Coursework 2 Report.

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Introduction

For this coursework, the previous coursework is getting turned into a web messaging application. The website "Cyphermania" is going to go from just encrypting input, to storing it and sending it from user to user. The information page from the CW1 is adapted and will be linked to in the footer so the average user can make educated choice of encryption.

Software Design

Cyphermania is changing quite a bit, almost all the html from before will be useless. It will be 7 html pages, index, signup, signin, main, new message, view message and information. In the index, the user will choose to either sign in or sign up, which will both have links to eachother in case user already has a forgotten account. When user has signed up, the page redirects to the sign in page. Sign in redirects to main, where a list of messages can be found. Main will have a button for new message, and the possibility to press a message to display it on a new page. Display message will have the new message code added on underneath so the user can reply. On all pages it will be possible to press "sign out", or "sign in" depending if user is signed in or not. Main, NewMessage and ViewMessage will not be available until user is logged in. There will be one script for everything, where there's different functions that will be called.

Implemention

Critical Evaluation of Implemention

While implementing this, there was some issues figuring out how to use node. When this was solved, the realisation that my plans were too complex settled in and I decided to go for the bare minimum. My website has no security.

Personal Evaluation

I've learned a lot from doing this coursework, both about the different languages and about my own patience. I've also learned about how complete set restrictions can make it hard to find resources to learn from.

References

Lecture material

https://stackoverflow.com/questions/35605226/how-to-send-message-through-html-form-using-javascript

http://www.sqlitetutorial.net/sqlite-nodejs/

https://www.w3schools.com/js/js_validation.asp