Internet and Web Systems-1

PROJECT REPORT - 7

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Milestones Completed:
- Created the skeleton for popup.js and content_script.js for the chrome extension
- Created 3 different UI for the chrome extension according to the tab and the id selected. If the password field in a website is selected, it will be a password mode or else another mode which just gives the hash value back when there is no mode selected.
- Created functions in content_script for checking whether the field selected is for the password input. And also whether it is active or not.(user has to click on a password field while using the chrome app for autofilling the password)
- Created another function for content_script for checking whether the element is input of type password or not.

Next task:
- Finding the encryption algorithm to encrypt the password along with the domain.
- Making different number of rounds for encrypting the password to make it unable to backtrack.
- Figure out a a way to connect the encryption algorithm with the logic I have already created for my skeleton UI and js

Problem Faced
- Major problem faced is a chrome extension.
- Content_script and popup.js is very new to me and learning how the chrome extension works is interesting but not easy.

References:
1. https://www.movable-type.co.uk/scripts/sha256.html
2. https://www.sitepoint.com/create-chrome-extension-10-minutes-flat/
3. https://medium.freecodecamp.org/how-to-create-and-publish-a-chrome-extension-in-20-minutes-6dc8395d7153
4. https://robots.thoughtbot.com/how-to-make-a-chrome-extension