# Project: Risk Management

## Assignment Objectives:

On completing this assignment, you should be able to:

* Understand the notion of risk management and some of the risks that can arise in software projects

## Explanation:

This project will involve creating a risk management plan for your game jam entry.

## Instructions:

Follow the instructions below and answer the questions when indicated.

**Risk Management Plan**

**Task 1**

Review the 6 types of risk found and examples in section 22.1.1 of your textbook. Complete the risk identification chart below for your team’s entry in the game jam.

Things to consider when completing the chart below.

* What are your team’s objectives?
* What resources does your team depend on?
* What are the service delivery targets?
* Who are the stakeholders?
* What are the critical success factors (resource budgeting, core skills, staff buy in, IT systems, etc)?
* What are the potential sources of risk and change? (accidents, engineering failures, team availability, distribution failures, etc)

I would expect at least 1 possible risk for each risk type if not more for some types. Make any assumptions needed about the project to complete this task.

**Your Answer Below:**

|  |  |
| --- | --- |
| **Risk Type** | **Possible Risks** |
| Estimation | * No time to complete task * Improper estimation of skill |
| Organizational | * Hard to understand documentation * Scattered work force |
| People | * Uncooperative work force * Improperly divided types of task |
| Requirements | * Not reaching the goal of the module |
| Technology | * No access to programming languages |
| Tools | * No access to programming tools such as visual studio code |

**Task 2**

There are several templates that can be used to create a risk assessment. The one used for this assignment, entitled IT-Risk-Assessment-Matrix which is available in Canvas, is just one example of a risk assessment matrix template. Use the concepts discussed in section 22.1.2 of your textbook to fill in the spreadsheet and prioritize the possible risks listed in Task 1. Only fill out columns B - I on the spreadsheet for this task. Begin with the most impactful risk (i.e. Extreme internal and user impact, intolerable severity and very probable) and end with the least impactful and least improbable risk.

NOTE: Ref/ID can be the number listed as possible risk from Task 1.

**Task 3**

Use the concepts discussed in section 22.1.3 of your textbook to complete the IT-Risk-Assissment-Matrix spreadsheet by developing strategies to manage the key risks that threaten this project. Fill in columns J and K in the spreadsheet to identify triggers or signs that the risk is happening or will happen and what actions will be taken to Mitigate or remedy the risk. Your actions should be either an avoidance strategy, minimization strategy or contingency plan.

**Task 4**

Risks should be regularly assessed. Use the concepts discussed in section 22.1.4 of your textbook to complete the table below by identifying potential indicators is becoming more or less probable.

**Your Answer Below:**

|  |  |
| --- | --- |
| **Risk Type** | **Potential Indicators** |
| Estimation | Work not being done on time, Work being harder than imagined |
| Organizational | People being without work, People having too much work |
| People | People denying work, people working on other people’s work in spite and ignoring theirs |
| Requirements | A low grade where we expected something passing, very little deliverables |
| Technology | Computers being mean to us, Being unable to work with code |
| Tools | Tools shutting down, not being there, or being unable to work with others |

## When Completed

1. Save this document with your answers.
2. Submit this completed document and the spreadsheet in the assignment Dropbox.