Risk Assessment and Mitigation

TEAM 14 [ENG1]

1 Introduction and Justification - Part A

We decided to use three tables to illustrate the risk for the whole project. We first decided to break down what we meant by Severity and Probability of a situation, by breaking them down into tables. The first table (Severity Table) divides all risks into four different levels, 'Catastrophic', 'Critical', 'Marginal' and 'Negligible', this shows the impact that a risk may have. Then the second table (Probability Table) is about the probability of each situation happening. The last table (Risk Table) is about different situations and talks about the severity and probability of it, then there is also a solution or alternative about how to deal with it. We believed that allocating two tables to showing what was meant by 'Severity' and 'Probability' would allow anyone else viewing this document to clearly see what each level meant and would also help show them how to allocate a 'Severity' and a 'Probability' to a task as well as helping us keep our ratings consistent.

2 Tables - Part B

Severity Table

Severity	Possible Cause	Rating
Catastrophic	Lead to fail for the project	3
Critical	Serious trouble needed to be solved otherwise the project might not be continued	2
Marginal	Cause some trouble for the project but it can still be process	1
Negligible	Will not result in process of the project	0

Probability Table

Probability	Rating	Value
Probable	Likely to occur, immediately or shortly	3
Reasonably	Probably will occur in time	2
Remote	May occur in time	1
Extremely remote	Unlikely to occur	0

Risk Table

Situation	Influence	Severity	Probability	Mitigation
Task might not be finished on time	There are some connection between each task, it will affect the process of other task	critical	reasonably	solution: give a limited time for finishing the rest of the task
Teammate might meet some special situation	they will miss the process and cant finish the task	Marginal	remote	our team will always set at least 2 teammates to finish one task, therefore even if one of them can't do it, another teammate might finish it on time

teammate can't understand the task question	they can't continue the task	Critical	Reasonably	if teammate doesn't feel clear about a task, they can post them into Discord or just email tutor to make sense about that task
the work is not satisfied with the task	it might not give full mark in the group assessment	Catastrophic	Reasonably	our team usually shares what they did at the beginning of the discussion and checks about those works, so if this situation occurs, we will know it and modify it.
one of teammate never participating in tasks	it will leave more work to the rest of teammates	Critical	Extremely remote	If it does happen, we might contact our tutor to illustrate the situation and separate the task.
Some details of the game might not be implemented in the end	It will result in games and requirements not being met	Critical	Reasonably	If it happens, we will write it down in implementation part B, and show the details about it. Then we will work on it and finish it later.