# Risk Assessment

Here I have created a table to analyse risks and suggested ways of preventing them. The likelihood is the possibility it will occur where 1 is low and 10 is highly possible. Impact is how badly the project will be effected if the risk did occur where 1 is not effected much and 10 is effected massively. The overall risk can be either low, medium and high. It takes into account likelihood and impact:

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| Number | Description | Prevention | Likelihood (1-10) | Impact (1-10) | Overall Risk |
| 1 | The whole project or parts of the project gets deleted from your computer accidently. | Use GitHub to regularly backup all files so if any data is lost it can be cloned from the repository. | 3 | 9 | MEDIUM |
| 2 | You make a major mistake and need to go back to a previous stage of working to undo the mistake. | Use GitHub and regularly make commits so if you need to revert to a previous version you can do that. | 7 | 5 | HIGH |
| 3 | The requirements are not understood properly and so the wrong program is created | Read the requirements carefully and fully understand it before designing. Ask the client prior to starting to fully clarify. | 4 | 8 | HIGH |
| 4 | You have technical difficulties and the laptop you are using to develop the program stops working | Have a backup device that has all the appropriate application to develop the program installed. Use GitHub to make transitioning between devices quick. | 3 | 4 | LOW |
| 5 | GitHub servers go down so you don’t have access to your repository temporarily or permanently loose data. | Create a hard back up regularly on a non-cloud service in case servers go down. | 1 | 8 | LOW |
| 6 | Program does not follow laws regarding data protection resulting in company being sued. | Ensure understanding of all laws which concern the company. Get a lawyer to review program before releasing. | 2 | 8 | LOW |
| 7 | You get ill and as a result fall behind the deadline | Create a plan to ensure you are working at the right past and include extra contingency time in case an event occurs. | 5 | 6 | MEDIUM |