Internet and Web Systems-1

PROJECT REPORT - 10

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Milestones Completed:
- Hosted the chrome extension.
- Chrome extension bug fixes finished.
- Created the JavaScript skeleton for the webpage
- Completed integrating the crypto algorithm to the webpage

Next task:
- Complete the webpage integration with the scripting crypto hashing.
- Hosting for the web application using dockers

Problem Faced
- Stuck with the integration of the DOM with the webpage because of the crypto algorithm for a long time. Because of some reason my DOM was not working
- Figuring out the way to host the chrome extension since this was my first time doing it and also, I needed to change a lot of pixel configuration before hosting the extension in the chrome.

How I solved the problems?
- Figured out that they crypto algorithm is not compatible when I call it from the normal java script code and I have to import the required package to run the crypto algorithm in the java script code.
- Converted all the icons and screenshots to its required pixels to host the application in the google chrome store. It was a lot of learning since this was the first time, I was doing a hosting for chrome extension.

Description:
Let's say someone wants to access their chrome page extension. I made the extension in such a way that if they click at the password field of their website and try to click enter in the chrome extension, it automatically fills the password field in the webpage. I have a major problem to solve here. Which is what happening if the url changes, or what happens if the end point of the api changes.

References:
1. https://www.digitalocean.com/community/tutorials/introduction-to-the-dom
2. https://developer.mozilla.org/en-US/docs/Learn/JavaScript/Client-side_web_APIs/Manipulating_documents
3. https://venturebeat.com/2018/10/01/google-updates-chrome-web-store-review-process-and-sets-new-extension-code-requirements/
4. https://developer.chrome.com/apps/hosting
5. https://support.google.com/chrome/a/answer/2663860?hl=en