Collaborative Discussion 2 – Michael Geiger – Initial Post

In examining the Hijazi et al. (2014) I identified five causes of risk, which are expected to be the most common. These are:

1. Inadequate estimation of project time, cost, scope and other resources.

2. Developing the wrong user functions and properties.

3. Modules are developed by different programmers.

4. Too much complex system.

5. Continually changing Requirements.

Planning a software development can be a complex process. Expectations of the final product must be determined, necessary resources calculated and a realistic timetable drawn up. Since all these factors influence each other, miscalculations can quickly occur. The expectations of managers, developers and users of software can sometimes differ greatly. Insufficient communication can lead to the development of incorrect user functions.

Software is often developed in a team. A changing development team or a lack of agreement on the design of the software can lead to complications if the development process is not logged.

These circumstances can also lead to the development of an overly complex system.

Technical developments go hand in hand with new opportunities to increase the effectiveness of companies. Company structures or software requirements can change and must therefore be adjusted regularly. To meet these requirements,

practices must be developed to influence the final product during the SDLC to meet expectations while remaining on budget and on time.

When looking at the top 5 risks I identified during the SDLC, it is noticeable that the individual risks are mutually dependent and influence each other. A particularly common reason for the occurrence of the risks mentioned is miscommunication, which was identified by Hijazi et al. (2004) as a separate risk factor and should be emphasized because of its importance. However, since misunderstandings can arise in so many contexts, this risk factor was not taken into account when determining the top 5 list, but can be stated as one of the greatest risk factors, which can be found in various causes of risk.

References:

Hijazi, H., Alqrainy, S., Muaidi, H. & Khdour, T. (2014) RISK FACTORS IN SOFTWARE DEVELOPMENT PHASES. European Scientific Journal. 10(3): 1-20. Available from: https://www.researchgate.net/profile/Thair-Khdour/publication/266144501_Risk_Factors_in_Software_Development_Phases/links/542806610cf2e4ce940c36cc/Risk-Factors-in-Software-Development-Phases.pdf [Accessed 28 March 2022].