**Risk Management**

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| **Risk** | **Impact** | **Likelihood of Occurrence (L,M,H)** | **Degree of Impact (L,M,H)** | **Action on Trigger** | **Responsibility** | **Response Plan** |
| Unable to acquire affordable hosting. | The web application (API) will be unable to send and receive data between the mobile app and the database, because the app will not be able to access the API because it isn’t hosted anywhere. | L | H | The failure to find an affordable hosting provider would prevent the application from being tested and deployed | Wade, Sachin | Review various hosting platforms in order to find the best deal for the client |
| The cloud hosting provider has downtime | The mobile application as well as the web application will not function until the hosting provider is operational again, because the API needs constant connection to the app for the app to function and process commands located within the API, which is hosted with the hosting provider. | M | H | The applications functionality would be limited to its offline features as it would not be able to receive the latest updates from the hosting provider | Wade, Sachin | Select a hosting provider with appropriate contingencies and back up methods to prevent against any potential downtime |
| Customer dissatisfaction | The developed application will not be put into production, because it will not meet their requirements and specifications. | L | M | The application will not be selected by the client. | Jarrod | We must ensure that the clients needs and requirements for the application are met before the final product is presented to the client. |
| Security | User credentials or data are compromised by unauthorised parties, which will lead to user’s info being leaked and their profiles on the app can be hacked and tampered with. | M | H | An unsecure application would allow users private data to be compromised which would then discourage users from using the application | Jarrod, Wade | Secure all aspects of the application so that the user’s data will remain free from malicious attacks. |
| Scope Creep (The client adds additional requirements for the application as the existing solution is being developed.) | The application will not be completed within time and the new features will not be implemented within the app, because there is no time or funds available. | L | H | The new requirements for the application cannot be implemented in time before the scheduled release of the application | Jarrod, Theasan | Determine the set of requirements at the start of the project and only add to them if it is feasible and there is time to implement the new features |
| Transitioning/ Implementation of new system | The new system will not be as effective as the existing system or may lack certain key features that users will expect or require. | L | M | The components of the new system may not be as easy to understand as some of the features of the previous system | Joseph, Theasan | The new system will need to be tested thoroughly in order to prevent bugs and allow for a smooth implementation and transitioning by the end of the project. |