Risk Matrix For IMS Project - Waleed Naseem

Impact

	1	2	3
1	Low	Low	Medium
2	Low	Medium	High
3	Medium	High	High

Likelihood

Risk Assessment For IMS Project - Waleed Naseem

ID	Risk Description	Likelihood Of Risk Occurring	Impact If The Risk Occurs	Severity (Based on impact and likelihood)	Owner (person who manages the risk)	Mitigating Action
1	Code Issues; ● Poorly written code. ● Difficult to read code. ● Program not running. ● Only some functions work.	2	3	High	Dev Team	Poor quality code can have an impact on software development. This can be mitigated by the following few steps; ● Testing the code frequently. ● Using coding best practices. ● Resolving bugs and logical errors when they're found. ● Ensuring Git-Hub is used to upload data on a forked branch.
2	Scope Creep; ● Unrealistic expectations. ● Complete change of project goals and outcomes.	1	2	Low	Stake Holder	In the case of this project, there will be no Scope Creep as it has been defined and will be unchanged till presented. Project scope changing can cause major risks in software development, it refers to a project scope completely morphing into something different. It can delay projects and cause you to miss deadlines and or extend timeframes.
3	Low productivity; ● Lack of understanding of project scope. ● Lack of experience in writing code. ● Reasonable timeframes for the project.	2	3	High	Dev Team	In the case of this project, as it is my first one there is a strong possibility of low productivity, majorly caused by being frustrated at certain code not working and being burnt out because of this. It can also be an issue for major companies, sometimes teams may struggle due to delays/employee burnout. This can be mitigated by; ● Finding a great motivational leader that can keep everyone motivated and manage the team. ● Ensuring the team communicates effectively about project details and problems. ● Ensure a good paced plan is made to lower stress amongst the team.

4	Stakeholder Issues; ● Lack of clarity for expectations. ● Lack of communication.	2	2	Medium	Stake Holder	In this project, just like scope creep, it's not something to worry about as our outcomes required have been predefined by stakeholders. However, in the workplace, issues can arrive with stakeholders, it's a huge risk as low engagement from them can lead to inaccurate expectations. To mitigate these issues we can; ● Communicate with shareholders more often and effectively. ● Involve stakeholders in team meetings.
5	Aggressive Deadlines; ● Undeliverable deadlines. ● Issues keeping up with demands.	2	3	High	Stake Holder	In this project again this won't be an issue as it's a deadline that is fixed and will not change. However, in the workplace these deadlines can be mitigated by; ● Using a Kanban Board and sticking to it. ● Ensuring that communication is up to date with stakeholders and other dev teams. ● Keeping up to date with project timelines.
6	Acts of God; ● Extreme weather events. ● Death. ● Natural disasters.	1	3	Medium	Stake Holder	This is very unlikely to affect this project. However, there is always an underlying chance of an event occurring. There are no mitigating circumstances for this particular risk as they are unpredictable.