Risk Assessment

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| Description | Evaluation | Likelihood | Impact Level | Responsibility | Response | Control Measures |
| Computer hard drive fails | All data for the project will be lost | low | Very High | Developer | Recreate the lost data from a github repository | Push up to github every day and whenever a new feature is implemented to mitigate loss |
| Broken version of project created | Version of project might have breaking issues or may not meet requirements | High | High | Developer | Revert project to a more stable version | Push up to github on different branches for different features, when the feature is stable then push to dev branch |
| Not meeting the deadline | Project might not be fully functional when the deadline is due | Medium | Very high | Developer | If it looks like it won’t be ready before the deadline the developer will have to work overtime | Plan beforehand using Jira boards to manage the developers time |
| Project Performance shortfalls | The project might not be as fast as the end user would like | High | Medium | Developer | Ensure there is no clutter in the code slowing it down | Test at regular intervals making sure that there is no clutter |
| Requirements for the project change | The end user might require additional features | low | High | End User | Go back to the planning phase and assess what needs to be added and plan accordingly | Ensure that all the end user needs are specified before production starts |
| No internet connectivity | The developer doesn’t receive a working internet connection so that they cant push up to github or use cloud functionality | low | Medium | ISP | Back up the project to an external device or tether the computer to another device with inter connectivity | Ensure the developer has multiple was in which they can access the internet |
| Electricity cuts out | The developers electricity cuts out due to a power outage or electrical company | Low | High | Electricity company/ developer | Recreate lost data and ensure computer is fully working | Use a UPS to allow the developer time to save |
| Website hit with a cease and desist letter | The website may have copy written material | Low | Low | Developer | Find alternatives to the copy written material | Ensure no copy written materials are used and source all images |
| Developers computer malfunctions | All data for the project may be lost and any future work may be hindered | Low | High | Developer | Recreate the lost data and get a new workstation up and running | Ensure the current workstation is looked after and always push to github after a new feature has been implemented |
| Project dependencies become unavailable | Data for the project may depend on dependencies and fail | Low | High | Developer /dependency | Substitute with new dependency and fix any errors that may occur | Always ensure that the developer is using up to date dependencies |
| Project becomes overwritten | Data for the project may be lost | Low | High | Developer | The project will have to be rebuilt from last github upload | Ensure that the developer doesn’t overwrite code |