Personal Reflection

Reflection on Project

When looking back at the project, the development was mostly positive as enough research was done on topics regarding the requirements and thus making the design and implementation smoother.

There were some issues however where some requirements were incompatible or redundant which was the case for the feature of using web crawlers to extract public information for the user, which was discarded as it was considered pointless although it could’ve been implemented in a way that it isn’t although due to time constraints it wasn’t possible. Although due to the project being developed using the Scrum methodology, it was easier to make changes to these requirements which reduced time consumption.

Overall, the project turned out to be successful from a developer’s point of view as within the given time a full-fledged password manager was developed while also providing features that are equivalent or even better than the features in these existing solutions.

Personal Reflection

Developing this system has tremendously helped increase the knowledge and experience of coding using the .NET framework, and since C# was used as the programming language, instead of using WinForms for the UI, UWP (Universal Windows Platform) could’ve been used where not only could the UI be more customisable and cleaner, but also, it’d allow the application to be cross-platform through other Windows devices such as on mobile, consoles, and more rather than just desktop. However, as previously mentioned in section 7.1, there’s a security flaw in using the .NET framework for developing applications such as this, and so, a secure programming language such as Rust instead could’ve been learnt and used just for this application.

This project has also helped understand how a password manager works where considering that it only took a matter of months, it was rather simpler than thought to be and so, this system could’ve been more advanced through user feedback to form the requirements as there wasn’t feedback gathered before the development of the system. It can also be argued that not enough participants were used for user feedback, and thus not providing a strong validation on positive feedback towards the system. This could also be applied to the comparisons between competitors where less known password managers could’ve been researched as opposed to just some of the popular ones.