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| --- | --- | --- | --- | --- | --- | --- |
| Risk | Risk Statement | Response strategy | Objectives | Likelihood | Impact | Risk Level |
| Deletion of the project | Project can get deleted by accident or might lose access to the project due to malfunctioning machine, which will result is loss of all the progress made on the project. | Backup regularly using cloud storage, physical storage devices or GitHub repository. | Allows you to always have access to your work. | Medium | High | 4 |
| GitHub  Repo | Whilst pushing or pulling to/from the repository, wrong commands can end in deletion of the working source code or might make it useless. | Create a development branch where changes are pushed to and only merge to the master branch once the source code on the development branch is fully tested and is functional. | Reduces the likelihood of losing a working piece of code. | Medium | High | 7 |
| Incorrect database design | Incorrect use of table links (foreign keys) or attributes can cause the Java application to encounter errors or may limit it so it is not capable of implementing the required functionality. Could result in redesigning the entire database and editing Data Access Object’s methods. | After the creation of the tables, use SQL statements that would be used by the java app to ensure that the database tables can perform the functionality required by the application. | Reduces the risk of re-designing the database. | Low | Medium | 6 |
| Poor planning or management | Using poor planning or project management strategies or tools could result in project failure by not meeting all the requirements in the given time. | Use Scrum (JIRA) to manage the entire project. | Provides means for a better project management | Medium | High | 6 |
| Incorrect interpretation of the project specification. | Interpreting the project spec incorrectly can result in the development of a completely different project to what was required. Could cause project failure | Carefully read the specification and double check with the client if there is some confusion. | Reduces the likelihood of producing the wrong project. | Low | High | 5 |
| Trainer unavailable | It might be busy assisting others or unable to do so because of illness. | Switch your attention to something else. While I wait, I may look for QA community resources, stack overflow, and other sites that may be of use. | To make certain that I have something to do while I wait for assistance or that I can find the solution on my own. | Likely | Minor | 3 |
| Internet issue | This would mean an inability to contact my trainer and push updates to GitHub. | We must make sure that we have strong internet connection can also use hotspot if there will any internet issue. | To ensure that I can connect to the internet so I can push to the GitHub and can contact my trainer if I need it. | Very unlikely | Minor | 4 |

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|  |  | Impact | | |
|  |  | Low | Medium | High |
| Likelihood | Low | 1 | 4 | 7 |
| Medium | 2 | 5 | 8 |
| High | 3 | 6 | 9 |