

Project Risk Assessment

| Description | Evaluation | Likelihood | Impact Level | Responsibility | Response | Control Measures |
|---|--|--------------|--------------|----------------|--|--|
| Dependencies not correctly used | Deployed product may break or not work correctly | Medium | High | Developer | Fix problems immediately | Do multiple tests to ensure everything works as expected. |
| Constructors not set up correctly | The app will not function as expected | Medium/ Low | High | Developer | Revise code and fix immediately | Do tests to ensure that the output is as expected. |
| Methods do not work correctly | The app will not function as expected | Medium/ High | High | Developer | Revise code and fix immediately to ensure correct output | If the methods do not work correctly this app is pointless. Do tests to ensure everything is as expected. |
| Code breaking and not working due to typing error/ syntax error etc | The app not functioning at all | High | High | Developer | Read error messages and check code for errors | Look back at previous examples as reference to see where I could be going wrong with my current code if I am stuck. |
| Running out of time and not completing part of the project | Submitting an incomplete project | Medium | High | Developer | Evaluate progress every day and see where the project stands | Ensure that set goals are achievable and realistic. Don't focus on unnecessary details and ensure submitted project has at least CRUD functionality and basic design of a language revision application. |
| Writing items down in the backlog without being specific/ its true intention being lost | Not completing an item to the initial intended level of completion | Low | High | Developer | Fix issues immediately before moving on. | Do tests after each completed stage to ensure correct functionality. Ensure documentation is up-to-date and clearly written/understood. |
| Database connection lost | App will not function as intended | Low | High | | | Ensure that the database connection is constant and works as intended |
| Updates made to the database overwrite other entries | Loss of data and app will not function as intended | Medium | High | Developer | Fix issues immediately | Write code correctly and ensure that HTTP requests are written correctly. Do tests to ensure that the likelihood of this |

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| | | | | | | happening is low- it may result in users losing revision data and that is not good as they will not continue using the app |
| User mis-inputting data into the app | May cause retrieval issues? | Low | Low | Developer | Ensure that the constructors are set up so that the possibility of this is low | Allow the user to edit word data so that if they do make mistakes/ input incorrect data then it can be changed through another request. Does (should) not affect the function of the app. |
| Project Unit Tests not working as intended | They may test for unexpected things, passing tests that should otherwise fail | Medium | High | Developer | Make sure that I understand what each test SHOULD do, so when I get an unexpected result, I investigate it thoroughly. | Write tests that test each individual function. Make sure the tests are concise and that I know what they do. Use H2 to test on a test database so I don't affect any data already in other tables. |
| Spill tea/drinks on laptop | Hardware malfunction - unable to continue working on project/loss of data | Low | High | Developer | Resolve issue immediately. Contact instructors to notify them about the issue. | Keep drinks away from laptop at all times. Update GitHub regularly so that in the event of loss of laptop, previous versions of the project are available online. |
| Personal injury | Hospitalisation/ unable to work on project | Low | High | Developer | Contact instructors as soon as possible. | Try not to injure myself. Stay home and stay healthy. |
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