Technological Requirements

## Document Revision History

|  |  |
| --- | --- |
| Revision | Date |
| 0.1 | 23/11/2019 |
| 0.2 | 24/11/2019 |

|  |  |  |
| --- | --- | --- |
| Technology Chosen | Implementation Difficulty | Reasons For Selected Technology |
| Mobile Environment | Low | 1. The How To Train Your Dragon Boat application will be used in an outdoor environment, where larger forms of technology such as computers as not optimal. A mobile application will be the ideal form of implementation, as it requires no setup in order for it to be used in these environments. 2. The application, while providing a variety of features, is not designed to be a large scale application, and does not require large interfaces or storage methods, making a mobile application a valid fit for this type of software. Additionally, the application does not require internet access for general usage, as opposed to software such as a web application. 3. The mobile application market is a largely growing network, along with the trends of have smartphones capable of more and more features. As a result, developing this software as a mobile application is more appealing and convenient to the marketplace. |
| React Native | Medium | 1. Offers cross-platform compatibility with Android and iOS devices allowing us to reach all of our target audience 2. React Native renders to platforms native code allowing use of platforms API such as google maps |
| SQLite Database | Low | 1. Runs natively on mobile platform 2. Team is familiar with SQL language |
| Google Maps API | Medium | 1. Industry standard 2. Familiar interface and design for end user |