

SOEN390 - Software Engineering Team Design Project  
Team 6 - Deliverable 1

# Risk Assessment and Management Plan (RMP)

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Done by:

Hoang Minh Khoi Pham 40162551  
Michaël Gugliandolo 40213419  
Jessey Thach 40210440  
Mahanaim Rubin Yo 40178119  
Vanessa DiPietrantonio 40189938  
Ahmad Elmahallawy 40193418  
Clara Gagnon 40208598  
Khanh Huy Nguyen 40125396  
Jean-Nicolas Sabatini-Ouellet 40207926  
Mohamad Mounir Yassin 40198854

Professor Junqiu Yang  
Department of Computer Science and Software Engineering  
Gina Cody School of Engineering and Computer Science

Concordia University

## Risk Assessment and Management Plan (RMP)

A risk is an event or condition that, if it occurs, could have a positive or negative effect on a project's objectives. Risk Management is the process of identifying, assessing, responding to, monitoring, and reporting risks. This Risk Management Plan defines how risks associated with the Condo Management software project will be identified, analyzed, and managed. It outlines how risk management activities will be performed, recorded, and monitored throughout the lifecycle of the project and provides templates and practices for recording and prioritizing risks.

The Risk Management Plan is created by the project manager in the Planning Phase of the CDC Unified Process and is monitored and updated throughout the project. The intended audience of this document is the project team, project sponsor and management.

Risks and assessments were identified by looking at the distribution of the workload, staffing, process, design, supplier, resources, and dependencies. Additionally, the team monitors test results as it pertains to failures and keeps an eye on the progress rate of different user stories and tasks. Reviewing potential shortfalls against expectations, and analyzing negative trends concerning the different technologies used.

Impact	Low	Medium	High
Probability			
Low			
Medium		R5, R6, R7, R8,R9	R3
High		R1	R2, R4

Figure 1: Risk management chart

Risk ID	Risk Type and Description	Risk Score	Resolved in Sprint	Strategy and Effectiveness
R1	Schedule: Schedule Risk	High	1	Avoidance: Develop Project Plan and break the team into smaller teams to allow easier scheduling.
R2	Management: Scope Creep	High	1	Acceptance: Breakdown the project into smaller manageable tasks.
R3	Technical: Narrow knowledge of the technology used	High	1	Mitigation: Have the team members familiarize themselves with the technology used outside the scope of the project.
R4	Management: Ambiguous Requirements	High	1	Mitigation: Incremental development
R5	External: Privacy leaks	Medium	N/A	Avoidance: Encrypting users credentials and conducting security tests for the software.
R6	Technical: Poor code quality	Medium	N/A	Avoidance: Continuously reviewing, testing, and refactoring the code
R7	Management: Lack of communication among team members	Medium	1	Acceptance: Develop daily communication channels
R8	Technical: Database performance	Medium	N/A	Mitigation: Use a more reliable option
R9	Management: Low productivity from team members	Medium	N/A	Acceptance: Setting achievable deadlines would help prevent burnout and increase motivation.

Table 1: List of identified risks