#### Team 3 Risk Assessment Document

**Risk Identification For Checkers Program**

| Risk | Description |
| --- | --- |
| Late Delivery | The project isn't turned in by the due date |
| Cloud Software Equipment Failure | The online services we use, Google Docs and Github, fail |
| Presentation Can’t Be Completed | The presentation isn’t turned in by the due date. |
| Team Members Not Available | One or more team members is unavailable to for on project |
| Project Idea Changes | The team wants to make something that’s not checkers |
| Proper Graphics Aren’t Made | The final project doesn’t contain quality visual graphics. |
| Hardware Equipment Failure | One or many team members’ device fails |
| Coding Becomes Too Much For Allowed Time | Some of the functionality isn’t completed by the due date. |
| Local Software Equipment Failure | The software used to build the project fails with the currently edited files being lost. |
| Can’t Find Time To Meet | The team is unable to find a time to meet together. |
| Debugging Can’t Be Completed | Some of the errors can’t be solved by the due date. |

**Risk Analysis**

| Risk | Probability | Effect |
| --- | --- | --- |
| Late Delivery | Low: The due dates a clear and can’t be misconstrued | Catastrophic: This would likely result in a zero. |
| Cloud Software Equipment Failure | Low: Sites like Github and Google Drive will most likely be secure. | Catastrophic: We will lose all of our files online. |
| Presentation Can’t Be Completed | Low: We should be able to complete the project in time leaving plenty of time for the presentation. | Catastrophic: This would likely result in a 0. |
| Team Members Not Available | Low: Despite the initial struggles, everyone seems available | Serious: This would cause a hiccup in work, and potentially cause a role review. |
| Project Idea Changes | Low: We will most likely stay with Checkers. | Serious: We have to essentially re-do everything. |
| Proper Graphics Aren’t Made | Low: The project is Checkers, it’s not going to be that insane visually. | Tolerable: As long as it looks fine and is playable, we should be fine. |
| Hardware Equipment Failure | Moderate: Our personal devices could malfunction. | Catastrophic-Serious: It depends on the issue, but it has the potential to completely put a device out of commision for days or weeks. |
| Coding Becomes Too Much For Allowed Time | Moderate: There is a possibility that we underestimated how complex coding Checkers would be. | Serious: Depending on what we don’t get finished, this could hurt our grade. |
| Local Software Equipment Failure | Moderate: The files or applications we use might run into an error or stop working. | Tolerable: We’re uploading files for the project to the cloud, so everything can be redownloaded. |
| Can’t Find Time To Meet | Moderate: Technology issues or other plans may lead for the group being unable to meet outside of plans | Tolerable: We can meet on a different date. |
| Debugging Can’t Be Completed | Moderate: We have two developers and testers, so we have a lot of eyes double checking code. | Tolerable: As long as everything game breaking is solved we’re fine. |

**Risk Planning**

Schedule Risk: Team 3 will be having updates every Thursday on what everyone has done so far. We’re aiming to get this completed a week or two before it's due to provide ample breathing room for refining.

Technical Risk: Team 3’s Technical Risk has been mitigated. Our reliance on cloud services like Github and Google Docs are our only risks.

Resource Risk: Resources will be allocated based on the project's needs. Monitoring of resources will take place regularly and adjustments will be made to ensure that the project completes successfully.

Scope Risk: Team 3 has kept the scope small to ensure the project will be completed within the given timeframe. We have talked about possible improvements in case we complete the project too quickly, like adding sound effects, and soundtrack.

Financial Risk: All the software Team 3 is using is free so there’s no risk of needing to pay a subscription to keep access to cloud files.