**Description**

browser version: Chorme: 118.0.5993.118 (Official Build)(64 bit)

Microsoft Edge: 118.0.2088.76 (Official Build) (64 bit)

Operating System: Windows 10 Version: 22H2 64bit

System: x64-based PC

1. How to test the code

* Fill the same email address of server in **config.ts**
* Navigate to **server** directory, “**npm run dev**” to run backend part
* Navigate to **client** directory, and use “**npm run start**” to open terminal;
* Open dist/index.html in Chorme or Edge
* Click the button in webpage to test

1. A short description of how AJAX helps web application:

**(refer:https://www.techstrot.com/what-is-ajax/#:~:text=Benefits%20of%20Using%20AJAX%201%201.%20Improved%20User,Faster%20Page%20Rendering%20and%20Improved%20Response%20Time%20)**

* AJAX allows increase developer’s efficiency and improve User experience;
* AJAX refers to the use of HTTP requests and use JavaScript to send and retrieve data from server asynchronously without interfering other functions of a webpage;
* AJAX can make fewer calls to server, and so server just need to response with limited data, which can achieve decreasing server load and reducing page load times;
* AJAX engine sits in between client and server, which can improve responsiveness by minimizing delays;
* AJAX can support multiple browsers, so developers just need write once, which decreases development time.