ENG1 Team Project

Deliverable 5: Risk Assessment and Mitigation

Team 13 – Team Unlucky

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A) Risk Assessment

The risk assessment process our team conducted involved risk identification, analysis, planning, and monitoring. The way we formatted identified risks was:

- Risk ID, to allow for easy identification of a specific risk
- Risk type, so we know how and where the risk can cause issues to the project
- Description, a brief description of the risk to explain what it would be
- Likelihood, the likelihood of said risk from 1-5 (1 being unlikely, 5 being very likely)
- Severity, the seriousness said risk from 1-5 (1 being hardly noticeable, 5 being major)
- Mitigation, the action that would be taken to mitigate the risk
- Effectiveness, how effective that mitigation would be rated from 1-5, (1 being hardly effective, 5 nullifying the risk almost entirely)

B)

ID	Risk Type	Description	Likelihood	Severity	Mitigation	Effectiveness
1	Product	Members being unfamiliar With Java	4	4	Pair people in 2s to ensure work isn't reliant on 1 person	3
2	Product	Members being unfamiliar With Java	4	4	Have consultations with members more familiar with Java	4
2.1	Product	Members being unfamiliar with specific java development frameworks	4	4	Team pairing, team consultations and research into required technologies prior to coding	4
3	Project	Members being unavailable during product creation	3	4	Have regular meetings to reassign work and pair people to ensure work isn't reliant on one	5
4	Product	Loss of code due to host website crashing/unavailability	1	5	Keep local copies of code whenever major changes are made.	5
5	Project	Communications tools becoming unavailable/crashing	2	4	Have several means to communicate to each other in case one goes down. Worst case work face-to-face	4
6	Project	Team member loses access to an internet connection	3	5	Have reassignment of work and have pairs assigned to projects, Access internet at alternative location if system allows.	4
7	Project	Team member illness causing inability to work	3	4	Have set timelines for work and reassess allocation if deadlines are not being met	4
8	Project	Members not attending the team meetings	4	3	Be flexible with work allocation to cover people who are not pulling weight. Chase up members and make sure everything is ok with them	4
9	Project	Members not doing the code they were assigned to do	3	4	Be flexible with work allocation to cover people who are not pulling weight	4

10	Project	Changes being made to the project that do not fit requirements	2	2	Version control and rollback options. Reminding members of required scope of project	5
11	Project	Part of project not up to required standard	2	4	Work in pairs, aiding if needed and requesting assistance if struggling. Review work to make sure it's appropriate	5
12	Project	Sprites are unfinished, potentially delaying development of core systems	3	2	Have placeholders available for all assets so development can continue	5
13	Project	In person meetings/tasks being prevented due to weather or local lockdowns	4	2	Every member of the team has access to video/voice call software for live meetings	5