

SOEN 384 - Software Management, Measurement
and Quality Control
Assignment 4

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Part 1 - Question

1. \$20'000
2. c)
3. Establishing threshold indicate when the risk is no longer acceptable and actions need to be taken.
4. Risk transfer.
5. Risk acceptance. Since the risk cannot be mitigated, transferred, or avoided, it must be accepted.
6. There risk of a power outage in a region that is prone to hurricane is a risk that should be taken into account. It could have been easily avoided by using emergency battery to provide power during the power outage.
7. b)
8. b)
9. b)
10. d)

Part 2 - Risk Identification and Risk Response Strategies

Project Risk Item	Risk Category	Risk response planning technique. Select the risk response strategy type used.
A. Parental leave of one of our developers	People risk	Early scheduling of key personnel: Risk mitigation
B. Volatile requirements	Requirements risk	Outsource the project abroad: Risk transference
C. Last minute changes to requirements	Requirements risk	Incremental prototyping: Risk mitigation

Part 3 - Identify Risks in your daily life.

1. Top 10 risks that might affect my next programming assignment:

Risk	Probability	Impact	Response
Unstable Internet Connection (Technology risk)	Low	Severe	Complete the assignment at a library with stable Wi-Fi (Risk mitigation)
Computer malfunction (Tool risk)	Very low	Severe	Make sure the computer is well maintained (Risk acceptance).
Teammate not completing their part (People risk)	Low	Severe	Do regular team meeting to discuss and review the progress of each team member (Risk acceptance)
Teacher not able to answer questions in time (People risk)	Very low	Small	Start assignment in advance so I can go to office hours to ask questions (Risk avoidance)
Instructions changing shortly before the deadline (Requirements risk)	Very low	Significant	Plan extra time at the end of the project in case instructions change (Risk acceptance)
Teammate not familiar with technology (People risk)	Normal	Small	Let teammate work on part of the assignment that does not require that technology (Risk Avoidance)
Required software not available on used Operating system (tool risk)	Very low	Severe	Use computer where technology already present (University lab computers) (Risk avoidance)
Short time allowed to complete the assignment (Estimation risk)	Low	Small	Start assignment as soon as posted (Risk acceptance)
I am not familiar with technology required (Technology risk)	Low	Small	Use known technology (Risk Avoidance)
Multiple deadlines up at the same time, leaving less time to work on the assignment (Organizational risk)	High	Negligible	Build a work plan for better time management (Risk mitigation)