Web Technologies Coursework 2 Report

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**Introduction**

For this project, I have been tasked with updating my previous webpage by allowing server functionality which includes being able to persist data about messages and users for future use of the website. There also must be client-side updates, which are supported by the server-side elements, that include; a sign-up system, a login system, the ability to send messages to other users and the ability to read messages sent by other users. Before starting to plan out how I would approach this task I read multiple sources for a more advanced look on how this whole project could be done efficiently and to a high standard (Syed, 2014), (Mardan, 2014). These sources allowed me to gain more of an insight into how ‘node js’ and ‘express js’ are used and how I could implement the strategies discussed into my own project with my own takes on them. This was all done using the ‘node js’ and ‘express js’ server which allowed me to put my site on a localhost server that hosts the site and allows for both client and server side elements for each user. On my site, I have implemented all the features that I was tasked with doing. Firstly, when entering the site, you are brought to the login page which allows you to either login using your entered email and password or signup for the webpage. The signup page allows the user to enter their first and last names, their email address and a password, which, if no errors are found, is then stored. When a user logs in, they are then taken to the home page which is the page from the last coursework but updated with ‘send message’ and ‘inbox’ buttons. These buttons take you to the message and inbox pages respectfully, message is where a message can be sent to another user and inbox is where a user can look at the messages sent to them.