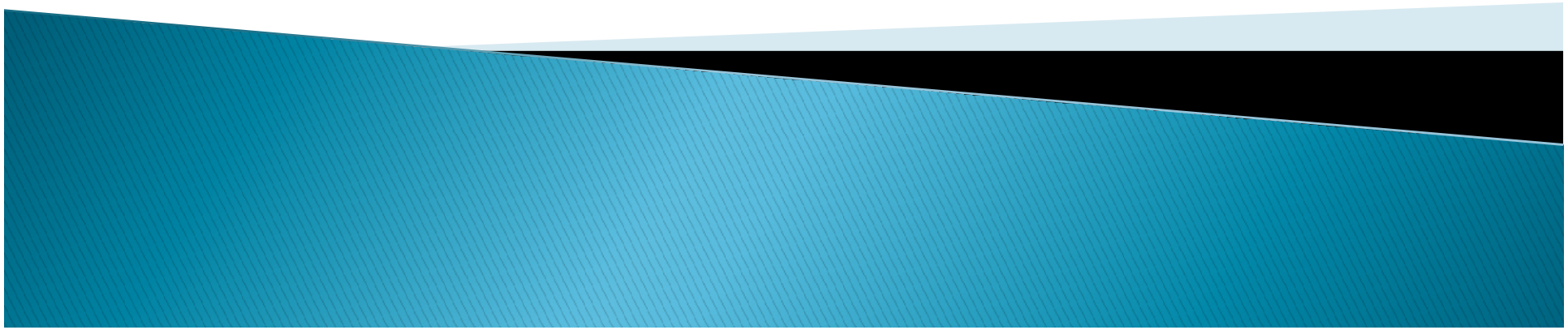
The Effect of Risk on the SDLC

Group 2



Top 5 causes of risks:

Risk	Mitigation Approach
1. Inadequate estimation of project time, cost, scope and other resources.	-Estimate must be based on previous implementation plans or similar deployments in the industry. -Conduct literature reviews, lessons learnt from previous implementations.
2. Developing the wrong user functions and properties.	-Detailed scoping with all stakeholders and users is required. -Sign off on project plan once started to ensure all stakeholders and users agree on functions and properties.
3. Modules are developed by different programmers.	All programmers involved in the project should be following the SDLC process and should agree beforehand on standards and syntax / structure of programming language.

Hijazi et al., 2014

Top 5 causes of risks:

Risk	Mitigation Approach
4. Too much complex system.	-Develop components that are modular and can be decoupled into smaller components making it easier to perform changes/enhancements. -Create README file / LLD (Low Level Design) document – which explains the architecture as well as all moving parts/components. - Creating flexibility to make changes.
5. Continually changing Requirements.	-Using Agile methodologies to cater for continually changing requirements. - Scrum approach.

Hijazi et al., 2014

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].