

Risk Assessment and Mitigation

Group 12 - T12

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Risk Potential

Project

- Possibility of overpromising
- Poor role management
- Disregard for deadlines
- Members potentially unaware of plans/discussions in meetings

Development

- Contributors missing required tools/resources
- Unclear / uncommented code
- Lack of documentation
- Members become unavailable

ID	Type	Description	Likelihood	Severity	Mitigation
R1	Technology	Members of the group may lack the tools or experience with certain development tools like the game engine, slowing down development.	M	L	We will create an example branch on our GitHub repo with a simple project using our development environment so all members can easily familiarise themselves.
R2	People	Members of the development team may miss required deadlines for written work / commits.	H	M	We will try and make deadlines for commits in advance, so if someone misses the deadline, the group has time to provide support.
R3	Estimation	We may overpromise on features to the client and then struggle to successfully implement them in the given time.	M	H	We are having many meetings with each other and the client on requirements, and we will be honest on our own development abilities and our time restrictions.
R4	People	Members of the group could fail to attend meetings or produce work due to illness, leaving them behind the rest of the group.	M	M	We are holding weekly meetings to discuss the project. These will update all members of the group on the current project status.
R5	Technology	When importing libraries we may run into dependency issues from conflicting libraries, which could result in bugs or conflicts hindering development.	M	M	The group will discuss all libraries and tools to make sure that they are properly vetted before being utilised.

R6	Requirements	We could fail to meet one of the requirements given to us initially by our client.	M	H	These requirements will be given the highest priority during development, presumably higher than any potential extra features that we may wish to implement.
R7	Requirements	Requirements could change over time, resulting in us making an application that does not meet these new requirements.	L	H	During our weekly meetings, we can discuss whether any of the group believes that the project requirements have actually changed allowing us to be flexible throughout the project