In today's e-commerce environment passwords are a critical part of your defense. Passwords are getting longer and more complicated. They are also getting harder to remember.

There are software options available called "Password Managers" that will assist you in maintaing your passwords. For this assignment research password manager software and address the following questions.

What is a password manager and what does it do for you?

1. In general how does a password manager work?
2. How safe is it to use a password manager?
3. Based upon your research what are some of the leading password managers?
4. Do you or would you use a password manager?

Password managers work easily in a web browser on your laptop. ... Android phones let you use Dashlane or LastPass to log in to your apps automatically, after making a few simple tweaks to your settings; 1Password can fill in your usernames and passwords with a tap of a key on a dedicated keyboard. Password managers store your login information for all the websites you use and help you log into them automatically. They encrypt your password database with a master password – the master password is the only one you have to remember.

There is much debate on the safety of a password manager. According to telegraph.co.uk Sean Cassidy, chief technology officer of Defence Storm claims "Browser-based password manager extensions should no longer be used because they are fundamentally risky and have the potential to have all of your credentials stolen without your knowledge by a random malicious website you visit or by malicious advertising." Despite fears, most experts in the field agree that password managers are still the safest way to secure online accounts. "I really, really hope this doesn't put people off using password managers," said Professor Alan Woodward, a cyber security expert at the University of Surrey, responding to the LastPass news. "In this day and time we have so many passwords and they need to be strong so you can't remember them. And Unless you can remember several complicated passwords it is the most efficient way to store passwords.

There are many password managers but some of the top secure ones are : LastPass, Dashlane, KeePass and 1Password. These password managers offer a service for a fee, but will not only secure your passwords, but help to generate complex passwords and save them in your digital wallet.

I would consider using a password manager if I owned a business, or had any monetary value. Currently I don’t and I don’t see the need to pay for a service.