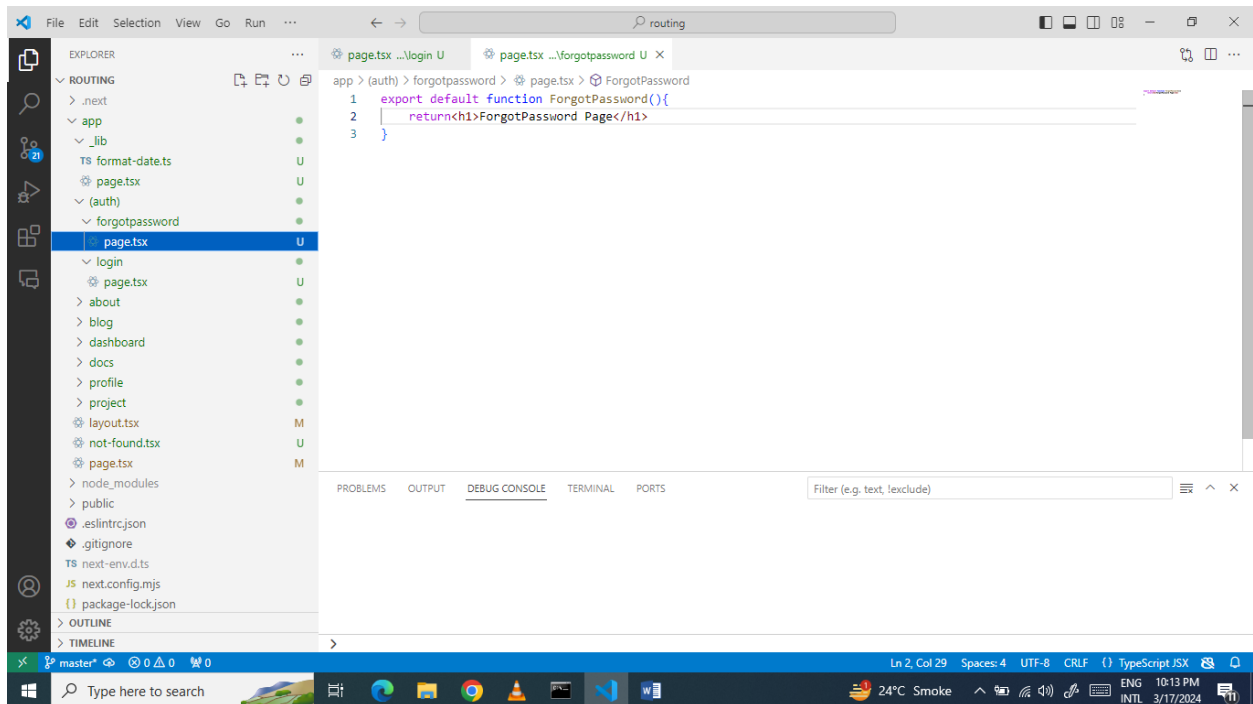
Inside the "auth" folder, we'll further create three folder Login , Register and Forgot Password folder. Also create page.tsx file in respective folder, this file will serve as a common entry point or template for rendering authentication-related page:

Login Folder: This folder will contain files related to the login functionality.

Register Folder: This folder will contain files related to user registration.

Forgot Password Folder: This folder will contain files related to password recovery.





Accessing Authentication Pages

Once the routes and files are set up, accessing authentication pages is straightforward. We can navigate to each page using simple URL paths, such as:

localhost:3000/login

localhost:3000/register

localhost:3000/forgotpassword

These paths correspond to the respective authentication actions, allowing users to seamlessly navigate through the authentication process.

By organizing our routes and files in this manner, we ensure a clean and structured approach to authentication within our application.



LogIn Page





Register Page



ForgotPassword Page

