Part A

The first application that I personally always install on my browser would be ad blocks as it does everything it says in the name, so you don’t end up clicking on one of the pop up adds by mistake when you are in with the chance to win millions…

The second application that I would install from research seems to be barracuda as it reverse-proxy-based protection for applications deployed in physical, virtual, or public cloud environments data centres. It will scan web applications for vulnerabilities and fix any vulnerabilities on command. They also have 24-hour support which is also a bonus.

I would also use HTTPS at all times. In quick research it showed that the FBI claims by simply using this that it makes sites like Google and Facebook difficult to wiretap. When sites only use HTTP it is prone to eavesdropping. HTTPS encrypts pages which makes it difficult for people to see what you are looking at.

One could also download Tor browser as it prevents anyone from seeing what sites you visit and prevents your location from being used. It also lets you access blocked sites which I will elaborate on in part B

List of Applications I use

* AD-Block (Blocks ads)
* Ghostery (blocks the invisible tracking cookies and plug-ins on many web sites)

In my personal opinion I think there is a bigger picture to everyone being tracked for example Facebook, absorbing multiple companies e.g whatsapp giving it access to your contacts on whatsapp. Facial recognition and so on. Who benefits the most from this? Maybe the government or someone with power over the government.

I believe it is possible but you will have to take a couple of steps like disabling cookies, location, javascript and using VPN’s etc.

Part B

It is called the deep web because, as it consists of data you won’t find on a normal google search so therefore won’t work with a normal configuration etc. It goes deeper into the web unlike the normal surface web which everybody has access to, as Content is hidden behind HTML forms.

As I have mentioned before in part A one can access the deep web by using the Tor web browser. There are dangers as technically accessing the deep web is technically illegal, as one can access websites with illegal services or products like drugs or even human trafficking. Used carefully though one can gain great knowledge which is not illegal, as long as you are cautious about what you are accessing.

About 90 percent and on is deep web, so one can see why the opposite is called the surface web as it is basically just scratching the surface of the world wide web.