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| --- | --- | --- | --- | --- | --- | --- |
| Description | Evaluation | Likelihood | Impact  Level | Responsibility | Response | Control Measure |
| Failed database connection | Unable to perform CRUD | Low | High | Developer | Attempt to reconnect to database | Regularly maintain database and review connection |
| Deployment of broken version on main branch | Program will not function correctly | Medium | High | Developer | Revert to a more stable version | Ensure versions are tested and deployed to development branch first |
| Insufficient QA time to ensure all | Certain methods may not function as intended | Medium | High | Developer | Allocate more time for QA | Perform testing throughout development |
| Inadequate program design | Program does not run well | Low | Medium | Developer | Construct ERD and UML diagrams to help visualise program structure. | Consistently refer to diagrams to ensure efficient design |

Risk Assessment

ERD

Diagram

Description automatically generated