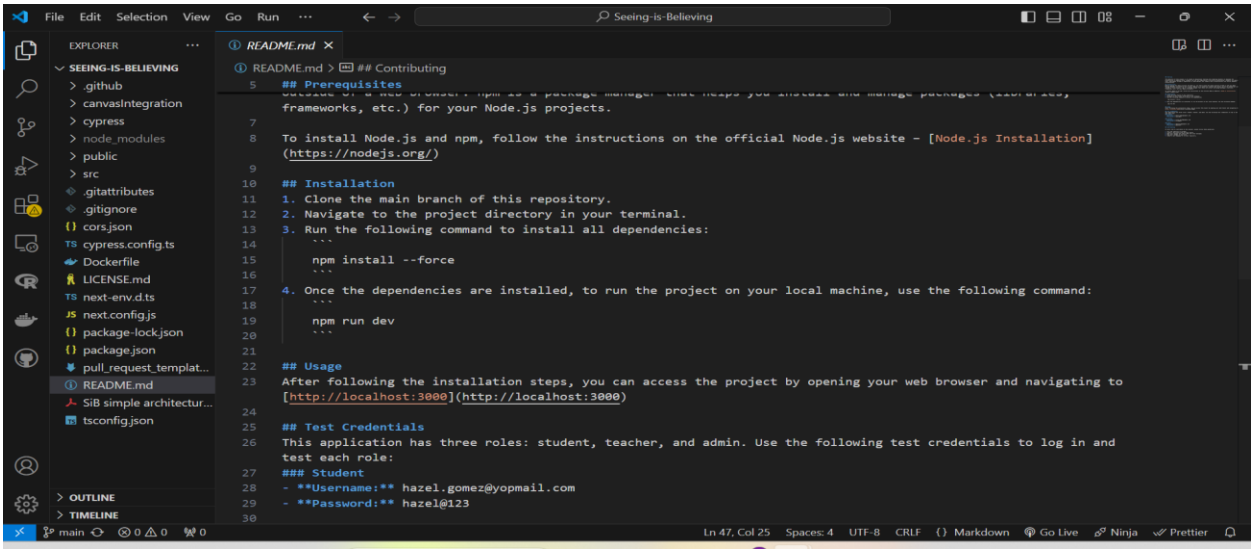
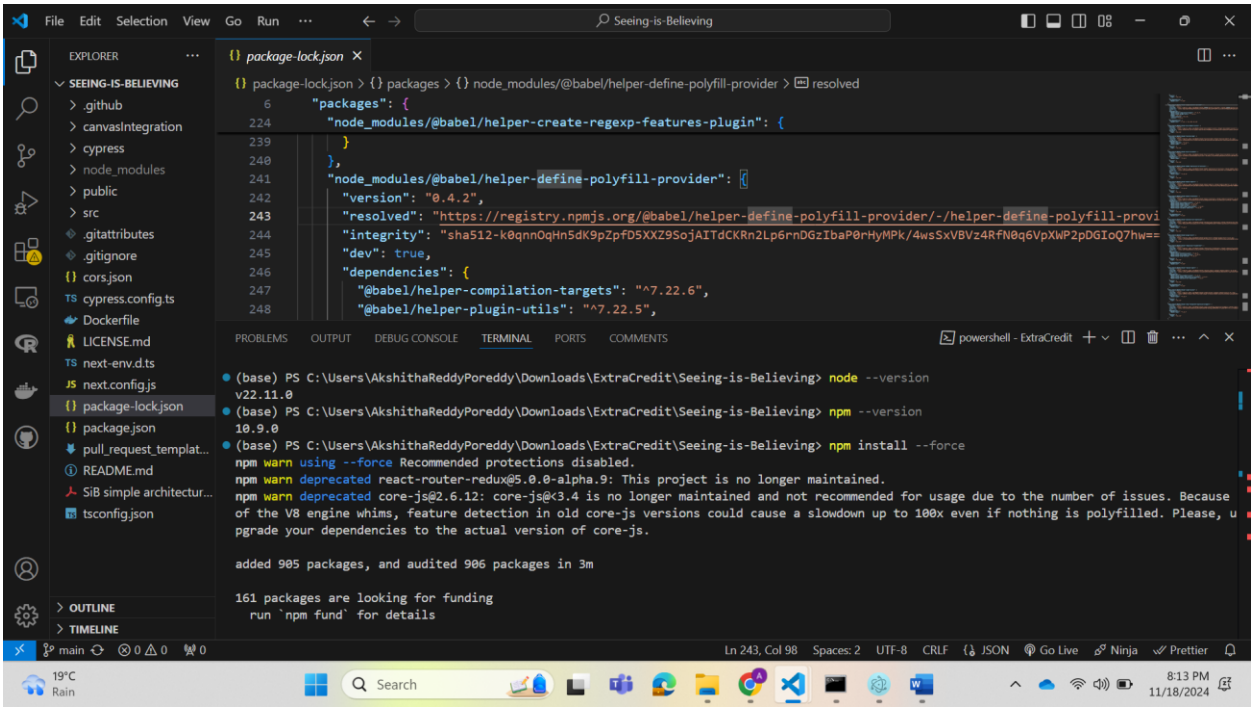
Report on Extra Credit Assignment

1)Fork the Repository

2)Clone the Repository

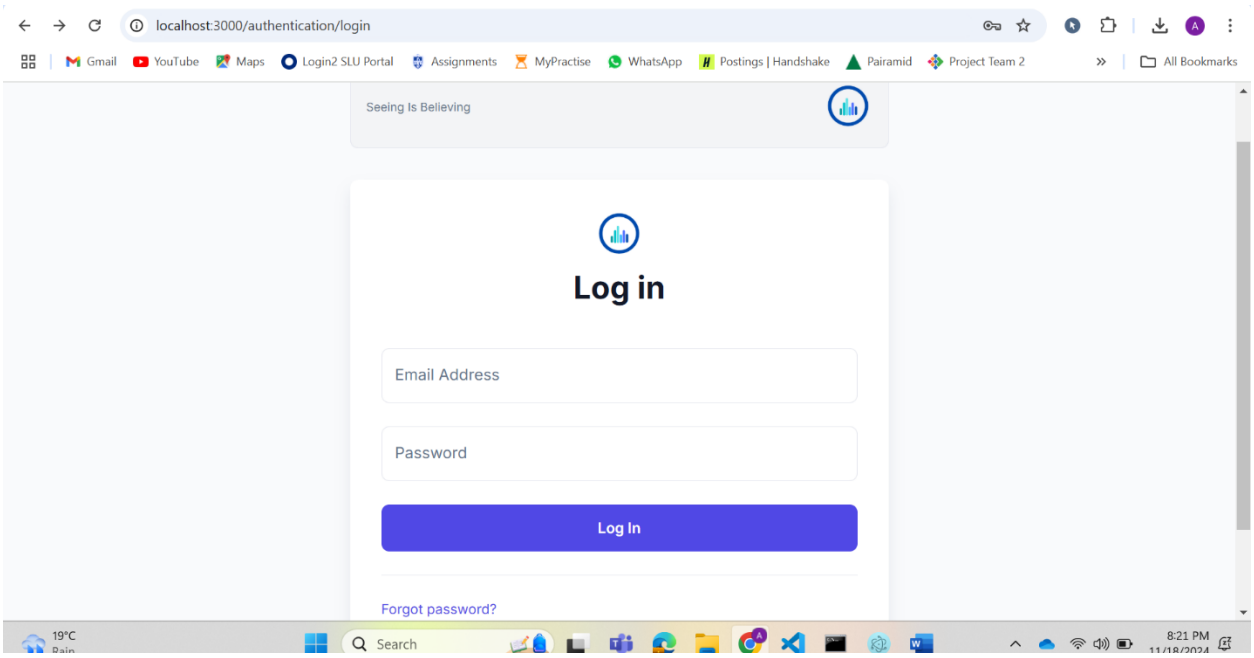
3)Follow the instructions as given on readme file





4)Install npm on your system and start the npm

5)run the dev environment



-A Next.js application is organized to facilitate both server-side rendering and static site generation, making it highly efficient for modern web development. At the core, the application structure revolves around the pages directory, which automatically maps files to routes in the web application. For instance, pages/index.js serves as the homepage, while files in the pages/api directory define API endpoints. The pages/_app.js file acts as a custom App component, useful for maintaining global state, injecting global styles, or applying common layouts across different pages.

-For modularity and reusability, the components directory houses React components that can be used throughout the application. Configuration settings and environment variables are managed via next.config.js and .env.local files, respectively, enabling customization of the build process and secure handling of sensitive data.

6)Create the React Native Project Separately

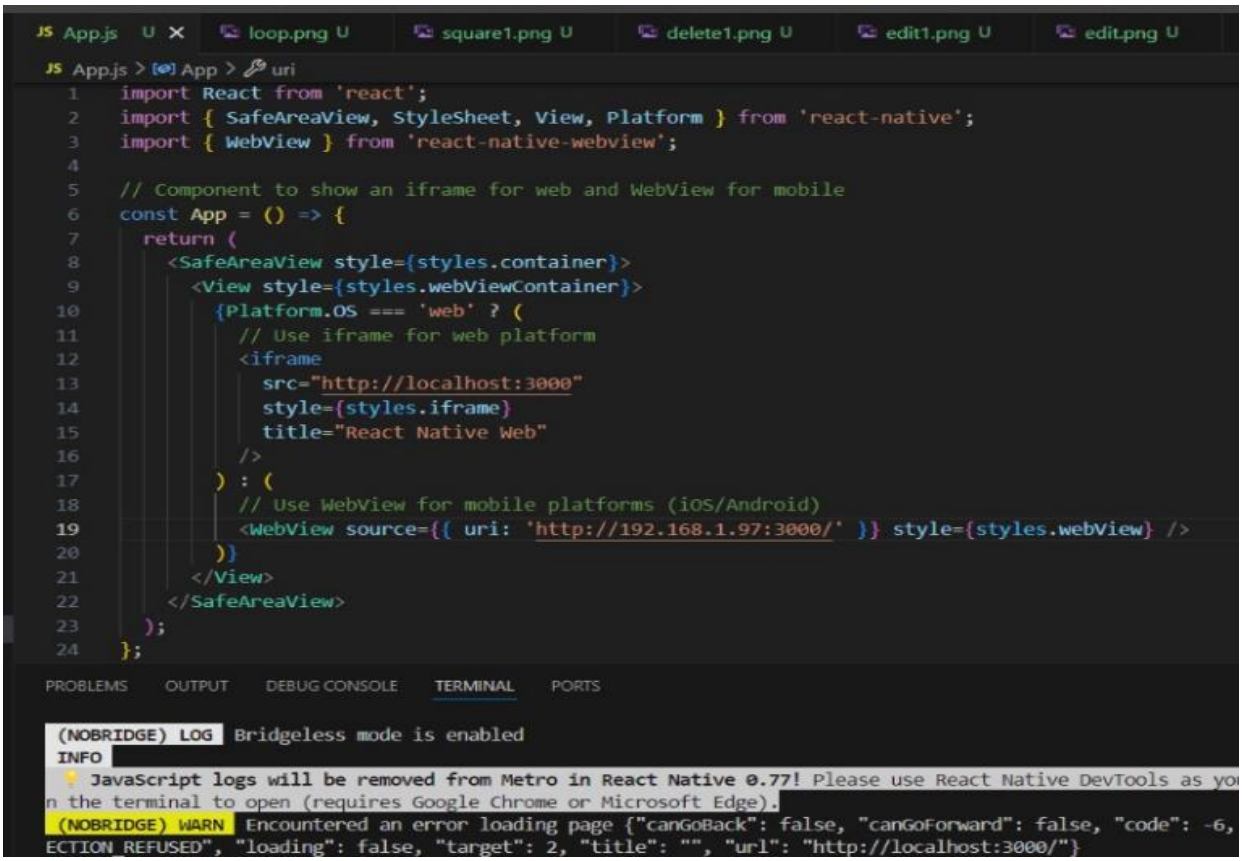
7)Modify the App.js file to create connection between the react native to run application on device and next js application.

8) To connect a Next.js application with a React Native app using a local server, you start by running the Next.js server on your local machine, typically accessible at http://localhost:3000. Next, you identify your machine's local IP address using system commands like ipconfig on windows.

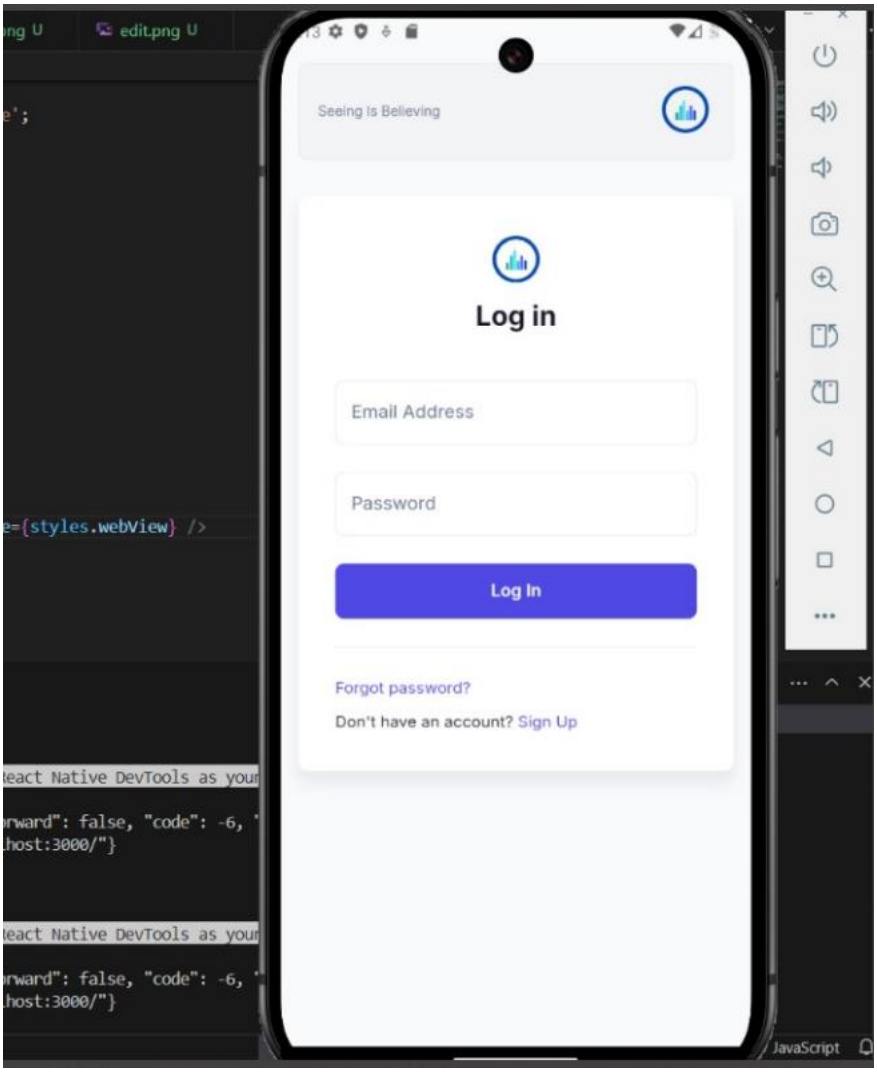
9) With the local IP address, you update the React Native application's WebView component to load the Next.js app by replacing localhost with your machine's IP address, such as http://192.168.x.x:3000. Finally, you run the React Native app on an emulator or physical device

using npx react-native run-android, allowing the mobile app to display the Next.js application hosted on your local server.

10) This setup leverages the WebView component to render the web content within the native mobile environment, facilitating a seamless integration between the web and mobile platforms.



-When the emulator is running the react native application, type the local host address in the web browser of emulator then it displays the authentication page.



-The point to be added is there is process.env file in the folder which is missing, it does contain the secure API Key which can run the whole application, so because of that the login details were not working to go inside the website.

-Finally, I have done the extra credit assignment as much as possible because the code cloned from github also has many errors which took time to solve and run the mobile application.

Git hub Link:

Seeing-Is-Believing: https://github.com/PoreddyAkshitha/Seeing-is-Believing

React Native Application: https://github.com/PoreddyAkshitha/React-Native-Application-for-SiB

Pull Request also submitted.